



INTERNATIONAL CONGRESS 2018

PARIS France, 15-19 September

CONGRESS GUIDE

WELCOME FROM THE ERS PRESIDENT MINA GAGA



Professor Mina Gaga
ERS PRESIDENT

“The 28th ERS International Congress is taking place in Paris this year and I am looking forward to enjoying the experience; the Congress is the biggest in respiratory medicine, it is a forum to get updated with the latest studies in the field, to meet peers and key opinion leaders, to enjoy the many educational sessions and to be part of this exciting and productive atmosphere, in a great congress centre and an historic and alluring city.

“This event is the result of many months of hard work. The ERS Science and Education Councils have worked tirelessly alongside ERS Officers to develop a programme of sessions and activities which not only represent the latest in respiratory medicine and science but also cater to the varied needs of our growing membership and wider community. This year’s programme, as in the past, has something for clinicians, scientists and allied health professionals: live and hands-on sessions, grand rounds, meet-the-expert seminars, new scientific evidence and, very importantly, the opportunity to meet with colleagues and to network.

“Networking is always a very big pull for our Congress; with over 22,000 delegates regularly in attendance, it is rightly seen as the place to be and to meet up with colleagues and peers from all over the world. It can be the catalyst for new collaborations and forming networks and this helps the advancement of knowledge and science and also helps our members’ careers. Having the opportunity and the proper space to share ideas and knowledge and discuss issues and experiences plays a significant role in fulfilling our own personal goals of becoming better and feeling part of a productive and energetic community, it also helps reach the ultimate goal of better respiratory health across Europe and worldwide.

“I am looking forward to being in Paris – to welcome you all to what I know will be the respiratory event of the year, and to participate, absorb the knowledge being shared over the five-day period and enjoy the atmosphere. As the current ERS President, I am so very proud to be celebrating my presidency with this prestigious event! I would like to thank our officers and our members and importantly, all the ERS staff and departments who play a key role in bringing this big and complex event to life and who continue to do an excellent job year by year.”

WELCOME FROM THE CONGRESS CHAIRS



Prof. Anh-Tuan Dinh-Xuan
CONGRESS CHAIR

Welcome to Paris 2018!

We are delighted to welcome friends and colleagues to our home city of Paris for the ERS International Congress 2018.

Paris is a fitting choice for the largest respiratory meeting in the world as it is an important scientific centre in Europe; think René Descartes, Pierre and Marie Curie, the Sorbonne University, the freedom of thinking (les Lumières) and revolutionary ideas.

Paris is certainly one of the most interesting cities in Europe and worldwide. People from all over the world travel to Paris to discover and experience the French way of life. Only a few cities on earth capture the imaginations and hearts like Paris.

Paris is the city of love, inspiration, art and fashion. It is a wonderful combination of historic, modern, romantic, intellectual, grandiose and elegantly understated. The nightlife and warm atmosphere are welcoming and will make you feel at home.

The French capital has fascinating architecture in abundance, not least the iconic Eiffel Tower. It has a huge number of museums which house some of the world's most important artworks. Artistic vibrancy resonates throughout the city. It would take a lifetime to fully experience the Louvre, home to the world's most diverse and extensive collection of pre-20th century art, not to mention the many other Museums nearby, such as the Orsay, Rodin, and the Musée du quai Branly.

Paris is the largest city in France and is located in the northwest region. It sits on the banks of the Seine River and has a population of approximately 2,315,000.



Prof. Nicolas Roche
CONGRESS CO-CHAIR

Covering key topics in respiratory medicine from across the spectrum of disease areas including TB, lung cancer, chronic and acute respiratory failure, sleep breathing disorders, interstitial lung diseases, pneumonia, cystic fibrosis, COPD and asthma, amongst others, the Congress programme is set to deliver the best advances in both science and education.

This Congress will specifically highlight the importance of environment in respiratory health and focus on the need to personalise medicine in the respiratory arena. Special attention will also be paid to our interactions with microorganisms in our environment as well as those that live in peace within our organism.

We look forward to welcoming you to the ERS International Congress where we will continue our mission to promote lung health and drive standards in respiratory medicine, in close partnership with national societies, patient organisations, and various institutions all over Europe and beyond.

■ PRACTICAL INFORMATION A-Z

Catering

No official lunches will be provided for Congress participants but there will be a number of lunch facilities around the Congress centre, including cafeterias, restaurants, bars and several coffee/snack points.

The official catering partner is not confirmed yet.

Childcare

Please note that no childcare service will be provided in Paris.

Congress partners

Venue

Paris Expo Porte de Versailles
1 Place de la Porte de Versailles, 75015 Paris

Accommodation

B Network
Rue Royale 20
75008 Paris
France
Tel: +33 158 162 011
e-mail: ers2018@b-network.com
Findouthowtomakeindividualandgroupaccommodation bookings

Insurance and disclaimer

The European Respiratory Society (ERS), Paris Expo Porte de Versailles, Interplan, the registration partner and all other Congress partners accept no liability for injuries and/or losses of whatever nature incurred by participants and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings. Please check the validity of your own insurance.

Registration

Congrex Switzerland Ltd
Peter Merian-Strasse 80
CH-4002 Basel
Tel: +41 61 686 77 77, Fax: +41 61 686 77 88
e-mail: ers2018.registration@congrex.com

Transportation cards

The transportation card will not be offered for the ERS International Congress 2018. However, it can be purchased in advance when registering for the Congress or on-site at the dedicated desks.

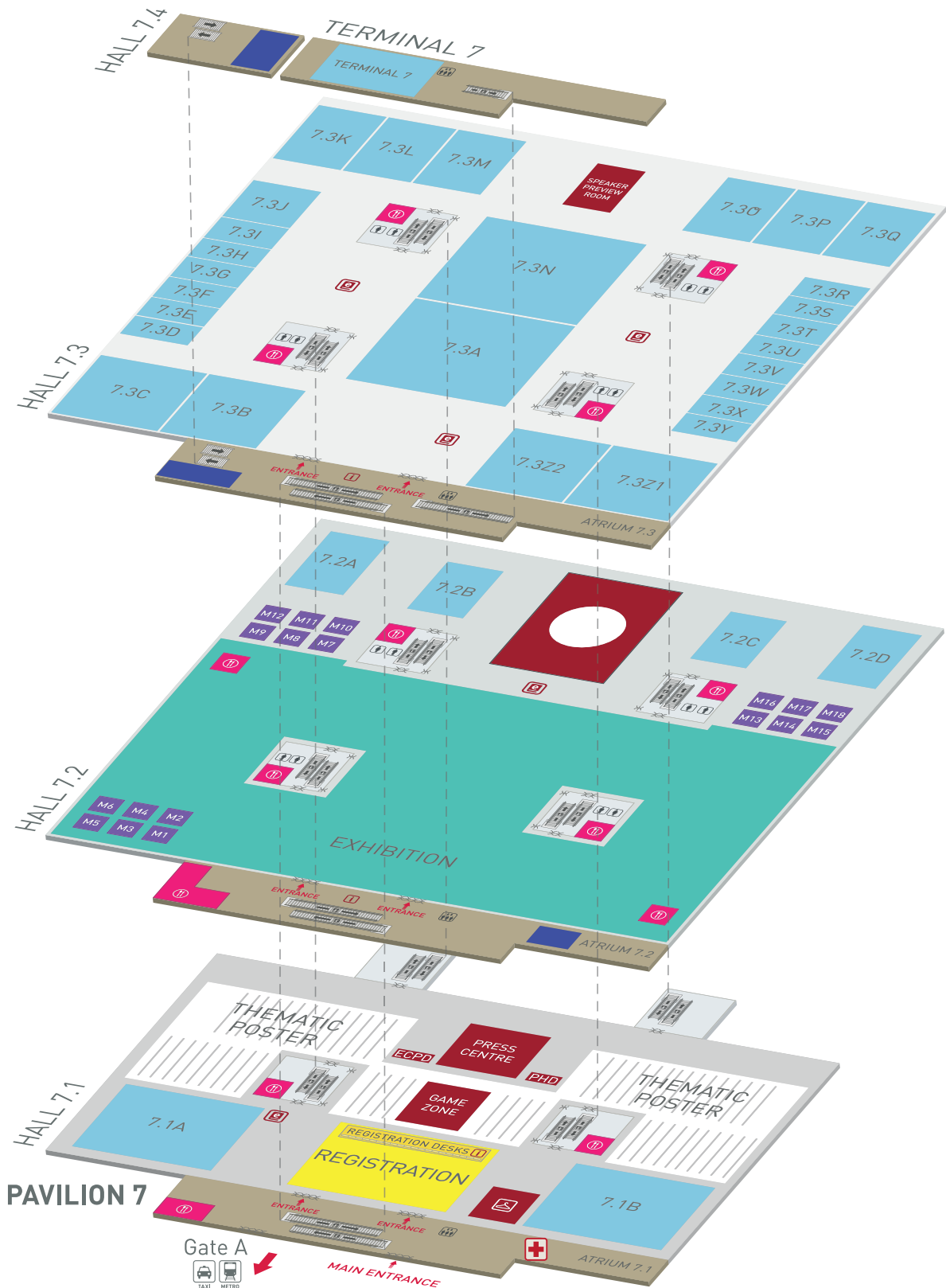
Further information and prices will be available when registration opens in April 2018.

Dates and opening hours

Date	Congress Centre	Registration	Speakers' preview Room	ERS Sessions	Evening Symposia	Exhibition
Saturday, 15 September	07:00-21:00	07:00-18:15	07:30-17:30	09:30-17:30*		
Sunday, 16 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Monday, 17 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Tuesday, 18 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Wednesday, 19 September	06:30-13:30*	06:30-14:00	08:00-11:00	08:30-12:45		09:00-12:00

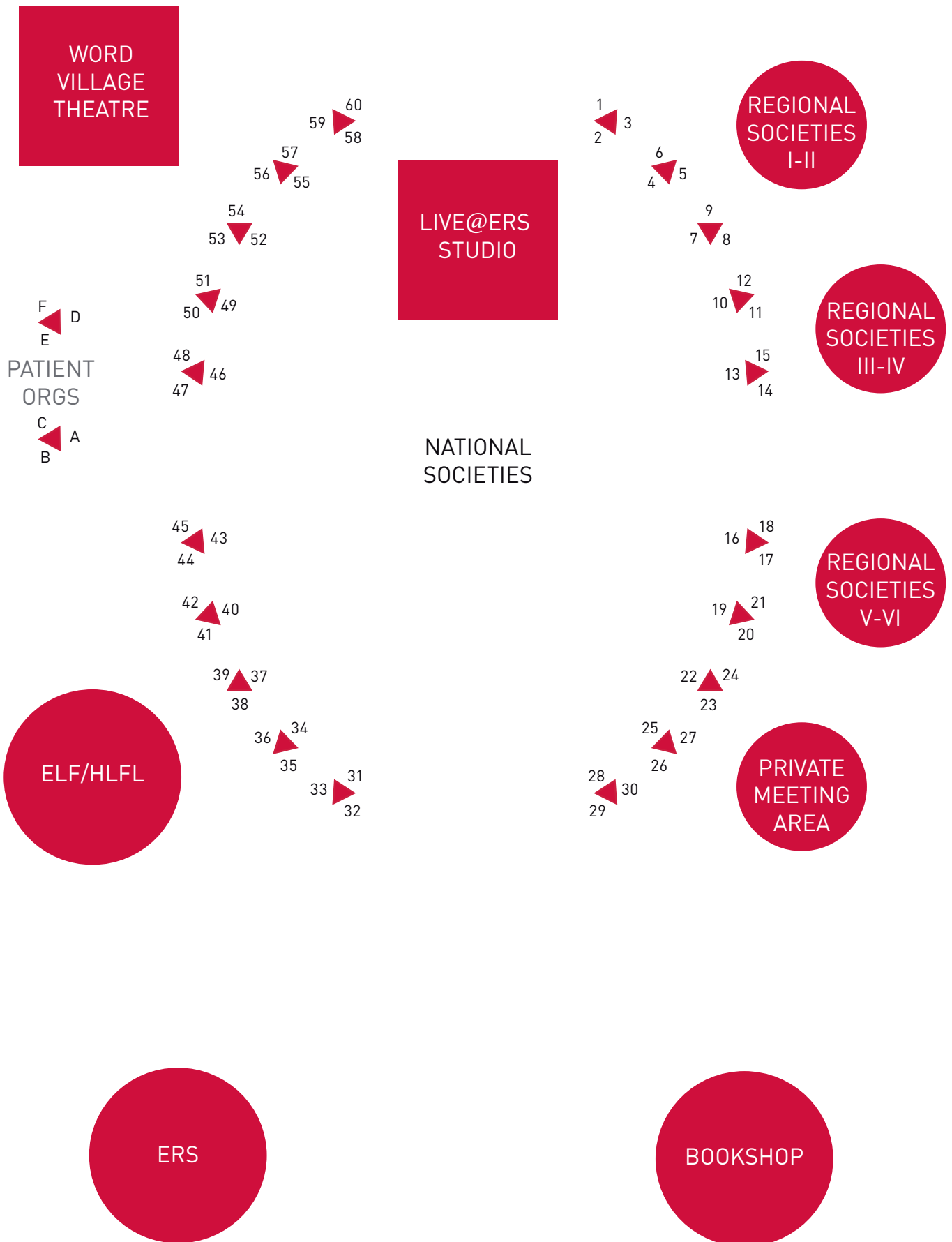
*All times are subject to change

CONGRESS MAP



- | | | | |
|------------------------|-----------------------------------|----------------------------------|----------------------|
| Registration | World Village | Congress Resources Area | ERS Check Point Desk |
| Exhibition | ERS Stand LIVE@ERS | APP (incl. abstracts, e-posters) | Cloakroom |
| Session Rooms | ERS Central World Village Theatre | Charging points | First aid |
| Industry Meeting Rooms | ERS Bookshop | Information Desk | Catering outlets |
| ERS HQ | ELF Stand | Speaker Preview Room | Elevator |
| Congress Activities | HLFL Stand | Poster Help Desk | Escalator |

WORLD VILLAGE MAP



ERS WORLD VILLAGE SOCIETIES LIST

National / Affiliated Societies

Desk Nb	Society	Country/Region
1	EKS	Estonia
2	TTS	Turkey
3	LSPA	Lithuania
4	LSLP	Latvia
5	MRS	Macedonia
6	BRS	Bulgaria
7	HPRS	Greece
9	HTS	Greece
9	TRS	Turkey
10	ISP	Israel
11	ESCDT	Egypt
12	EPPS	Egypt
13	KTS	Kyrgyzstan
14	NRITLD	Iran
15	ICS	India
16	STMRA	Tunisia
17	SATS	South Africa
18	SLP	Lebanon
19	SLCP	Sri Lanka
20	PCCP	Philippines
21	TSPCCM	Taiwan
22	KATRD	South Korea
23	CACP	China
24	CTS	China
25	JRS	Japan
26	SERCHILE	Chile
27	TSANZ	Australia/ New Zealand
28	SBPT	Brazil
29	AAMR	Argentina
30	ASSOBRAFIR	Brazil
31	SPeN	Peru
32	CTS	Canada
37	SPLF	France and Francophone countries
38	SGP	Switzerland
39	ANTADIR	France
40	ÖGP/ASP	Austria
41	DGP	Germany
42	DZL	Germany
44	BTS	UK
45	ITS	Ireland
45	ARTP	UK
46	BVP-SBP	Belgium
46	SLMF	Sweden
48	AIPO	Italy
49	SIP	Italy
50	SIMRI	Italy
51	SPP	Portugal
52	SEPAR	Spain
53	CPFS	Czech Republic
54	PTChP	Poland
55	MTT	Hungary
56	RSS	Serbia
57	CRS-CMA	Croatia
58	SRS	Serbia
59	SRP	Romania
60	RRS	Russia

Regional Societies

Stand number	Society	Country/Region
I	The Union	Worldwide
II	PATS	Africa
III	APSR	Asia
IV	CHEST	USA
V	ATS	USA
VI	ALAT	South America

International Societies

Desk Nb	Society	Country/Region
33	ISAM	Worldwide

European Societies

Desk Nb	Society	Country/Region
34	EAACI	Europe
35	ESSD	Europe

European projects / Diseases Groups

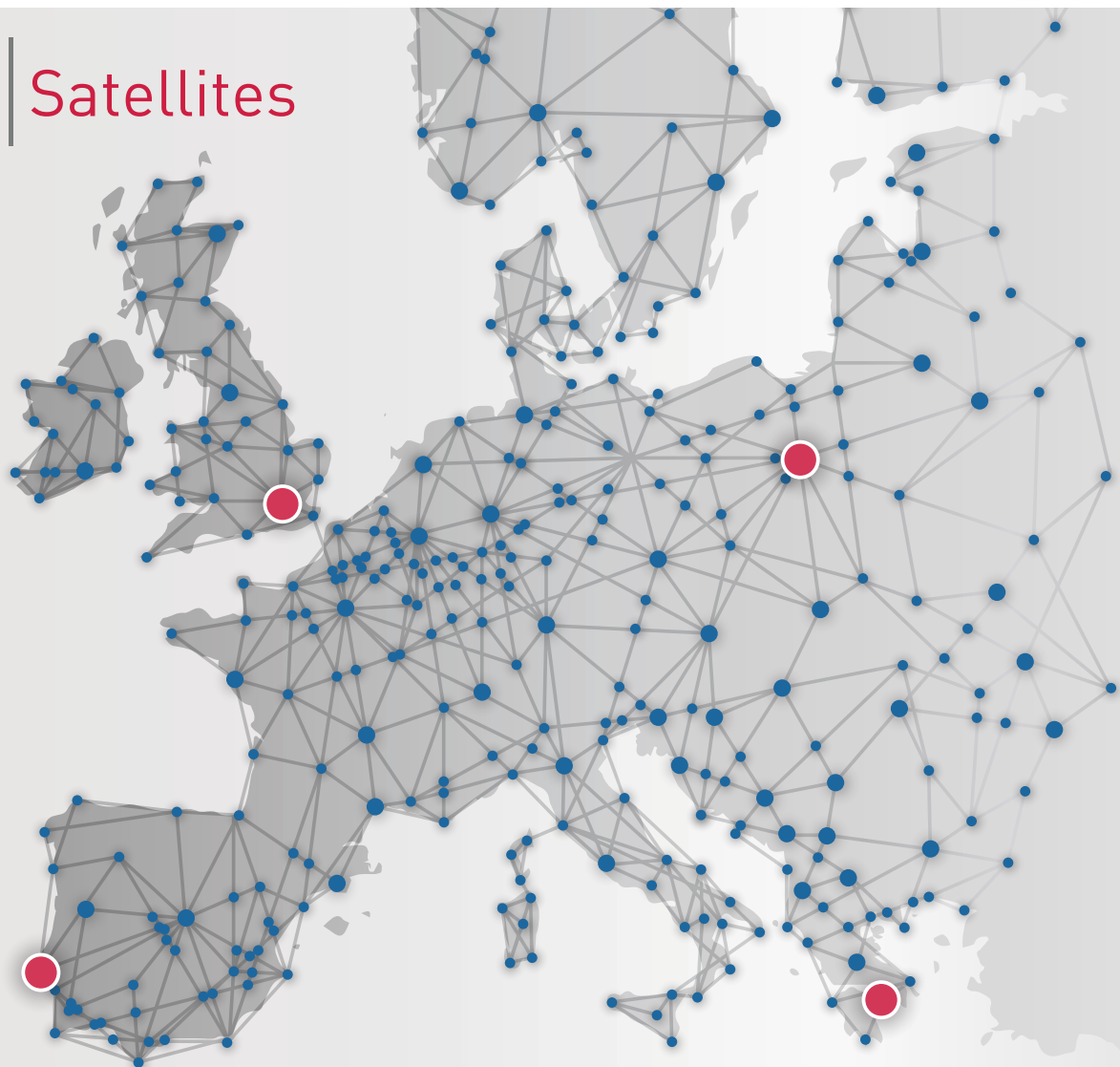
Desk Nb	Society	Country/Region
36	ENSP	Europe

Patient organisations

Desk Ref.	Society	Country/Region
A	Österreichische Lungenunion	Austria
B	Fédération française des associations et amicales de malades insuffisants ou handicapés respiratoires	France
C	European Federation of Allergy and Airways Diseases Patient Associations	Europe
D	FreshAir	Europe
E	Lovexair Foundation	Spain
F	Associação de Transplantados Pulmonares de Portugal	Portugal
ELF Stand	ApneuVereniging Vlaanderen	Belgium
ELF Stand	Asociación Nacional de Enfermos de Sarcoidosis	Spain
ELF Stand	Association For The Fight Against Lung Cancer in Poland	Poland
ELF Stand	Association Pierre Enjalran Fibrose Pulmonaire Idiopathique	France
ELF Stand	Associazione Apnoici Italiani onlus	Italy

ELF Stand	Associazione Respirando	Italy
ELF Stand	Associazione Respiriamo Insieme Onlus	Italy
ELF Stand	Asthma Society of Ireland	Ireland
ELF Stand	Asthma UK	UK
ELF Stand	Astma och Allergi Förbundet	Sweden
ELF Stand	British Lung Foundation	UK
ELF Stand	CF" Sister DALILA" - Lviv City Charitable Foundation of "Sister Dalila"	Ukraine
ELF Stand	COPDvzw	Belgium
ELF Stand	Cystic Fibrosis Europe	Europe
ELF Stand	Czech Civic Association against Lung Diseases	Czech Republic
ELF Stand	Deutsche Sarkoidose-Vereinigung e.V.	Germany
ELF Stand	European Idiopathic Pulmonary Fibrosis and Related Disorders Federation	Europe
ELF Stand	European Pulmonary Hypertension Association	Europe
ELF Stand	Federasma e Allergie ONLUS	Italy
ELF Stand	Global Allergy Asthma Patient Platform	Worldwide
ELF Stand	June Hancock Mesothelioma Research Fund	UK

ELF Stand	Longfonds	Netherlands
ELF Stand	Lung Cancer Europe	Europe
ELF Stand	Morbus Osler Selbsthilfe e.V.	Germany
ELF Stand	Pembe Hanım	Turkey
ELF Stand	Pulmonary Hypertension - Ukrainian Rare Disease Association (PHURDA)	Ukraine
ELF Stand	Pulmonary Hypertension Belgium	Belgium
ELF Stand	Respira – Portuguese association of people with COPD and other chronic respiratory diseases	Portugal
ELF Stand	Romanian TB Patients Organisation	Romania
ELF Stand	Sarcoidose.nl	Netherlands
ELF Stand	SarcoidosisUK	UK
ELF Stand	Sleep Disorder Support Foundation/Irish Sleep Apnoea Trust	Ireland
ELF Stand	Un Respiro di Speranza	Italy
ELF Stand	Unione Trapiantati Polmone Padova	Italy



The second ERS Satellite will take place on 21 February, 2019

*Join us in LONDON, ATHENS, LISBON OR WARSAW
or as one of thousands of delegates participating ONLINE
from over 100 countries around the world.*

There is no registration fee for participation in this cutting-edge, interactive event, which will share the very latest scientific findings and clinical updates in the field.

Morning session

Advances in personalised treatment for COPD patients

Chaired by Professor W.Wedzicha

Afternoon session

Advances in personalised treatment for ILD patients

Chaired by Professor V.Cottin

Using state-of-the-art live streaming technology, four venues will contribute to the programme.
To access the programme or to register, visit: www.ersnet.org/satellites

IF YOU CAN'T ATTEND THE ERS CONGRESS IN PARIS THIS YEAR,
JOIN US FOR A ONE DAY EVENT SUMMARIZING THE LATEST
CLINICAL ADVANCES IN RESPIRATORY MEDICINE.

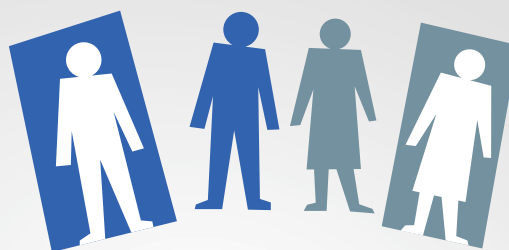


Respiratory Updates

Stay at **the cutting edge**

register for free to join us in LONDON on 2nd November 2018
or *register for free* to join us ONLINE.

8 speakers
covering:
COPD, Asthma, PH,
IPF and Lung Cancer



To get the full programme
and more details go to
ersnet.org/resp-update

Chaired by:
Professor Jorgen Vestbo and Professor John Park



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British Thoracic Society

Better lung health for all

Introducing the new ERS app

ERS Connect

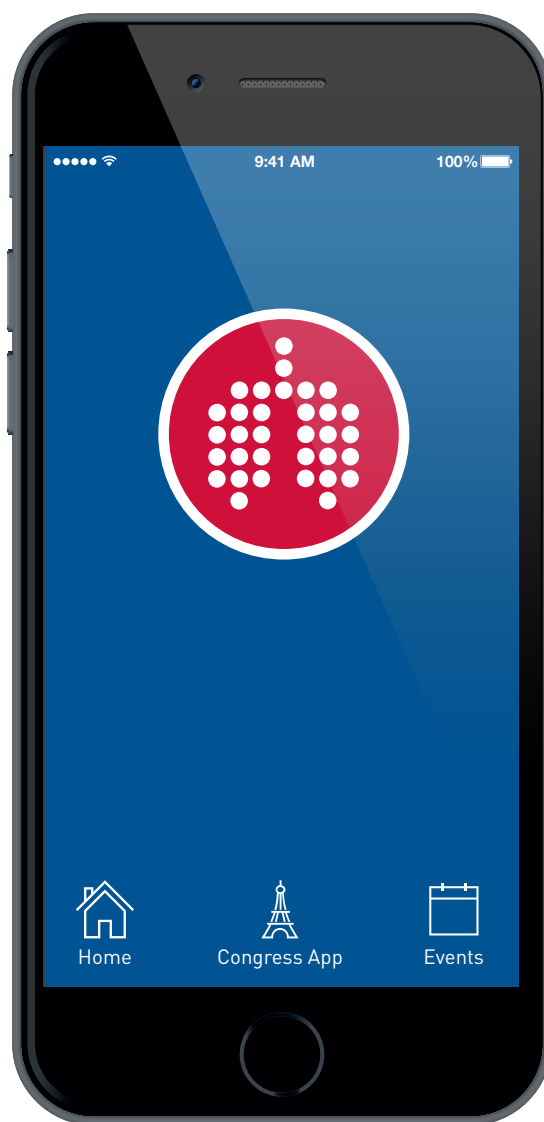
*The PERFECT YEAR-ROUND APP for RESPIRATORY PROFESSIONALS
and the essential CONGRESS COMPANION.*

ESSENTIAL CONGRESS RESOURCES:

- Full congress programme
- Abstracts, e-posters and webcasts of all presentations
- Congress centre map
- List of industry sessions and exhibition map
- Create your own agenda
- Find popular sessions
- Connect to other participants
- Automatic update for use at future congresses

ALL THE LATEST FROM ERS:

- The latest respiratory news and highlights
- Information on ERS activities
- Access to clinical guidelines
- Cutting-edge medical education resources
- Scientific materials
- Funding opportunities
- Plus much more!



INTERNATIONAL CONGRESS 2018

PARIS France, 15-19 September

ERS CONNECT IS THE OFFICIAL EUROPEAN RESPIRATORY SOCIETY APP AND ERS INTERNATIONAL CONGRESS COMPANION.

It provides an opportunity to stay up-to-date with ERS on a week by week basis, and is a must-have resource for navigating the ERS International Congress.

AVAILABLE **FOR FREE** FROM:



KEEP THE APP AFTER CONGRESS AND USE IT ALL YEAR TO STAY UP TO DATE WITH ALL THE LATEST FROM ERS. IT WILL AUTOMATICALLY UPDATE FOR USE AT THE NEXT CONGRESS.



COMMITTED TO LUNG HEALTH BY SUPPORTING THE CONGRESS APP

NOVARTIS

CONGRESS RESOURCES AREA

The Congress at your fingertips



ABSTRACTS



MISSED SESSIONS



E-POSTERS



CHARGING POINT



The ERS Congress Final Programme app is available as a free download for iPhone, iPad and iPod Touch (iOS 7.0 and higher) and Android phones and tablets (4.0 and higher).

ERSCONGRESS.ORG / **MOBILE**

ACCESS THE PROGRAMME
IN THE CONGRESS RESOURCES AREAS



COMMITTED TO LUNG HEALTH BY SUPPORTING ERS 2018

CSL Behring
Biotherapies for Life™



ERS-CTS Joint Session

Saturday 15 September, 2018 at the ERS International
Congress Paris, France, Hall 7.3 C, 08:30–13:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN CHINESE

Note that the presentations will be conducted in Chinese and English with dual projection of slides in both languages.

08:30–11:00

Chinese Programme Part I

Chairs: T. Troosters (Belgium), Chen Wang (China), A. Bush (United Kingdom)

- 08:30 Update on management of new emerging acute respiratory viral infectious diseases
N. Zhong (China)
- 09:00 The role of chronic infection in respiratory diseases
E. Polverino (Spain)
- 09:30 Establishment of PCCM training system in China
C. Wang (China)
- 10:00 School interventions to improve asthma control
J. Grigg (United Kingdom)
- 10:30 *Break*

11:00–13:00

Chinese Programme Part II

Chairs: G. Joos (Belgium), R. Chen (China)

- 11:00 The Chinese New Guideline on HAP/VAP
J. Qu (China)
- 11:30 HAP/VAP : new guidelines, new approaches
F. Blasi (Italy)
- 12:00 Recent advance in home noninvasive mechanical ventilation in China
R. Chen (China)
- 12:30 Is there still a role for NIV in acute hypoxemic failure?
L. Heunks (Netherlands)



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ERS-SPLF Joint Session

Saturday 15 September, 2018 at the ERS International
Congress Paris, France, Hall 7.1 B, 14:00–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN FRENCH

Note that the presentations will be conducted in French with dual projection of slides in French and English.

14:00–15:45

French Programme Part I

Chairs: N. Roche (France), G. Brusselle (Belgium)

- 14:00 Follow-up of resected bronchial carcinoma
V. Westeel (France)
- 14:26 Yield of cohorts in the bronchial diseases
C. Raheison-Semjen (France)
- 14:52 Asthma phenotypes in children: what is the impact at
adult age?
J. Just (France)
- 15:18 Big data applied to sleep
J. Pépin (France)

15:45–17:30

French Programme Part II

Chairs: A. Dinh-Xuan (France), M. Gaga (Greece)

- 15:45 Atmospheric air pollution: results from interventional
studies
I. Annesi Maesano (France)
- 16:11 Thrombo-embolic pulmonary hypertension: which
treatment should we choose?
X. Jais (France)
- 16:37 Smoking cessation and COPD
M. Waked (Lebanon)
- 17:03 Anti-tuberculosis drugs : what is new?
G. Migliori (Italy)



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SOCIETY

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ERS-RRS-ARSRM Joint Session

Saturday 15 September, 2018 at the ERS International Congress Paris, France, Hall 7.1 B, 09:00–13:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN RUSSIAN

Note that the presentations will be conducted in Russian and English with dual projection of slides in both languages.

09:00–11:00

Russian Speaking Programme 2018: Part I

Chairs: E. Amelina (Russian Federation), I. Sermet-Gaudelus (France)

- 09:00 An assay of CF transmembrane conductance regulator function that uses primary CF intestinal organoids: shared experiences with the Russian CF centre
J. Beekman (Netherlands)
- 09:25 Collaboration between the Russian National CF Patient Registry and the European CF Society Patient Registry
E. Amelina (Russian Federation)
- 09:50 Specific features of spectrum and frequency of CFTR mutations in ethnically different populations of the Russian Federation
N. Kashirskaya (Russian Federation)
- 10:15 CF: pathogenesis treatment strategies
I. Sermet-Gaudelus (France)
- 10:40 Break

11:00–13:00

Russian Speaking Programme 2018: Part II

Chairs: E. Davidovskaya (Belarus), A. Belevskiy (Russian Federation)

- 11:00 Modern concept of sporadic LAM pathogenesis
S. Harari (Italy)
- 11:30 Clinical experience of LAM patients who were managed in the Russian Federation
A. Chuchalin (Russian Federation)
- 12:00 Russian experiences in lung transplantation in CF and LAM patients
N. Karchevskaya (Russian Federation)
- 12:30 Non-invasive diagnosis of lymphangioliomyomatosis: new biomarkers
L. Young (United States of America)



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ERS-ALAT-SBPT-SEPAR-SPP Joint Spanish / Portuguese Session

Saturday 15 September, 2018 at the ERS International
Congress Paris, France, Hall 7.3 C, 14:00–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN SPANISH AND PORTUGUESE

Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.

14:00–16:00

Spanish and Portuguese Programme Part I

Chairs: C. Jimenez Ruiz (Spain), G. Zabert (Argentina)

- 14:00 Tuberculosis in a migrating world
L. Rendon Perez (Mexico)
- 14:30 Drug-resistant tuberculosis in Europe
J. Caminero Luna (Spain)
- 15:00 Panel discussion
- 15:30 Break

16:00–17:30

Spanish and Portuguese Programme Part II

Chairs: V. Coelho Pinto Hespagnol (Portugal), F. Cavalcanti Lundgren (Brazil)

- 16:00 Mechanical ventilation in patients with neuromuscular diseases
M. Alcântara Holanda (Brazil)
- 16:30 The non-invasive ventilation network in Portugal
M. Araújo Cunha Guimarães (Portugal)
- 17:00 Panel discussion



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SEPAR Sociedad Española
de Neumología
y Cirugía Torácica
SEPAR





PROGRAMME
AT A GLANCE

SATURDAY 15 SEPTEMBER 2018

ROOM	TIME	SESSION	TAG	PRICE
7.3C	08:30	11:00 Language session Chinese Programme 2018: Part I	Clinical	
7.1B	09:00	11:00 Language session Russian Speaking Programme 2018: Part I	Clinical	
Terminal 7	09:30	11:30 Session Primary Care Programme 2018: Part I	Clinical	
7.3U	09:00	17:30 Professional development PDW1 Spirometry training programme: become a programme organiser	Clinical	€ 122
7.3Z2	09:30	17:30 Postgraduate course PG1 Asthma and chronic obstructive pulmonary disease	Clinical	€ 268
7.3Z1	09:30	17:30 Postgraduate course PG2 Thoracic ultrasound	Clinical	€ 268
7.3R	09:30	17:30 Postgraduate course PG3 How to plan for and manage a respiratory epidemic/pandemic	Clinical, Translational	€ 98
7.3K	09:30	13:00 Postgraduate course PG4 Imaging of the chest	Clinical	€ 171
7.3B	09:30	13:00 Postgraduate course PG5 Noninvasive ventilation - pitfalls and challenges	Clinical	€ 171
7.3O	09:30	13:00 Postgraduate course PG6 Bronchoscopy in pulmonary emergencies	Clinical	€ 171
7.3Q	09:30	13:00 Postgraduate course PG7 Sleep-disordered breathing - diagnosis and therapy	Clinical	€ 171
7.3M	09:30	13:00 Postgraduate course PG8 Lung function testing	Clinical	€ 171
7.3L	09:30	13:00 Postgraduate course PG9 Chronic obstructive pulmonary disease exacerbations	Clinical	€ 171
7.3J	09:30	13:00 Postgraduate course PG10 Cystic fibrosis: Basic defects and clinical problems in children	Clinical	€ 171
7.3S	09:30	13:00 Postgraduate course PG11 Modern approaches in lung cancer diagnostics and therapy	Clinical	€ 171
7.3C	11:00	13:00 Language session Chinese Programme 2018: Part II	Clinical	
7.1B	11:00	13:00 Language session Russian Speaking Programme 2018: Part II	Clinical	
Terminal 7	11:30	13:00 Session Primary Care Programme 2018: Part II	Clinical	
7.3N	13:00	16:00 ERS HERMES Examinations in Adult and Paediatric Respiratory Medicine	Registration mandatory	
7.1B	14:00	15:45 Language session French Programme 2018: Part I	Clinical	
7.3C	14:00	16:00 Language session Spanish and Portuguese Programme 2018: Part I	Clinical	
7.3K	14:00	17:30 Postgraduate course PG12 Interventional pulmonology	Clinical	€ 171
7.3L	14:00	17:30 Postgraduate course PG13 Challenges in the treatment of tuberculosis	Clinical	€ 171
7.3Q	14:00	17:30 Postgraduate course PG14 The evolving world of pulmonary rehabilitation	Clinical	€ 171
7.3B	14:00	17:30 Postgraduate course PG15 Challenging issues in acute interstitial lung diseases	Clinical	€ 171
7.3M	14:00	17:30 Postgraduate course PG16 Advanced cardiopulmonary exercise testing	Clinical	€ 171
7.3O	14:00	17:30 Postgraduate course PG17 Asthma phenotyping	Basic science	€ 171
7.3J	14:00	17:30 Postgraduate course PG18 Cystic fibrosis: management in adult patients	Clinical	€ 171
7.3S	14:00	17:30 Postgraduate course PG19 Heart-lung interaction	Clinical	€ 171

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
PAEDIATRIC RESPIRATORY DISEASES
PULMONARY VASCULAR DISEASES
RESPIRATORY CRITICAL CARE
RESPIRATORY INFECTIONS
SLEEP AND BREATHING DISORDERS
THORACIC ONCOLOGY
INDUSTRY

7.1B	15:45	17:30	Language session French Programme 2018: Part II	Clinical	
7.3C	16:00	17:30	Language session Spanish and Portuguese Programme 2018: Part II	Clinical	
7.3A	17:45	21:00	Opening session All registered delegates are welcome to join the ERS Leadership for the Opening of the Congress		

AIRWAY
DISEASESINTERSTITIAL
LUNG DISEASEPAEDIATRIC
RESPIRATORY
DISEASESPULMONARY
VASCULAR
DISEASESRESPIRATORY
CRITICAL CARERESPIRATORY
INFECTIONSSLEEP AND
BREATHING
DISORDERSTHORACIC
ONCOLOGY

INDUSTRY

SUNDAY 16 SEPTEMBER 2018					
ROOM	TIME	SESSION	TAG	PRICE	
7.3M	07:00	08:15 Challenging clinical cases CC1 Lung transplantation	Clinical		
7.2D	07:00	08:15 Challenging clinical cases CC2 Broad spectrum of chronic thromboembolic pulmonary hypertension	Clinical		
7.3V	08:00	10:20 Skills workshop SW1 Body plethysmography	Clinical	€ 122	
7.3T	08:00	10:20 Skills workshop SW4 Endoscopy	Clinical	€ 122	
7.3A	08:30	10:30 Grand round Lung cancer Grand Round	Clinical		
7.1A	08:30	10:30 Symposium New Sepsis Surviving Campaign guidelines: back to the “art of medicine”	Clinical		
7.1B	08:30	10:30 Symposium EUREST-PLUS: implementation of the tobacco control policy to reduce lung disease	Translational		
7.3C	08:30	10:30 Symposium Difficult paediatric lung disease	Clinical		
7.3K	08:30	10:30 Symposium Respiratory muscles at rest, during exercise and in the critically ill patient	Clinical		
7.3N	08:30	10:30 Symposium State of the art session: Airways disease	Translational		
7.3Z2	08:30	10:30 Symposium Organoids and pluripotent stem cells	Basic science		
7.3B	08:30	10:30 Oral presentation Risk stratification in treatment of pulmonary arterial hypertension			
7.3M	08:30	10:30 Oral presentation Asthma in children and adults: long-term aspects			
7.3O	08:30	10:30 Oral presentation Prematurity and lung disease			
7.3P	08:30	10:30 Oral presentation Evolving approaches to differential diagnosis			
7.3Q	08:30	10:30 Oral presentation Primary care management of respiratory conditions			
Terminal 7	08:30	10:30 Oral presentation Paediatric asthma: prevention, diagnosis and treatment			
7.3Z1	08:30	10:30 Oral presentation ILDs: From bench to bedside			
7.2A	08:30	10:30 Poster discussion The global impact of bronchiectasis and nontuberculous mycobacteria (NTM)			
7.2B	08:30	10:30 Poster discussion Occupational and environmental lung diseases: asthma and the airways			
7.2C	08:30	10:30 Poster discussion Evaluation of COPD and various diseases by different imaging modalities			
7.2D	08:30	10:30 Poster discussion EUS-B and EBUS: optimal utilisation of the EBUS scope			
7.3J	08:30	10:30 Poster discussion Sleep-disordered breathing: cardiovascular consequences, epidemiology, phenotypes and comorbidities			
7.3L	08:30	10:30 Poster discussion Epidemiology and prognostication of critically-ill patients			
7.3U	09:00	10:30 Professional development PDW2 Medical writing		€ 49	
7.3V	10:40	13:00 Skills workshop SW2 Body plethysmography	Clinical	€ 122	
7.3T	10:40	13:00 Skills workshop SW5 Endoscopy	Clinical	€ 122	
7.3A	10:45	12:45 Grand round Imaging Grand Round	Clinical		

AIRWAY DISEASES

INTERSTITIAL LUNG DISEASE

PAEDIATRIC RESPIRATORY DISEASES

PULMONARY VASCULAR DISEASES

RESPIRATORY CRITICAL CARE

RESPIRATORY INFECTIONS

SLEEP AND BREATHING DISORDERS

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INDUSTRY

7.3Z1	10:45	12:45	Hot topics Imminent global problems in lung cancer require joint action: time for an international alliance!	Clinical	
7.1A	10:45	12:45	Symposium Cournand lecture: new paradigms in extracorporeal lung assistance	Clinical	
7.1B	10:45	12:45	Symposium Towards understanding and managing chronic cough	Clinical	
7.3C	10:45	12:45	Symposium Dyspnoea: a multidimensional and multidisciplinary approach	Clinical	
7.3K	10:45	12:45	Symposium Gene-environment interactions in the omics era	Translational	
7.3N	10:45	12:45	Symposium State of the art session: Pulmonary vascular diseases	Clinical	
7.3Z2	10:45	12:45	Symposium Multidisciplinary approach to ground-glass opacities	Clinical	
7.3B	10:45	12:45	Oral presentation Mechanisms that underlie exercise limitation in various respiratory diseases		
7.3M	10:45	12:45	Oral presentation A fresh view on airway differentiation and regeneration		
7.3O	10:45	12:45	Oral presentation Cystic fibrosis: microbiological aspects and new treatments		
7.3Q	10:45	12:45	Oral presentation Pleural disease: diagnosis, monitoring and management		
Terminal 7	10:45	12:45	Oral presentation Clinical news in idiopathic interstitial pneumonias		
7.3P	10:45	12:45	Oral presentation New pharmacological strategies in airway diseases		
7.2A	10:45	12:45	Poster discussion Assessing pathophysiology in children		
7.2B	10:45	12:45	Poster discussion COPD phenotypes: $\alpha 1$ antitrypsin deficiency and beyond		
7.2C	10:45	12:45	Poster discussion Regenerative and anti-fibrotic approaches		
7.2D	10:45	12:45	Poster discussion Innovative therapies in asthma and COPD		
7.3L	10:45	12:45	Poster discussion Challenges in treating tuberculosis and nontuberculous mycobacteria		
7.3J	10:45	12:45	Poster discussion Orphan diseases in children		
7.3U	11:00	13:00	Professional development PDW3 Leading and managing change		€ 49

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
PAEDIATRIC RESPIRATORY DISEASES
PULMONARY VASCULAR DISEASES
RESPIRATORY CRITICAL CARE
RESPIRATORY INFECTIONS
SLEEP AND BREATHING DISORDERS
THORACIC ONCOLOGY
INDUSTRY

THEMATIC POSTER SESSIONS

08:30-17:00 Poster Display

12:50-14:40 Poster Session (with authors and coordinators' presence)

TP-01	12:50	14:40	Thematic poster - Physiological and biological insights in asthma
TP-02	12:50	14:40	Thematic poster - Asthma: clinical screening tools
TP-03	12:50	14:40	Thematic poster - Integrated care and non-pharmacological management of COPD
TP-04	12:50	14:40	Thematic poster - Nutrition and metabolic syndrome in COPD
TP-05	12:50	14:40	Thematic poster - Cardiovascular morbidities in COPD
TP-06	12:50	14:40	Thematic poster - COPD around the world
TP-07	12:50	14:40	Thematic poster - Pharmacological management of COPD
TP-08	12:50	14:40	Thematic poster - Management of bronchiectasis and large airway diseases
TP-09	12:50	14:40	Thematic poster - Management of chronic cough and respiratory muscle dysfunction
TP-10	12:50	14:40	Thematic poster - What's hot in rehabilitation in COPD and interstitial lung disease (ILD)?
TP-11	12:50	14:40	Thematic poster - Imaging of various diseases with different imaging modalities
TP-12	12:50	14:40	Thematic poster - Linear and radial EBUS and peripheral nodules
TP-13	12:50	14:40	Thematic poster - Pleural interventions
TP-14	12:50	14:40	Thematic poster - Primary care management of COPD
TP-15	12:50	14:40	Thematic poster - Functional genomics and COPD: new challenges
TP-16	12:50	14:40	Thematic poster - Studying novel biomarkers in asthma and COPD

TP-17	12:50	14:40	Thematic poster - Identification of therapeutic targets for asthma
TP-18	12:50	14:40	Thematic poster - Pulmonary fibrosis: from models to patients
TP-19	12:50	14:40	Thematic poster - Pulmonary drug delivery: inhaler use, devices and technologies
TP-20	12:50	14:40	Thematic poster - New developments in the treatment of asthma
TP-21	12:50	14:40	Thematic poster - Basic pharmacology
TP-22	12:50	14:40	Thematic poster - Biomarkers for evaluating COPD
TP-23	12:50	14:40	Thematic poster - Biomarkers for evaluating asthma
TP-24	12:50	14:40	Thematic poster - Translational models of the immunopathology that underlies airway obstructive diseases
TP-25	12:50	14:40	Thematic poster - Role of IgE and interleukin (IL)-5 in Th2-cell signatures
TP-26	12:50	14:40	Thematic poster - Epidemiology of asthma and allergy: prevalence, incidence and risk factors
TP-27	12:50	14:40	Thematic poster - Epidemiology of COPD : from exacerbations and comorbidities to asthma-COPD overlap syndrome (ACOS)
TP-28	12:50	14:40	Thematic poster - Occupational and environmental lung diseases: mechanisms, biomarkers and causation
TP-29	12:50	14:40	Thematic poster - Occupational and environmental lung diseases: influence on the airway and interstitium
TP-30	12:50	14:40	Thematic poster - Tobacco use and cessation interventions in patients with respiratory, cardiovascular and mental health problems and other populations
TP-31	12:50	14:40	Thematic poster - Effect of tobacco use on health
TP-32	12:50	14:40	Thematic poster - Role of omics in population studies
TP-33	12:50	14:40	Thematic poster - The bad and the ugly in paediatric asthma: comorbidities and exacerbations
TP-34	12:50	14:40	Thematic poster - Paediatric asthma: new mechanisms and tools
TP-35	12:50	14:40	Thematic poster - Cystic fibrosis in adults: current research
TP-36	12:50	14:40	Thematic poster - Clinical problems in paediatric pulmonology
TP-37	12:50	14:40	Thematic poster - Paediatric bronchology
TP-38	12:50	14:40	Thematic poster - Molecular and cellular determinants of the developing lung
TP-39	12:50	14:40	Thematic poster - Respiratory physiology and measurements
TP-40	12:50	14:40	Thematic poster - Acutely hospitalised patients: physiotherapy interventions and assessment methods
TP-41	12:50	14:40	Thematic poster - Chronic lung disease : effects of rehabilitation interventions on functional outcomes in patients
TP-42	12:50	14:40	Thematic poster - Chronic respiratory disease: respiratory muscle function, breathing exercises and airway clearance techniques
TP-43	12:50	14:40	Thematic poster - Chronic respiratory disease : determinants of physical activity in patients
TP-44	12:50	14:40	Thematic poster - Chronic respiratory disease: effects of rehabilitation interventions in patients
TP-45	12:50	14:40	Thematic poster - Contemporary respiratory care: symptoms, the role of the nurse and the organisation of care

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
PAEDIATRIC RESPIRATORY DISEASES
PULMONARY VASCULAR DISEASES
RESPIRATORY CRITICAL CARE
RESPIRATORY INFECTIONS
SLEEP AND BREATHING DISORDERS
THORACIC ONCOLOGY
INDUSTRY

ROOM	TIME	SESSION	TAG	PRICE	
7.3Z1	13:00	14:30	Championship Respiratory championship	Clinical	
7.3A	13:00	14:30	Lunchtime session Advances in idiopathic pulmonary fibrosis treatment, tracheobronchial reconstruction using bioengineering and clinical prediction rules for diagnosing pulmonary embolism	Clinical	
7.2B	13:00	14:15	Lungs on fire Interstitial Lung Diseases & Respiratory Infections	Clinical	
7.2D	13:00	14:00	Meet the expert ME1 Endoscopic lung volume reduction	Clinical	€ 122
7.3E	13:00	14:00	Meet the expert ME2 Lung microbiome: study design and standardisation	Basic science	€ 122
7.3U	13:15	14:15	Meet the expert ME3 Bronchoscopic evaluation of recurrent/persistent pneumonia in children	Clinical	€ 122
7.3I	13:00	14:00	Meet the expert ME4 Mucus clearance techniques across respiratory care settings	Clinical	€ 122
7.3U	14:30	16:30	Professional development PDW4 How to deal with difficult employees and co-workers		€ 49
7.3V	14:30	16:50	Skills workshop SW3 Body plethysmography	Clinical	€ 122
7.3T	14:30	16:50	Skills workshop SW6 Endoscopy	Clinical	€ 122

7.3Z2	14:45	16:45	Hot topic Cleaning agent exposures at work: are they really harmful to lung health?		
7.1A	14:45	16:45	Symposium Current and evolving tests in lung function: pro/con debate	Clinical	
7.1B	14:45	16:45	Symposium Air pollution and transplantation: near to one's heart and lungs!	Translational	
7.3C	14:45	16:45	Symposium Interstitial lung disease: an interdisciplinary approach	Translational	
7.3K	14:45	16:45	Symposium Mitochondrial dysfunction as a driver of lung disease	Translational	
7.3N	14:45	16:45	Symposium State of the art session: Sleep and breathing disorders	Clinical	
7.3Z1	14:45	16:45	Symposium Management of pleural infection in 2018	Clinical	
7.3A	14:45	16:45	Year in review Paediatric Year in Review	Clinical	
7.3B	14:45	16:45	Oral presentation Best abstracts in pulmonary rehabilitation and chronic care		
7.3M	14:45	16:45	Oral presentation Educational tools to improve your practice		
7.3O	14:45	16:45	Oral presentation Novel immunology-based therapies in asthma and COPD		
7.3P	14:45	16:45	Oral presentation Clinical trials in COPD: new results		
7.3Q	14:45	16:45	Oral presentation On the right path: understanding and improving the function of an overloaded right heart ventricle		
Terminal 7	14:45	16:45	Oral presentation Variant forms of asthma		
7.2A	14:45	16:45	Poster discussion Asthma management		
7.2B	14:45	16:45	Poster discussion Respiratory muscle function, postural control and breathing exercises in chronic respiratory conditions		
7.2C	14:45	16:45	Poster discussion Systematic reviews on the health effects of emerging tobacco products and electronic nicotine delivery systems (ENDS)		
7.2D	14:45	16:45	Poster discussion Thoracic surgery, pleural effusions and other general thoracic surgery		
7.3J	14:45	16:45	Poster discussion Lung cancer: from early diagnosis to modern monitoring strategies		
7.3L	14:45	16:45	Poster discussion New insights in the management of chronic respiratory failure		

AIRWAY
DISEASESINTERSTITIAL
LUNG DISEASEPAEDIATRIC
RESPIRATORY
DISEASESPULMONARY
VASCULAR
DISEASESRESPIRATORY
CRITICAL CARERESPIRATORY
INFECTIONSSLEEP AND
BREATHING
DISORDERSTHORACIC
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INDUSTRY

See from page xx for the Industry Sponsored Sessions

MONDAY 17 SEPTEMBER 2018

ROOM	TIME	SESSION	TAG	PRICE
7.3P	07:00	08:15 Challenging clinical cases CC3 Lung cancer: personalised treatment and palliative care	Clinical	
7.2D	07:00	08:15 Challenging clinical cases CC4 Tuberculosis	Clinical	
7.3J	07:00	08:15 Challenging clinical cases CC5 Pulmonary vasculitis: the great chameleon	Clinical	
7.3T	08:00	10:20 Skills workshop SW7 Cardiopulmonary exercise test interpretation - tips and pitfalls	Clinical	€ 122
7.3V	08:00	10:20 Skills workshop SW10 Thoracic ultrasound	Clinical	€ 122
7.3A	08:30	10:30 Grand round Paediatric Grand Round	Clinical	
7.3Z2	08:30	10:30 Hot topics Pulmonary embolism: what we need to know	Clinical	
7.1B	08:30	10:30 Symposium New trends in the management of difficult-to-wean patients	Clinical	
7.3C	08:30	10:30 Symposium Sleep apnoea: is it time for new therapies?	Clinical	
7.3K	08:30	10:30 Symposium Cross-talk in the lung microenvironment: implications for chronic lung disease	Basic science	
7.3N	08:30	10:30 Symposium State of the art session: Thoracic oncology	Translational	
7.3Z1	08:30	10:30 Symposium Rare lung diseases	Clinical	
7.1A	08:30	10:30 Year in review Therapeutic breakthroughs Year in Review	Clinical	
7.3B	08:30	10:30 Oral presentation New modalities in asthma treatment		
7.3M	08:30	10:30 Oral presentation Novel drug targets for asthma and COPD		
7.3O	08:30	10:30 Oral presentation Occupational and environmental lung diseases: from early influences and novel exposures to preventative approaches		
7.3Q	08:30	10:30 Oral presentation COPD and chronic respiratory disease: from misclassification to radiological findings		
7.3P	08:30	10:30 Oral presentation New developments in tuberculosis		
Terminal 7	08:30	10:30 Oral presentation Determinants of physical activity behaviour in patients with COPD and the physiotherapist as a physical activity coach		
7.2A	08:30	10:30 Poster discussion Integrating pharmacological and non-pharmacological management in COPD: are we there yet?		
7.2B	08:30	10:30 Poster discussion Clinical determinants and biomarkers of COPD		
7.2C	08:30	10:30 Poster discussion Improving the outcomes of community-acquired pneumonia		
7.2D	08:30	10:30 Poster discussion Let's interact and discuss the hot topics in pulmonary rehabilitation		
7.3J	08:30	10:30 Poster discussion The many facets of respiratory nursing		
7.3L	08:30	10:30 Poster discussion Pleural diseases and pneumonia: what's new ?		
7.3T	10:40	13:00 Skills workshop SW8 Cardiopulmonary exercise test interpretation - tips and pitfalls	Clinical	€ 122
7.3V	10:40	13:00 Skills workshop SW11 Thoracic ultrasound	Clinical	€ 122



7.1B	10:45	12:45	Hot topics Preventing asthma and COPD exacerbations by increasing the inhaled glucocorticoid dose	Clinical	
7.1A	10:45	12:45	Symposium Infectious agents and childhood asthma	Clinical	
7.3C	10:45	12:45	Symposium Integrated care for patients with pulmonary vascular disease, lung diseases and heart failure	Clinical	
7.3K	10:45	12:45	Symposium Cell-matrix interactions in lung disease and regeneration	Basic science	
7.3N	10:45	12:45	Symposium State of the art session: Respiratory infections	Clinical	
7.3Z1	10:45	12:45	Symposium Respiratory medicine meets hematology	Clinical	
7.3A	10:45	12:45	Year in review Clinical Year in Review	Clinical	
7.3B	10:45	12:45	Oral presentation Intercellular communication in tissue remodelling		
7.3Z2	10:45	12:45	Oral presentation COPD: from LABA/ICS to LABA/LAMA/ICS		
7.3M	10:45	12:45	Oral presentation Respiratory muscles and lung function: from healthy subjects to patients		
7.3O	10:45	12:45	Oral presentation Granulomatous disorders: epidemiology, genotype and phenotype		
7.3Q	10:45	12:45	Oral presentation New predictors of morbidity and mortality in COPD		
7.3P	10:45	12:45	Oral presentation Interventional pulmonology highlights in 2018: latest innovations		
Terminal 7	10:45	12:45	Oral presentation Multiomics studies in epidemiology: what can they tell us?		
7.2A	10:45	12:45	Poster discussion The world of idiopathic pulmonary fibrosis (IPF): global registries		
7.2B	10:45	12:45	Poster discussion Lung cancer: personalised medicine		
7.2C	10:45	12:45	Poster discussion New insights in rare diffuse parenchymal lung diseases (DPLDs) in adults and children		
7.2D	10:45	12:45	Poster discussion New diagnostic tools for sleep and breathing and healthcare provision options		
7.3J	10:45	12:45	Poster discussion Respiratory epidemiology: from COPD to factors that associate with lung function and infections		
7.3L	10:45	12:45	Poster discussion New kids on the block: novel molecular pathways and therapeutic targets in chronic lung diseases		
7.3U	11:00	13:00	Professional development PDW5 Teamability: become an effective team leader and member		€ 49

AIRWAY DISEASES
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THEMATIC POSTER SESSIONS

08:30-17:00 Poster Display

12:50-14:40 Poster Session (with authors and coordinators' presence)

TP-01	12:50	14:40	Thematic poster - Critically ill patients: prognostic factors and biomarkers
TP-02	12:50	14:40	Thematic poster - Preclinical and clinical studies of critical illness
TP-03	12:50	14:40	Thematic poster - Muscles and diaphragm, and quality improvement
TP-04	12:50	14:40	Thematic poster - Non-invasive ventilation for acute respiratory failure
TP-05	12:50	14:40	Thematic poster - Non-invasive ventilation in chronic respiratory failure
TP-06	12:50	14:40	Thematic poster - New tools for managing respiratory failure
TP-07	12:50	14:40	Thematic poster - New methods and concepts in tests of lung and respiratory muscle function
TP-08	12:50	14:40	Thematic poster - The value of lung function testing in various pathophysiological conditions
TP-09	12:50	14:40	Thematic poster - Cardiopulmonary exercise testing in COPD and cardiovascular diseases

TP-10	12:50	14:40	Thematic poster - New methods and concepts in exercise testing
TP-11	12:50	14:40	Thematic poster - From continuous positive airway pressure (CPAP) and adherence to CPAP to asthma-COPD overlap syndrome (ACOS)
TP-12	12:50	14:40	Thematic poster - Diagnostics including questionnaires
TP-13	12:50	14:40	Thematic poster - Sleep-disordered breathing: biomarkers and genetics and the role of hypoxia, insomnia, movement disorders and sleep quality
TP-14	12:50	14:40	Thematic poster - Obesity: comorbidities
TP-15	12:50	14:40	Thematic poster - Pleural effusions, infections and tumours
TP-16	12:50	14:40	Thematic poster - Moving lung transplantation forward
TP-17	12:50	14:40	Thematic poster - Predicting the future: biomarkers of respiratory infection
TP-18	12:50	14:40	Thematic poster - Pneumonia: from the community to the intensive care unit
TP-19	12:50	14:40	Thematic poster - Mechanisms of respiratory infection
TP-20	12:50	14:40	Thematic poster - Improving the quality of life of patients with bronchiectasis
TP-21	12:50	14:40	Thematic poster - Challenges in tuberculosis care
TP-22	12:50	14:40	Thematic poster - Tuberculosis comorbidities
TP-23	12:50	14:40	Thematic poster - Groups who are susceptible to tuberculosis: children, pregnant women and elderly people
TP-24	12:50	14:40	Thematic poster - Pulmonary tuberculosis: long term complications, rehabilitation and challenges
TP-25	12:50	14:40	Thematic poster - Lung cancer: new tools for diagnosis and patient assessment
TP-26	12:50	14:40	Thematic poster - Lung cancer: novel prognostic markers and scores
TP-27	12:50	14:40	Thematic poster - Lung cancer: modern therapies and beyond
TP-28	12:50	14:40	Thematic poster - Lung cancer: risk factors, supportive measures and quality improvement
TP-29	12:50	14:40	Thematic poster - Lung cancer: from the bench to the bedside
TP-30	12:50	14:40	Thematic poster - Mesothelioma and pleural malignancy: investigations and management
TP-31	12:50	14:40	Thematic poster - Clinical management of pleural malignancies, including mesothelioma
TP-32	12:50	14:40	Thematic poster - Consequences of idiopathic interstitial pneumonias
TP-33	12:50	14:40	Thematic poster - News on the diagnosis of idiopathic interstitial pneumonia
TP-34	12:50	14:40	Thematic poster - Idiopathic interstitial pneumonias other than idiopathic pulmonary fibrosis (IPF)
TP-35	12:50	14:40	Thematic poster - CTD-ILD and hypersensitivity pneumonitis: mechanistic insights and prognostic markers
TP-36	12:50	14:40	Thematic poster - Clinical aspects of hypersensitivity pneumonitis (HP) and CTD-ILD: diagnosis, monitoring and treatment
TP-37	12:50	14:40	Thematic poster - Granulomatous disorders: heterogeneous diseases with variable management
TP-38	12:50	14:40	Thematic poster - Pitfalls in the diagnosis and management of rare diffuse parenchymal lung diseases (DPLDs)
TP-39	12:50	14:40	Thematic poster - Pulmonary hypertension: therapy
TP-40	12:50	14:40	Thematic poster - Experimental research in pulmonary hypertension
TP-41	12:50	14:40	Thematic poster - Clinical aspects of pulmonary hypertension
TP-42	12:50	14:40	Thematic poster - Pulmonary hypertension in lung diseases and the role of the right ventricle
TP-43	12:50	14:40	Thematic poster - Diagnosis, prognostication and treatment of pulmonary embolism
TP-44	12:50	14:40	Thematic poster - Medical education via the web and the internet
TP-45	12:50	14:40	Thematic poster - COPD, asthma and tuberculosis: benefits related to therapy costs

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
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ROOM	TIME	SESSION	TAG	PRICE
7.3A	13:00	14:30	Clinical	
		Lunchtime session New biologics for asthma: which patients, which agents, which results, at what cost?		
7.3Q	13:00	14:15	Clinical	
		Lungs on fire Airway Diseases & Respiratory Infections		
7.2B	13:00	14:15	Clinical	
		Lungs on fire Paediatric Respiratory Diseases		
7.3I	13:00	14:00	Clinical	€ 122
		Meet the expert ME5 Lung cancer screening		
7.3F	13:00	14:00	Translational	€ 122
		Meet the expert ME6 Control of breathing - hypoventilation during sleep, exercise and dyspnoea		
7.2D	13:00	14:00	Clinical	€ 122
		Meet the expert ME7 Monitoring of home mechanical ventilation in neuromuscular disorders		
7.3E	13:00	14:00	Clinical	€ 122
		Meet the expert ME8 Diagnosing bronchiectasis and cystic fibrosis		

7.3J	13:00	14:30	Patient forum PF Occupational lung disease – professional and patient perspectives		
7.3U	13:15	14:15	Meet the expert ME14 Bronchiolitis obliterans syndrome in immunodepressed patients	Clinical	€ 122
7.3U	14:30	17:00	Professional development PDW6 Supporting patients with behaviour change strategies	Clinical	€ 49
7.3T	14:30	16:50	Skills workshop SW9 Cardiopulmonary exercise test interpretation - tips and pitfalls	Clinical	€ 122
7.3V	14:30	16:50	Skills workshop SW12 Thoracic ultrasound	Clinical	€ 122
7.1A	14:45	16:45	Guidelines session Idiopathic pulmonary fibrosis diagnosis: new guidelines	Clinical	
7.3A	14:45	16:45	Hot topics Chronic pulmonary aspergillosis: from guidelines to real-life implementation	Clinical	
7.3C	14:45	16:45	Hot topics Roles of innate lymphoid cells in asthma	Basic science	
7.1B	14:45	16:45	Symposium Advances in community-acquired pneumonia management	Clinical	
7.3K	14:45	16:45	Symposium The best of the European Respiratory Journal in 2018	Clinical	
7.3N	14:45	16:45	Symposium Imaging chronic lung diseases: moving from structure to function	Clinical	
7.3Z1	14:45	16:45	Symposium Microbiomes in respiratory disease	Basic science	
7.3B	14:45	16:45	Oral presentation New methods for diagnosing and treating lung diseases		
7.3M	14:45	16:45	Oral presentation Ventilation and lung imaging in critically ill patients		
7.3O	14:45	16:45	Oral presentation Lung cancer: new aspects in diagnosis and management		
7.3Q	14:45	16:45	Oral presentation Pathophysiological aspects of sleep-disordered breathing: intermittent hypoxia		
7.3P	14:45	16:45	Oral presentation Recent insights in childhood asthma and wheezing		
Terminal 7	14:45	16:45	Oral presentation Lung transplant science: from primary graft to chronic allograft dysfunction		
7.3Z2	14:45	16:45	Oral Presentation Molecular mechanisms and treatment of pulmonary hypertension		
7.2A	14:45	16:45	Poster discussion What's new in lung function and exercise assessment in COPD?		
7.2B	14:45	16:45	Poster discussion Exercise is medicine: testing and treating patients with some effort		
7.2C	14:45	16:45	Poster discussion Cryobiopsy in interstitial lung disease (ILD)		
7.2D	14:45	16:45	Poster discussion Innovations in equipment and their application		
7.3L	14:45	16:45	Poster discussion Pulmonary hypertension: right ventricle function, haemodynamics and exercise		
7.3J	14:45	16:45	Poster discussion Latest developments in cystic fibrosis		
7.3R	15:00	16:00	Educational forum Ensuring impactful independent education	Translational	



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TUESDAY 18 SEPTEMBER 2018

ROOM	TIME	SESSION	TAG	PRICE
7.2C	07:00	08:15 Challenging clinical cases CC6 Interstitial lung diseases	Clinical	
7.2D	07:00	08:15 Challenging clinical cases CC7 Severe asthma	Clinical	
7.3J	07:00	08:15 Challenging clinical cases CC8 Non-resolving pneumonia	Clinical	
7.3U	08:00	10:20 Skills workshop SW13 Radiological-pathological correlations in different lung diseases for clinicians	Clinical	€ 122
7.3V	08:30	12:00 Skills workshop SW19 Clinical interpretation of spirometry results		€ 122
7.3A	08:30	10:30 Session Pulmonary endoscopy	Clinical	
7.1A	08:30	10:30 Symposium Proteases: at the cutting edge of lung disease	Translational	
7.1B	08:30	10:30 Symposium GINA 2018 and beyond: shaping the future of asthma management	Clinical	
7.3C	08:30	10:30 Symposium Accelerated ageing in lungs	Basic science	
7.3K	08:30	10:30 Symposium Microorganisms and lung ecology: living in peace with bugs	Translational	
7.3N	08:30	10:30 Symposium State of the art session: Respiratory critical care	Clinical	
7.3Z1	08:30	10:30 Symposium Prenatal origins of respiratory and atopic disorders	Translational	
7.3B	08:30	10:30 Oral presentation New perspectives on asthma, cough and laryngeal obstruction		
7.3M	08:30	10:30 Oral presentation New ideas about respiratory and sleep physiology in children		
7.3O	08:30	10:30 Oral presentation Acute pulmonary embolism: from diagnosis to treatment		
7.3Q	08:30	10:30 Oral presentation Biomarkers in COPD and asthma		
7.3P	08:30	10:30 Oral presentation Paediatric respiratory infections: translational and clinical perspectives		
Terminal 7	08:30	10:30 Oral presentation Muscle adaptations in response to physiotherapeutic interventions in acute and chronic settings		
7.3Z2	08:30	10:30 Oral Presentation Notable Studies in Asthma		
7.2A	08:30	10:30 Poster discussion Additional latest insights in pulmonary rehabilitation for chronic lung diseases		
7.2B	08:30	10:30 Poster discussion CTD-ILD and hypersensitivity pneumonitis: from the bench to the bedside		
7.2C	08:30	10:30 Poster discussion Drug-resistant tuberculosis		
7.2D	08:30	10:30 Poster discussion Asthma analysis		
7.3J	08:30	10:30 Poster discussion Novel insights in the basic and translational research on idiopathic interstitial pneumonias		
7.3L	08:30	10:30 Poster discussion Interdependence of COPD and comorbidities and the underlying mechanisms		
7.3U	10:40	13:00 Skills workshop SW14 Radiological-pathological correlations in different lung diseases for clinicians	Clinical	€ 122
7.3T	10:40	13:00 Skills workshop SW17 Essential skills for the intensive care unit	Clinical	€ 122



7.1B	10:45	12:45	Hot topics Recent advances in respiratory disorders with oropharyngeal dysphagia	Clinical	
7.3A	10:45	12:45	Session Pulmonary endoscopy	Clinical	
7.1A	10:45	12:45	Symposium It's my favourite cell that affects your asthma	Translational	
7.3C	10:45	12:45	Symposium Fungal infection in the intensive care unit	Clinical	
7.3K	10:45	12:45	Symposium New challenges in tackling known diseases with the 10 ERS Principles for Lung Health	Clinical	
7.3Z1	10:45	12:45	Symposium Recent advances in primary ciliary dyskinesia	Clinical	
7.3N	10:45	12:45	Year in review Scientific Year in Review	Translational	
7.3B	10:45	12:45	Oral presentation Quality, reference values and standards		
7.3M	10:45	12:45	Oral presentation Pulmonary embolism: long-term sequelae and advances in therapies		
7.3O	10:45	12:45	Oral presentation Novel findings in biomarkers of tobacco use, exposure, hazards and genetics		
7.3Q	10:45	12:45	Oral presentation Imaging biomarkers and quantitative imaging		
7.3P	10:45	12:45	Oral presentation CTD-ILD and hypersensitivity pneumonitis: risk stratification and management		
7.3Z2	10:45	12:45	Oral presentation Progress in rare interstitial lung diseases		
Terminal 7	10:45	12:45	Oral presentation General thoracic surgery		
7.2A	10:45	12:45	Poster discussion How far are we in terms of predicting mortality and exacerbations in COPD?		
7.2B	10:45	12:45	Poster discussion Current practices in and attitudes to screening for tuberculosis, and a discussion about genetic diversity		
7.2C	10:45	12:45	Poster discussion New insights in testing lung and respiratory muscle functions		
7.2D	10:45	12:45	Poster discussion Asthma and allergy in adults and children and their biomarkers		
7.3J	10:45	12:45	Poster discussion Pathobiology of pulmonary hypertension		
7.3L	10:45	12:45	Poster discussion Telehealth, home rehabilitation and specific adaptations to exercise interventions in different settings		

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
PAEDIATRIC RESPIRATORY DISEASES
PULMONARY VASCULAR DISEASES
RESPIRATORY CRITICAL CARE
RESPIRATORY INFECTIONS
SLEEP AND BREATHING DISORDERS
THORACIC ONCOLOGY
INDUSTRY

THEMATIC POSTER SESSIONS

08:30-17:00 Poster Display

12:50-14:40 Poster Session (with authors and coordinators' presence)

TP-01	12:50	14:40	Thematic poster - Tests and trends in asthma
TP-02	12:50	14:40	Thematic poster - Asthma and drugs
TP-03	12:50	14:40	Thematic poster - Clinical markers of asthma
TP-04	12:50	14:40	Thematic poster - Patient-reported outcomes and scores in COPD
TP-05	12:50	14:40	Thematic poster - COPD and extrapulmonary comorbidities
TP-06	12:50	14:40	Thematic poster - Functional assessment of COPD
TP-07	12:50	14:40	Thematic poster - Biomarkers of COPD
TP-08	12:50	14:40	Thematic poster - COPD exacerbations and bronchiectasis
TP-09	12:50	14:40	Thematic poster - Sarcoidosis, interstitial lung diseases and various clinical problems
TP-10	12:50	14:40	Thematic poster - Pulmonary rehabilitation: exercise training, body composition, physical activity and other aspects
TP-11	12:50	14:40	Thematic poster - Aspects of pulmonary rehabilitation and chronic care
TP-12	12:50	14:40	Thematic poster - Use of stents for tracheal stenosis
TP-13	12:50	14:40	Thematic poster - Bronchoscopy and transthoracic ultrasound

TP-14	12:50	14:40	Thematic poster - Primary care management of asthma
TP-15	12:50	14:40	Thematic poster - Genetics in chronic pulmonary diseases
TP-16	12:50	14:40	Thematic poster - COPD: immune regulation and therapeutic targets
TP-17	12:50	14:40	Thematic poster - COPD: novel pathological mechanisms in the airway epithelium
TP-18	12:50	14:40	Thematic poster - Role of microbial exposure and inflammation in lung injury
TP-19	12:50	14:40	Thematic poster - Triggers of acute lung injury: mechanical ventilation and oxygen levels
TP-20	12:50	14:40	Thematic poster - Cardiovascular and metabolic consequences of sleep-disordered breathing
TP-21	12:50	14:40	Thematic poster - Treatments that can serve as an alternative to positive airway pressure (PAP)
TP-22	12:50	14:40	Thematic poster - Sleep and breathing control: phenotypes
TP-23	12:50	14:40	Thematic poster - COPD management
TP-24	12:50	14:40	Thematic poster - Studies on the mechanisms underlying airway disease
TP-25	12:50	14:40	Thematic poster - Airway disease: recent discoveries
TP-26	12:50	14:40	Thematic poster - Clinical and functional monitoring in airway disease
TP-27	12:50	14:40	Thematic poster - Asthma, rhinitis and COPD: cells, mediators, biomarkers and genetics
TP-28	12:50	14:40	Thematic poster - Epidemiology of asthma, COPD and factors that associate with lung function
TP-29	12:50	14:40	Thematic poster - Respiratory epidemiology: from infectious diseases to lung cancer
TP-30	12:50	14:40	Thematic poster - Occupational and environmental lung diseases: inhaled air quality and health effects
TP-31	12:50	14:40	Thematic poster - Epidemiology of the use of traditional and emerging tobacco products and e-cigarettes
TP-32	12:50	14:40	Thematic poster - Tobacco use, attitudes and cessation training among healthcare professionals and prevention programmes
TP-33	12:50	14:40	Thematic poster - Improvements in the assessment of paediatric physiology
TP-34	12:50	14:40	Thematic poster - Paediatric asthma: new insights in its prevalence, treatment and treatment failure
TP-35	12:50	14:40	Thematic poster - Cystic fibrosis in paediatric patients: current research
TP-36	12:50	14:40	Thematic poster - Paediatric respiratory infections: mechanistic insights and clinical outcomes
TP-37	12:50	14:40	Thematic poster - Neonatology and paediatric intensive care
TP-38	12:50	14:40	Thematic poster - Insights in primary ciliary dyskinesia, asthma and lung function testing
TP-39	12:50	14:40	Thematic poster - Clinical challenges in respiratory infection
TP-40	12:50	14:40	Thematic poster - Difficult-to-treat respiratory infections
TP-41	12:50	14:40	Thematic poster - The immune response to tuberculosis: development of biomarkers and diagnostic tools
TP-42	12:50	14:40	Thematic poster - Drug-resistant tuberculosis and the sequelae of pulmonary tuberculosis
TP-43	12:50	14:40	Thematic poster - Diagnosis of tuberculosis
TP-44	12:50	14:40	Thematic poster - Management of idiopathic interstitial pneumonias: established and new treatments
TP-45	12:50	14:40	Thematic poster - Back to basics and translational research in idiopathic interstitial pneumonias

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
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RESPIRATORY INFECTIONS
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ROOM	TIME	SESSION	TAG	PRICE	
7.3A	13:00	14:30	Lunchtime session Bronchiectasis: new insights in diagnosis and treatment	Clinical	
7.3J	13:00	14:15	Lungs on fire Pulmonary Vascular Diseases & Respiratory Infections	Clinical	
7.2B	13:00	14:15	Lungs on fire Respiratory Infections	Clinical	
7.3Q	13:00	14:15	Lungs on fire Sleep and Breathing Disorders	Clinical	
7.2D	13:00	14:00	Meet the expert ME9 Cryobiopsy in interstitial lung disease	Clinical	€ 122
7.3F	13:00	14:00	Meet the expert ME10 Pulmonary arterial hypertension: treatment options	Clinical	€ 122
7.3E	13:00	14:00	Meet the expert ME11 Management of severe asthma in children	Clinical	€ 122
7.3I	13:00	14:00	Meet the expert ME12 Immunotherapies for lung cancer	Clinical	€ 122
7.3U	13:15	14:15	Meet the expert ME13 Management of pulmonary and critical care disease during pregnancy	Clinical	€ 122
7.3V	13:30	17:00	Skills workshop SW20 Clinical interpretation of spirometry results		€ 122

7.3U	14:30	16:50	Skills workshop SW15 Radiological-pathological correlations in different lung diseases for clinicians	Clinical	€ 122	AIRWAY DISEASES
7.3T	14:30	16:50	Skills workshop SW18 Essential skills for the intensive care unit	Clinical	€ 122	INTERSTITIAL LUNG DISEASE
7.3A	14:45	16:45	Grand round Clinical Grand Round	Clinical		PAEDIATRIC RESPIRATORY DISEASES
7.3C	14:45	16:45	Hot topics Emerging tobacco products and harm reduction: a tobacco solution to a tobacco problem ?	Clinical		PULMONARY VASCULAR DISEASES
7.1B	14:45	16:45	Hot topics Pathophysiology of the human lung alveolus	Basic science		RESPIRATORY CRITICAL CARE
7.1A	14:45	16:45	Symposium The digital *evolution in respiratory medicine: a personalised approach?	Clinical		RESPIRATORY INFECTIONS
7.3K	14:45	16:45	Symposium Malignant pleural effusions	Clinical		SLEEP AND BREATHING DISORDERS
7.3N	14:45	16:45	Symposium State of the art session: Interstitial lung diseases	Clinical		THORACIC ONCOLOGY
7.3O	14:45	16:45	Symposium Early Career Member: career and opportunities			INDUSTRY
7.3Z1	14:45	16:45	Symposium Lung cancer screening and management of solitary pulmonary nodules	Clinical		
7.3B	14:45	16:45	Oral presentation Advanced profiling of immune cells in chronic lung diseases			
7.3M	14:45	16:45	Oral presentation Bronchiectasis: phenotypes, endotypes and new therapies			
7.3Q	14:45	16:45	Oral presentation Chronic thromboembolic pulmonary hypertension			
7.3P	14:45	16:45	Oral presentation Epidemiology, phenotypes and cardiometabolic comorbidities of obstructive sleep apnoea			
7.3Z2	14:45	16:45	Oral presentation Interventional pulmonology highlights in 2018: ELVR, TLD and BT			
Terminal 7	14:45	16:45	Oral presentation Cystic fibrosis: diagnosis and monitoring			
7.2A	14:45	16:45	Poster discussion Understanding the immunopathology that underlies airway obstructive diseases			
7.2B	14:45	16:45	Poster discussion Primary ciliary dyskinesia and lung function tests in respiratory morbidities			
7.2C	14:45	16:45	Poster discussion Clinical determinants of asthma and biomarkers			
7.2D	14:45	16:45	Poster discussion Biomarkers and lung function in airway disease			
7.3J	14:45	16:45	Poster discussion Occupational and environmental lung diseases: air quality and lung damage			
7.3L	14:45	16:45	Poster discussion Disease exacerbations from a molecular point of view			

See from page xx for the Industry Sponsored Sessions

WEDNESDAY 19 SEPTEMBER 2018

ROOM	TIME	SESSION	TAG	PRICE	
7.1A	08:30	10:30	Hot topics New trends in the management of pulmonary hypertension	Clinical	
7.3C	08:30	10:30	Hot topics New drugs, strategies and research designs for advanced non-small cell lung cancer	Translational	
7.3Z1	08:30	10:30	Hot topics The complexities of managing mild asthma	Clinical	
7.1B	08:30	10:30	Symposium Respiratory medicine meets rheumatology	Clinical	
7.3K	08:30	10:30	Symposium Antimicrobial host defence and innate immunity in the lung	Translational	
7.3N	08:30	10:30	Symposium State of the art session: Paediatric respiratory diseases	Clinical	
7.3B	08:30	10:30	Oral presentation Does asthma phenotyping improve treatment?		
7.3M	08:30	10:30	Oral presentation Effect of environmental exposure on lung function outcomes		
7.3O	08:30	10:30	Oral presentation Physiotherapy care for patients with acute and chronic respiratory conditions		
7.3Q	08:30	10:30	Oral presentation Novel and established imaging studies and findings		
7.3P	08:30	10:30	Oral presentation Latest advances in pulmonary rehabilitation assessment and content		
7.3Z2	08:30	10:30	Oral presentation New determinants of cardiovascular morbidity in COPD		
Terminal 7	08:30	10:30	Oral presentation Innovative tobacco cessation approaches and trends in tobacco and e-cigarette use		
7.2A	08:30	10:30	Poster discussion What is new in idiopathic interstitial pneumonias?		
7.2B	08:30	10:30	Poster discussion Preclinical pharmacology: novel targets in airway inflammation, narrowing and neural control		
7.2C	08:30	10:30	Poster discussion Tuberculosis transmission and screening strategies		
7.2D	08:30	10:30	Poster discussion The importance of the pulmonary function test in different clinical settings		
7.3J	08:30	10:30	Poster discussion The airway microbiome across the spectrum of airway disease		
7.3L	08:30	10:30	Poster discussion Sarcoidosis: from basic research to patient outcomes		
7.1A	10:45	12:45	Hot topics Important changes in the management of tuberculosis	Translational	
7.3Z1	10:45	12:45	Hot topics Emerging and novel imaging biomarkers in drug-induced interstitial lung disease	Clinical	
7.1B	10:45	12:45	Symposium Endoscopic solutions for obstructive lung diseases	Clinical	
7.3C	10:45	12:45	Symposium Palliative care specific for respiratory diseases	Clinical	
7.3K	10:45	12:45	Symposium Effects of smoking on asthma	Clinical	
7.3N	10:45	12:45	Symposium The asthma-allergy "family"	Translational	
7.3B	10:45	12:45	Oral presentation Advances in exercise physiopathology		
7.3M	10:45	12:45	Oral presentation Upper airways morphology and diagnostics, and the challenges associated with mandibular advancement		
7.3O	10:45	12:45	Oral presentation Lung cancer: novel molecular markers and mechanisms		

AIRWAY DISEASES
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7.3Q	10:45	12:45	Oral presentation Progress in basic and translational research on idiopathic interstitial pneumonias			
7.3P	10:45	12:45	Oral presentation Eosinophils in airway disease			
7.3Z2	10:45	12:45	Oral presentation New insights in the signalling pathways that underlie IPF pathophysiology			
Terminal 7	10:45	12:45	Oral presentation Hot topics in non-invasive ventilation			
7.2A	10:45	12:45	Poster discussion Exploring the importance of daily physical activity in chronic respiratory disease			
7.2B	10:45	12:45	Poster discussion New developments in paediatric asthma			
7.2C	10:45	12:45	Poster discussion New therapies for respiratory infections: experimental and translational studies			
7.2D	10:45	12:45	Poster discussion Biomarkers of COPD and asthma-COPD overlap syndrome (ACOS)			
7.3J	10:45	12:45	Poster discussion Determinants and monitoring of asthma control			
7.3L	10:45	12:45	Poster discussion Endoscopic lung volume reduction			

AIRWAY
DISEASESINTERSTITIAL
LUNG DISEASEPAEDIATRIC
RESPIRATORY
DISEASESPULMONARY
VASCULAR
DISEASESRESPIRATORY
CRITICAL CARERESPIRATORY
INFECTIONSSLEEP AND
BREATHING
DISORDERSTHORACIC
ONCOLOGY

INDUSTRY

ERS ASSEMBLIES AND GROUPS MEMBERS' MEETINGS

SATURDAY 15 SEPTEMBER 2018

7.3K	13:00	14:15	Assembly members' meeting Assembly 2 Respiratory intensive care
7.3B	13:00	14:15	Assembly members' meeting Assembly 4 Clinical physiology and sleep
7.3M	13:00	14:15	Assembly members' meeting Assembly 8 Thoracic surgery and transplantation
7.1A	17:00	18:00	Assembly members' meeting Assembly 9 Allied respiratory professionals
7.3Q	13:00	14:15	Assembly members' meeting Assembly 10 Respiratory infections
7.3P	13:00	14:15	Assembly members' meeting Assembly 11 Thoracic oncology
7.3O	13:00	14:15	Assembly members' meeting Assembly 12 Interstitial lung diseases
7.3J	13:00	14:15	Assembly members' meeting Assembly 13 Pulmonary vascular diseases

SUNDAY 16 SEPTEMBER 2018

7.3B	13:00	14:15	Assembly members' meeting Assembly 1 Clinical
7.3P	13:00	14:15	Assembly members' meeting Assembly 3 Basic and translational sciences
7.3K	13:00	14:15	Assembly members' meeting Assembly 5 Airway diseases
7.3O	13:00	14:15	Assembly members' meeting Assembly 6 Epidemiology and Environment
7.3M	13:00	14:15	Assembly members' meeting Assembly 7 Paediatrics
7.3K	17:00	17:50	Group members' meeting Group 9.2 Physiotherapists



INDUSTRY SPONSORED SESSIONS

DISCLAIMER: EVENING SYMPOSIA, EVENING MINI SYMPOSIA, EARLY MORNING SYMPOSIA, EVENING EXPERT FORUM AND PRACTICAL WORKSHOPS ARE ORGANISED BY INDUSTRY. YOU CANNOT CLAIM CME CREDITS FOR ATTENDING THESE SESSIONS.

INDUSTRY SPONSORED SESSIONS

SUNDAY 16 SEPTEMBER 2018				
ROOM	TIME	SESSION		ORGANISED BY
7.2A	13:15	14:30	Industry practical workshop Reading between the guidelines: the use of FeNO measurement in asthma management today	<i>Circassia Ltd</i>
7.2C	13:15	14:30	Industry practical workshop Connected health & big data in Sleep – innovative usage and future outlook	<i>ResMed</i>
7.3L	13:15	14:30	Industry practical workshop Advanced Monitoring in a Next Generation Ventilatory	<i>Philips</i>
7.3W	13:15	14:30	Industry practical workshop Clinical Usefulness of Diffusion Capacity - DLCO.	<i>ndd Medizintechnik AG</i>
7.3X	13:15	14:30	Industry practical workshop Interventional Pulmonologist, the toolkit you need	<i>Boston Scientific</i>
7.3Y	13:15	14:30	Industry practical workshop Flexible and Rigid Bronchoscopy in Adults	<i>Karl Storz SE & Co. KG</i>
Terminal 7	13:15	14:30	Industry practical workshop Latest progress in mouthpiece ventilation in life support	<i>ResMed</i>
7.3C	17:15	19:15	Industry evening symposium Update on Severe Eosinophilic Asthma: Decision Making in Clinical Practice	<i>AstraZeneca PLC</i>
7.3K	17:15	19:15	Industry evening symposium A new breath-triggered inhaler for asthma: delivering innovation through design	<i>Mundipharma International Limited</i>
7.3L	17:15	19:15	Industry evening symposium Discovering asthma paradigms in an evolving landscape: Experts Perspectives	<i>Sanofi Genzyme and Regeneron</i>
7.3M	17:15	19:15	Industry evening symposium COPD Patients and Doctors: Travelling in the same direction?	<i>Menarini group</i>
7.3O	17:15	19:15	Industry evening symposium Getting to the 'heart' of COPD management: time for personalization?	<i>Novartis Pharma AG</i>
7.3P	17:15	19:15	Industry evening symposium Achieve more – Taking an evidence-based approach to PAH management	<i>Actelion Pharmaceuticals Ltd</i>
7.3Q	17:15	19:15	Industry evening symposium Effectiveness in every day clinical practice: New data from the Salford Lung Study in asthma	<i>GSK</i>
7.3Z1	17:15	19:15	Industry evening symposium Bridging the gap between research and clinical practice – where next in IPF?	<i>F. Hoffmann-La Roche Ltd</i>
7.3Z2	17:15	19:15	Industry evening symposium Managing multiple outcomes in COPD: Blending data with patient priorities	<i>Boehringer Ingelheim International GmbH</i>
7.3J	17:30	19:00	Industry evening mini symposium Advances in Genetic COPD: Implementation of AATD Research Findings in Clinical Practice	<i>Grifols</i>
7.3W	17:30	19:00	Industry evening mini symposium Updates and current challenges in difficult-to-treat pneumonia	<i>Pfizer</i>
7.3X	17:30	19:00	Industry evening mini symposium Discover New Dimensions in Interventional Pulmonology	<i>Olympus Europa SE & CO KG</i>

INDUSTRY SPONSORED SESSIONS

MONDAY 17 SEPTEMBER 2018				
ROOM	TIME	SESSION		ORGANISED BY
7.2B	07:00	08:15	Industry early morning symposium Type 2 Inflammation and the Evolving Profile of Uncontrolled Persistent Asthma	Sanofi Genzyme and Regeneron
7.2C	07:00	08:15	Industry early morning symposium 6 Month Results of Safety and Feasibility Study in Chronic Bronchitis Patients	CSA Medical
7.3R	07:00	08:15	Industry early morning symposium Patients as partners in drug development: From rhetoric into reality in a connected world	GSK
7.2A	13:15	14:30	Industry practical workshop MRD (Mandibular Repositioning Device) : a proven alternative to CPAP for OSA patients	ResMed
7.2C	13:15	14:30	Industry practical workshop Transcutaneous PCO2 monitoring in clinical practice	SenTec AG
7.3L	13:15	14:30	Industry practical workshop Expiratory Flow Limitation - What is it and Why it Matters	Philips
7.3W	13:15	14:30	Industry practical workshop Experience New Dimensions in Interventional Pulmonology	Olympus Europa SE & CO KG
7.3X	13:15	14:30	Industry practical workshop Optimal Patient Selection for Successful Treatment of Severe Lung Emphysema	Pulmonx International Sàrl
7.3Y	13:15	14:30	Industry practical workshop Endobronchial and Pleural Ultrasound Workshop	FUJIFILM SonoSite
Terminal 7	13:15	14:30	Industry practical workshop Interactive session on home NIV for COPD: how can technology support better care and care management.	ResMed
7.3C	17:15	19:15	Industry evening symposium Aiming for Optimal Asthma Care: A Metamorphosis in Asthma Care?	AstraZeneca PLC
7.3L	17:15	19:15	Industry evening symposium The asthma patient journey: what more can be done?	Novartis Pharma AG
7.3M	17:15	19:15	Industry evening symposium Early management of asthma to prevent adverse outcomes – different management strategies according to age group	Boehringer Ingelheim International GmbH
7.3N	17:15	19:15	Industry evening symposium Current COPD treatment paradigm and evidence: What are the unanswered questions and the clinical implications?	GSK
7.3Q	17:15	19:15	Industry evening symposium Severe Asthma in FOCUS: How can we Reduce OCS Use	AstraZeneca
7.3Z2	17:15	19:15	Industry evening symposium Fibrosing Interstitial Lung Diseases: Translating Recent Learnings Into Future Directions	Boehringer Ingelheim International GmbH
7.2A	17:30	19:00	Industry evening mini symposium Targeted Lung Denervation (TLD)- A One-Time Treatment for COPD and Severe Asthma	Nuvaira
7.2B	17:30	19:00	Industry evening mini symposium Back to basics in asthma and COPD: optimizing the patient journey	Orion Pharma and Menarini group
7.2C	17:30	19:00	Industry evening mini symposium The Rhinitis-Asthma link in childhood: pathogenesis, old and new therapeutic solutions The Rhinitis-Asthma link in childhood: pathogenesis, old and new therapeutic solutions	OMRON Healthcare Europe B.V.
7.2D	17:30	19:00	Industry evening mini symposium Bronchiectasis: from Guidelines to Clinical Practice	Grifols
7.3J	17:30	19:00	Industry evening mini symposium How important is early action in Pulmonary Arterial Hypertension?	GSK
7.3R	17:30	19:00	Industry evening mini symposium Focusing on the patient – future prospects in Alpha 1 management	CSL Behring

INDUSTRY SPONSORED SESSIONS

TUESDAY 18 SEPTEMBER 2018				
ROOM	TIME	SESSION		ORGANISED BY
7.3M	13:00	14:30	Joint ERS - Industry Lunchtime session Advances in inhaler technology	<i>Boehringer Ingelheim, GSK, Mundipharma, Teva, Novartis</i>
7.2A	13:15	14:30	Industry practical workshop Advances in respiratory care: Endobronchial ablation and Lung Volume Reduction	<i>Medtronic</i>
7.2C	13:15	14:30	Industry practical workshop Innovation in Airway Clearance: Discover the direct action of the Simeox technology on mucus rheology and the clinical impact on bronchial drainage	<i>Physio Assist</i>
7.3L	13:15	14:30	Industry practical workshop Humidified nasal high flow for respiratory support in the chronic setting	<i>Fisher & Paykel Healthcare</i>
7.3W	13:15	14:30	Industry practical workshop Endobronchial and Pleural Ultrasound Workshop	<i>FUJIFILM SonoSite</i>
7.3X	13:15	14:30	Industry practical workshop Transbronchial cryobiopsy	<i>Erbe Elektromedizin GmbH</i>
7.3Y	13:15	14:30	Industry practical workshop Medical Thoracoscopy	<i>KARL STORZ SE & Co. KG</i>
Terminal 7	13:15	14:30	Industry practical workshop Portable PAP treatment 2.0: innovative technologies and connected care	<i>ResMed</i>
7.3C	17:15	19:15	Industry evening symposium Leaving a mark in asthma and COPD - Innovation Footprints in Respiratory Care	<i>Chiesi Farmaceutici S.p.A</i>
7.3K	17:15	19:15	Industry evening symposium Inflammation and Treatable Traits in COPD: How to Reconcile Strategy and Practice	<i>AstraZeneca</i>
7.3M	17:15	19:15	Industry evening symposium Anti-IL-5 treatment options for the severe eosinophilic asthma patient: Are they all the same?	<i>GSK</i>
7.3P	17:15	19:15	Industry evening symposium Priorities and preferences: Does inhaler choice make a difference in COPD?	<i>Boehringer Ingelheim International GmbH</i>
7.2A	17:30	19:00	Industry evening mini symposium The Next Step in Disease Management from an Interventional Pulmonology Perspective: Focusing on Lung Nodules and Emphysema	<i>Broncus Medical</i>
7.2B	17:30	19:00	Industry evening mini symposium Can the ESC/ERS Pulmonary Hypertension Guideline Targets be Achieved?	<i>Merck & Co, Inc.</i>
7.2D	17:30	19:00	Industry evening mini symposium Novelties in ICS nebulization treatments	<i>AstraZeneca</i>
7.3W	17:30	19:00	Industry evening expert forum Controversies in NTM lung disease - an interactive case discussion	<i>Insmad</i>
7.3X	17:30	19:00	Industry evening expert forum Protection of Patients With Chronic Respiratory Diseases and Other Comorbid Conditions Against Pneumonia: Changing Paradigms	<i>Pfizer</i>

☰ PROGRAMME DETAILED

☰ PROGRAMME DETAILED

No Room Session 2 09:30 - 10:30
Public: Press conference and opening of Healthy Lungs for Life Paris - city centre

7.3C Session 3 **08:30 - 11:00****Language session: Chinese Programme 2018: Part I**
a joint ERS / CTS session

Aims : The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine. The session will offer an overview on respiratory viral infectious disease, Pulmonary and Critical Care Medicine, HAP/VAP and non invasive ventilation in Europe and China.

Tag(s) : Clinical

Chairs : Thierry Troosters (Leuven, Belgium), Andrew Bush (London, United Kingdom), Rong-Chang Chen (Guangzhou (Guangdong), China)

08:30	Update on management of new emerging acute respiratory viral infectious diseases Nanshan Zhong (Guangzhou (Guangdong), China)	1
09:00	The role of chronic infection in respiratory diseases Eva Polverino (Barcelona, Spain)	2
09:30	Establishment of PCCM training system in China Chen Wang (Beijing, China)	3
10:00	School interventions to improve asthma control Jonathan Grigg (London, United Kingdom)	4
10:30	Break	5

7.1B Session 4 **09:00 - 11:00****Language session: Russian Speaking Programme 2018: Part I****Rare pulmonary diseases: cystic fibrosis and lymphangioleiomyomatosis (A joint ERS/RRS/ARSRM session)**

Aims : To describe different aspects of cystic fibrosis (CF) and lymphangioleiomyomatosis (LAM). These rare diseases are among the most difficult conditions in respiratory medicine in terms of their diagnosis and management.

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Elena Amelina (Moscow, Russian Federation), Isabelle Sermet-Gaudelus (Paris, France)

09:00	An assay of CF transmembrane conductance regulator function that uses primary CF intestinal organoids: shared experiences with the Russian CF centre Jeffrey M. Beekman (Utrecht, Netherlands)	6
09:25	Collaboration between the Russian National CF Patient Registry and the European CF Society Patient Registry Elena Amelina (Moscow, Russian Federation)	7
09:50	Specific features of spectrum and frequency of CFTR mutations in ethnically different populations of the Russian Federation Nataliya Kashirskaya (Moscow, Russian Federation)	8
10:15	CF: pathogenesis treatment strategies Isabelle Sermet-Gaudelus (Paris, France)	9
10:40	Break	10

7.3U Session 5 **09:00 - 17:30****Professional development: PDW1 Spirometry training programme: become a programme organiser**

Aims : To provide participants with the knowledge and tools to teach high quality spirometry, specifically to those participants who would like to train and certify participants for the European Spirometry Driving Licence Parts 1 and 2 within Europe.

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Lung function technologist, Nurse, General practitioner

Chairs : Felip Burgos Rincon (Barcelona, Spain), Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

09:00	Arrival and poster viewing: all faculty	11
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09:30	Welcome and ice-breaker Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)	12
10:00	Introduction and overview of the spirometry training programme Felip Burgos Rincon (Barcelona, Spain), Brendan Cooper (Edgbaston (Birmingham), United Kingdom)	13
10:20	Presentation and facilitation skills Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)	14
11:00	Coffee break	15
11:20	Presentation activities Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom)	16
12:30	Learning styles and overcoming resistance Vera Habes (Utrecht, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)	17
13:00	Lunch	18
13:45	Organising a European spirometry training programme Felip Burgos Rincon (Barcelona, Spain)	19
14:15	Providing effective feedback Tiuri van Rossum (Maastricht, Netherlands)	20
15:15	Break	21
16:15	Assessment of practical skills Vera Habes (Utrecht, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)	22
16:45	Final questions and summary of the day Vera Habes (Utrecht, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Odile Van Eck (Waalre, Netherlands), Tiuri van Rossum (Maastricht, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)	23

7.3Z1

Session 6

09:30 - 17:30

Postgraduate course: PG2 Thoracic ultrasound**Enhance your sonography practice beyond identification of pleural fluid**

Aims : to provide a solid theoretical framework for physicians wishing to develop their ultrasound skills; to encourage evidence-based practice where possible; to highlight the utility of thoracic ultrasound beyond identification of pleural fluid, including assessment of other thoracic structures; to show that, after suitable training, physicians can safely perform thoracic interventions (including image-guided pleural biopsies); and to provide a solid background for the thoracic ultrasound educational skills workshop.

Disease(s) : Respiratory critical care Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Nurse, Physiologist, Radiologist, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Silvia Mongodi (Pavia, Italy), Peter I. Bonta (Amsterdam, Netherlands)

09:30	The physics of ultrasound John Wrightson (Oxford, United Kingdom)	24
10:00	Thoracic ultrasound artefacts Valentina Pinelli (Brescia (BS), Italy)	25
10:30	Assessment of parenchymal abnormalities Christian B. Laursen (Odense, Denmark)	26
11:00	Break	27

11:30	Pneumothorax John Corcoran (Oxford, United Kingdom)	28
12:00	Group assignment John Wrightson (Oxford, United Kingdom), Valentina Pinelli (Brescia (BS), Italy), Christian B. Laursen (Odense, Denmark), John Corcoran (Oxford, United Kingdom)	29
13:00	Lunch	30
14:00	Pleural effusions and thickening Najib M. Rahman (Oxford, United Kingdom)	31
14:30	Basic echocardiography, vascular structures and volume status Peter Juhl-Olsen (Aarhus N, Denmark)	32
15:00	Diaphragm assessment John Wrightson (Oxford, United Kingdom)	33
15:30	Break	34
16:00	Advanced interventions Ioannis Psallidas (Oxford, United Kingdom)	35
16:30	Group assignment Najib M. Rahman (Oxford, United Kingdom), Peter Juhl-Olsen (Aarhus N, Denmark), John Wrightson (Oxford, United Kingdom), Ioannis Psallidas (Oxford, United Kingdom)	36

7.3B Session 7 09:30 - 13:00

Postgraduate course: PG5 Noninvasive ventilation - pitfalls and challenges

Aims : to highlight the problems in acute and chronic noninvasive ventilation (NIV) that lead to poor compliance and ineffective treatment, and to offer strategies that can overcome these issues.

Disease(s) : [Respiratory critical care](#)

Method(s) : General respiratory patient care Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Nurse, Patient, Trainee, Adult pulmonologist/Clinician

Chairs : Jan Storre (Gauting, Germany), Federico Longhini (Borgomanero, Italy), Nicholas Hart (London, United Kingdom)

09:30	Problems and non-adherence to NIV in intensive care Nicholas Hart (London, United Kingdom)	37
10:00	The mask and beyond - other technical issues Dominic Dellweg (Schmallenberg Grafschaft, Germany)	38
10:30	Group assignment Nicholas Hart (London, United Kingdom), Dominic Dellweg (Schmallenberg Grafschaft, Germany)	39
11:00	Break	40
11:30	Problems related to pressure levels and what to do Patrick B. Murphy (Oxted (Surrey), United Kingdom)	41
12:00	Poor compliance in chronic care - not only the mask issue Marieke L. Duiverman (Groningen, Netherlands)	42
12:30	Group assignment Patrick B. Murphy (Oxted (Surrey), United Kingdom), Marieke L. Duiverman (Groningen, Netherlands)	43

7.3Z2 Session 8 09:30 - 17:30

Postgraduate course: PG1 Asthma and chronic obstructive pulmonary disease

Aims : to discuss the problems associated with chronic obstructive lung diseases (COPDs) based on experience and the published literature.

Disease(s) : Airway diseases**Method(s) :** Physiology**Tag(s) :** Clinical**Target audience :** Allergist, General practitioner, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Karin C. Lodrup Carlsen (Oslo, Norway), Pierre-Régis Burgel (Sorbonne Paris Cité, France)

09:30	Defining asthma and COPD: differential diagnosis Anne Lindberg (Boden, Sweden)	44
10:00	Monitoring asthma - state-of-the-art physiological, imaging and biomarker assessments Omar S. Usmani (London, United Kingdom)	45
10:30	Monitoring COPD - state-of-the-art physiological, imaging and biomarker assessments Roland Buhl (Mainz, Germany)	46
11:00	Break	47
11:30	Group assignment Anne Lindberg (Boden, Sweden), Omar S. Usmani (London, United Kingdom), Roland Buhl (Mainz, Germany)	48
12:30	Asthma phenotypes and endotypes Michael Peters (San Francisco, United States of America)	49
13:00	Lunch	50
14:00	COPD phenotypes and endotypes Alberto Papi (Ferrara, Italy)	51
14:30	Group assignment Alberto Papi (Ferrara, Italy), Michael Peters (San Francisco, United States of America)	52
15:15	Break	53
15:45	Exacerbations of asthma and treatment Renaud Louis (Liège, Belgium)	54
16:15	Exacerbations of COPD and treatment Norbert Krug (Hannover, Germany)	55
16:45	Group assignment Norbert Krug (Hannover, Germany), Renaud Louis (Liège, Belgium)	56

7.3K Session 9 09:30 - 13:00**Postgraduate course: PG4 Imaging of the chest****A concise overview**

Aims : To provide a review of the various patterns on (high-resolution) computed tomography (CT) chest, of positron emission tomography (PET)/CT, of magnetic resonance imaging (MRI) as well as ultrasound in imaging of various lung diseases; and to provide basic guidelines for the differential diagnosis of and an algorithmic approach to various lung and pleura pathologies on the basis of clinical history and distribution as well as the presence of associated abnormalities.

Disease(s) : Interstitial lung diseases Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Respiratory intensive care Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Pathologist, Physiologist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Laura Fregonese (London, United Kingdom), Aleksandar Grgic (Homburg, Germany)

09:30	CT and interstitial lung disease Sara Piciocchi (Forlì, Italy)	57
10:00	Group assignment Sara Piciocchi (Forlì, Italy)	58

10:15	PET/CT of lung cancer Aleksandar Grgic (Homburg, Germany)	59
10:45	Group assignment Aleksandar Grgic (Homburg, Germany)	60
11:00	Break	61
11:30	Role of MRI in thoracic imaging Helmut Prosch (Vienna, Austria)	62
12:00	Group assignment Helmut Prosch (Vienna, Austria)	63
12:15	Imaging of the pleura - how can thoracic ultrasound, CT and PET assist the chest physician Rahul Bhatnagar (Bristol, United Kingdom)	64
12:45	Group assignment Rahul Bhatnagar (Bristol, United Kingdom)	65

7.3Q Session 10 09:30 - 13:00

Postgraduate course: PG7 Sleep-disordered breathing - diagnosis and therapy

Aims : to increase awareness of the different clinical entities that relate to sleep-disordered breathing and the tools that can be used to screen for and diagnose sleep-disordered breathing; and to provide insights into the consequences of sleep-disordered breathing and its treatment modalities.

Disease(s) : Sleep and breathing disorders

Tag(s) : Clinical

Target audience : General practitioner, Lung function technologist, Adult pulmonologist/Clinician, Scientist (basic, translational), Trainee

Chairs : Juan Fernando Masa Jiménez (Cáceres, Spain), Winfried J. Randerath (Solingen, Germany)

09:30	Diagnosis and treatment of sleep-disordered breathing - the patient's point of view Piet-Heijn van Mechelen (Heemstede, Netherlands)	66
09:45	Diagnosis of sleep-related breathing disorders and definition of hypopnoea and obstructive sleep apnoea severity Sophia E. Schiza (Heraklion, Greece)	67
10:11	Group assignment Sophia E. Schiza (Heraklion, Greece)	68
10:26	Sleep apnoea and hypoventilation syndromes - cardiometabolic consequences Dries Testelmans (Leuven, Belgium)	69
10:52	Group assignment Dries Testelmans (Leuven, Belgium)	70
11:07	Break	71
11:37	Sleep apnoea - management and therapies Jean-Louis Pépin (Grenoble, France)	72
12:03	Group assignment Jean-Louis Pépin (Grenoble, France)	73
12:18	Hypoventilation syndromes - management and therapies Jean Christian Borel (Meylan, France)	74
12:44	Group assignment Jean Christian Borel (Meylan, France)	75

7.3M Session 11 09:30 - 13:00

Postgraduate course: PG8 Lung function testing

Techniques, performance and implications for lung disease

Aims : to provide an update on the current techniques for measuring lung physiology. The results of these techniques and their implications in terms of lung disease will be discussed as well as how these techniques are performed.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Aisling McGowan (Dublin, Ireland), Andrea Aliverti (Milan, Italy)

09:30	Spirometry and body plethysmography Bruce Thompson (Melbourne, Australia)	76
10:00	Group assignment Bruce Thompson (Melbourne, Australia)	77
10:15	Forced oscillation technique Zoltán Hantos (Deszk, Hungary)	78
10:45	Group assignment Zoltán Hantos (Deszk, Hungary)	79
11:00	Break	80
11:30	Multi-breath washout Sylvia Verbanck (Brussels, Belgium)	81
12:00	Group assignment Sylvia Verbanck (Brussels, Belgium)	82
12:15	Exhaled nitric oxide Paolo Paredi (London, United Kingdom)	83
12:45	Group assignment Paolo Paredi (London, United Kingdom)	84

7.30 Session 12 09:30 - 13:00

Postgraduate course: PG6 Bronchoscopy in pulmonary emergencies

Aims : to describe the clinical applications and risks of bronchoscopy in the main pulmonary emergencies, both inside and outside the intensive care unit.

Disease(s) : Interstitial lung diseases Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Adult pulmonologist/Clinician

Chairs : Lieuwe Bos (Amsterdam, Netherlands), Maren Schuhmann (Heidelberg, Germany)

09:30	Bronchoscopic strategies in life-threatening bleeding Prashant Nemichand Chhajed (Mumbai, India)	85
10:00	Bronchoscopy as a guide to managing difficult airways in the intensive care unit Massimiliano Sorbello (Catania, Italy)	86
10:30	Usefulness of bronchoscopy in acute interstitial lung diseases Katerina Antoniou (Heraklion, Greece)	87
11:00	Break	88
11:30	Pitfalls of bronchoscopy in non-ventilated patients Raffaele Scala (Arezzo, Italy)	89
12:00	Group assignment Prashant Nemichand Chhajed (Mumbai, India), Massimiliano Sorbello (Catania, Italy), Raffaele Scala (Arezzo, Italy), Katerina Antoniou (Heraklion, Greece)	90

7.3L Session 13 09:30 - 13:00**Postgraduate course: PG9 Chronic obstructive pulmonary disease exacerbations**

Aims : to provide an update on chronic obstructive pulmonary disease (COPD) exacerbation phenotypes and the prospects for personalised treatment.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Patient, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jadwiga Wedzicha (London, United Kingdom), Alexander Mathioudakis (Manchester, United Kingdom)

09:30	COPD exacerbation - the search for a respiratory “troponin” Wim Janssens (Leuven, Belgium)	91
10:00	Group assignment Wim Janssens (Leuven, Belgium)	92
10:15	Bacterial infection and COPD - cause or effect? Aran Singanayagam (London, United Kingdom)	93
10:45	Group assignment Aran Singanayagam (London, United Kingdom)	94
11:00	Break	95
11:30	It is more than just the common cold - the role of viruses in COPD exacerbations Anastasia Hutchinson (Melbourne, Australia)	96
12:00	Group assignment Anastasia Hutchinson (Melbourne, Australia)	97
12:15	Prevention and treatment of COPD exacerbations Maarten van den Berge (Groningen, Netherlands)	98
12:45	Group assignment Maarten van den Berge (Groningen, Netherlands)	99

Terminal 7 Session 14 09:30 - 11:30**Session: Primary Care Programme 2018: Part I**

Getting the basics right: a new look at core issues (part I: a new look at healthcare for long-term conditions)

Aims : This primary care programme will take a new look at some of the core elements of the management of people with long-term respiratory disease.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Rianne van der Kleij (Leiden, Netherlands)

09:30	Primary healthcare that is fit for the 21st century David Darmon (Nice, France)	100
10:00	Developing partnerships with patients Isabel Saraiva (Cascais, Portugal)	101
10:15	A new look at asthma self-management Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)	102
10:45	Improving the quality of the air we breathe Jeroen Douwes (Wellington, New Zealand)	103
11:15	Break	104

7.3J Session 15 **09:30 - 13:00****Postgraduate course: PG10 Cystic fibrosis: Basic defects and clinical problems in children**

Aims : to update both paediatric and adult professionals involved in cystic fibrosis (CF) care on the recent advances in many important aspects of CF in children; including screening, treatment, respiratory exacerbations and management of gastrointestinal problems in CF patients.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Nicolas Regamey (Lucerne, Switzerland), Lutz Naehrlich (Erlangen, Germany)

09:30	Newborn screening for cystic fibrosis - lessons from national programmes in Europe Jürg Barben (St. Gallen, Switzerland)	105
10:00	Group assignment Jürg Barben (St. Gallen, Switzerland)	107
10:15	Cystic fibrosis microbiology, emerging pathogens and more treatment options Alan Smyth (Nottingham (Nottinghamshire), United Kingdom)	106
10:45	Group assignment Alan Smyth (Nottingham (Nottinghamshire), United Kingdom)	
11:00	Break	108
11:30	Respiratory exacerbations - definitions and therapy Patrick Flume (Charleston, United States of America)	109
12:00	Group assignment Patrick Flume (Charleston, United States of America)	
12:15	Update on gastrointestinal and nutritional issues Anne Munck (Paris, France)	110
12:45	Group assignment Anne Munck (Paris, France)	111

7.3S Session 16 **09:30 - 13:00****Postgraduate course: PG11 Modern approaches in lung cancer diagnostics and therapy**

Aims : To provide a comprehensive update of modern lung cancer care standards illustrated with educational case reports and rewarding group tasks

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Physiology Pulmonary function testing Surgery Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Pathologist, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Matthew Evison (Manchester, United Kingdom), Torsten Gerriet Blum (Berlin, Germany)

09:30	Multimodal imaging approaches in suspected and confirmed lung cancer Johan Coolen (Leuven, Belgium)	112
10:00	Group assignment Johan Coolen (Leuven, Belgium)	113
10:15	Modern molecular lung cancer diagnostics – how to use and interpret it wisely Joanna Chorostowska-Wynimko (Warsaw, Poland)	114
10:45	Group assignment Joanna Chorostowska-Wynimko (Warsaw, Poland)	115
11:00	Break	116

11:30	Innovative local therapies in lung cancer Gilbert Massard (Strasbourg, France)	117
12:00	Group assignment Gilbert Massard (Strasbourg, France)	118
12:15	Innovative systemic lung cancer therapies Otto Chris Burghuber (Vienna, Austria)	119
12:45	Group assignment Otto Chris Burghuber (Vienna, Austria)	120

7.3R Session 17 09:30 - 17:30

Postgraduate course: PG3 How to plan for and manage a respiratory epidemic/pandemic PREPARE EU-funded project, organised in conjunction with ECDC and ISARIC

Aims : To give the multidisciplinary team managing a respiratory epidemic or pandemic an educational update on the topic, tools for planning and management, and then enable them to participate in an escalating pandemic scenario to improve their skills and communication. To reflect on how plans can be individualised to participants' countries, and how management may change depending on the organism and population involved. To explore lessons learnt from the current influenza epidemic.

Disease(s) : Respiratory infections

Tag(s) : Clinical, Translational

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Pathologist, Patient, Policy maker, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Anita Simonds (London, United Kingdom), Pasi Penttinen (Stockholm, Sweden)

	Break	121
09:30	Update on respiratory virus research and clinical care including influenza outbreak 2017-18, SARS, MERS and other respiratory pathogens Pieter Fraaij (Rotterdam, Netherlands)	122
10:15	Intensive care aspects of pandemic management including research Lennie P. G. Derde (Utrecht, Netherlands)	123
11:00	Break	124
11:15	Preparing a pandemic plan for your hospital Pasi Penttinen (Stockholm, Sweden)	125
12:00	Communication skills when managing a pandemic Kajsa-Stina Longuère (Oxford (Oxfordshire), United Kingdom)	126
12:45	Lunch	127
13:30	How to research during an acute respiratory pandemic: incorporating patients into trial design and ethical aspects Nina Gobat (Cardiff, United Kingdom)	128
14:00	Practical exercise: respiratory pandemic scenario (ISARIC/ERS) Pieter Fraaij (Rotterdam, Netherlands), Louise Sigfrid (Brighton (East Sussex), United Kingdom), Lennie P. G. Derde (Utrecht, Netherlands), Anita Simonds (London, United Kingdom)	129
17:00	Constructive feedback and lessons learned from scenario Louise Sigfrid (Brighton (East Sussex), United Kingdom), Nina Gobat (Cardiff, United Kingdom), Anita Simonds (London, United Kingdom), Pieter Fraaij (Rotterdam, Netherlands)	130

7.3P Session 18 10:30 - 17:30

Patient: ELF Patient organisation networking day

11:30	Welcome to ELF Day Isabel Saraiva (Cascais, Portugal), Speaker to be confirmed	131
12:00	Keynote presentation: The Montreal Model of Patient Partnership (Annie Descoteaux, Center of Excellence on Partnership with Patients and Public, Faculty of Medicine, University of Montreal)	132

12:45	Patient Organisation Posters	133
14:05	Patient education and ERS: presentation and discussion Daiana Stolz (Basel, Switzerland)	134
14:45	Innovative collaborations in medical and patient education	135
15:05	Open forum discussions	136
16:05	Group discussions and feedback	137

7.1B Session 19 11:00 - 13:00

Language session: Russian Speaking Programme 2018: Part II

Rare pulmonary diseases: cystic fibrosis and lymphangiomyomatosis (A joint ERS/RRS/ARSRM session)

Aims : To describe different aspects of cystic fibrosis (CF) and lymphangiomyomatosis (LAM). These rare diseases are among the most difficult conditions in respiratory medicine in terms of their diagnosis and management.

Tag(s) : Clinical

Chairs : Elena Davidovskaya (, Belarus), Andrey Belevskiy (Moscow, Russian Federation)

11:00	Modern concept of sporadic LAM pathogenesis Sergio Harari (Milano (MI), Italy)	138
11:30	Clinical experience of LAM patients who were managed in the Russian Federation Alexander G. Chuchalin (Moscow, Russian Federation)	139
12:00	Russian experiences in lung transplantation in CF and LAM patients Natalya Karchevskaya (Moscow, Russian Federation)	140
12:30	Non-invasive diagnosis of lymphangiomyomatosis: new biomarkers Lisa Young (Nashville, United States of America)	141

7.3C Session 20 11:00 - 13:00

Language session: Chinese Programme 2018: Part II

a joint ERS / CTS session

Aims : The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine. The session will offer an overview on respiratory viral infectious disease, Pulmonary and Critical Care Medicine, HAP/VAP and non invasive ventilation in Europe and China.

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Guy F Joos (Ghent, Belgium), Rong-Chang Chen (Guangzhou (Guangdong), China)

11:00	The Chinese New Guideline on HAP/VAP Jieming Qu (Shanghai, China)	142
11:30	HAP/VAP : new guidelines, new approaches Francesco Blasi (Milan, Italy)	143
12:00	Recent advance in home noninvasive mechanical ventilation in China Rong-Chang Chen (Guangzhou (Guangdong), China)	144
12:30	Is there still a role for NIV in acute hypoxemic failure? Leo M.A. Heunks (Amsterdam, Netherlands)	145

Terminal 7 Session 21 11:30 - 13:00

Session: Primary Care Programme 2018: Part II

Getting the basics right: a new look at core issues (part II: a new look at the basics)

Aims : This primary care programme will take a new look at some of the core elements of the management of people with long-term respiratory disease.

Disease(s) : Airway diseases Paediatric respiratory diseases**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Policy maker, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Miguel Román Rodríguez (Palma De Mallorca, Spain), Rachel Jordan (Birmingham (West Midlands), United Kingdom)

11:30	Increasing the accuracy of asthma diagnosis Luke Daines (Edinburgh (Edinburgh), United Kingdom)	146
12:00	The challenge of new inhalers Janwillem W. H. Kocks (Groningen, Netherlands)	147
12:30	Breathlessness and a practical strategy for relieving symptoms Mike Thomas (Southampton (Hampshire), United Kingdom)	148

7.3N Session 22 13:00 - 16:00

HERMES examination: ERS HERMES Examinations in Adult and Paediatric Respiratory Medicine

7.1B Session 23 14:00 - 15:45

Language session: French Programme 2018: Part I

A joint ERS/SPLF session

Aims : To provide French-speaking delegates with state of the art updates on key topics in respiratory medicine. Note that the presentations will be conducted in French and French and English versions of the slides will be projected simultaneously.**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Physiologist, Scientist (basic, translational), Paediatrician, Pathologist, Student, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician**Chairs :** Nicolas Roche (Paris, France), Guy Brusselle (Ghent, Belgium)

14:00	Follow-up of resected bronchial carcinoma / Surveillance des cancers bronchiques opérés Virginie Westeel (Besançon, France)	149
14:26	Yield of cohorts in the bronchial diseases / Apport des cohortes dans la connaissance des maladies respiratoires/bronchiques Chantal Raheison-Semjen (Pessac, France)	150
14:52	Asthma phenotypes in children: what is the impact at adult age? / Les phénotypes de l'asthme de l'enfant : quel impact à l'âge adulte ? Jocelyne Just (Paris, France)	151
15:18	Big data applied to sleep / Les big-data appliqués au sommeil Jean-Louis Pépin (Grenoble, France)	152

7.3C Session 24 14:00 - 16:00

Language session: Spanish and Portuguese Programme 2018: Part I

a joint ERS / ALAT / SBPT / SEPAR / SPP session

Aims : Human migration will be a defining feature of the present era. Migration is a complex phenomenon that shapes multiple economic, social and security aspects of our daily lives in this increasingly interconnected world. While some migration is driven by negative circumstances such as conflicts, persecution, environmental degradation and lack of security and opportunity, another key motivation is that it can significantly improve people's lives: after migrants from the poorest countries move to a developed country, their incomes improve by 15-fold and their child mortality rates drop by 16-fold. This has increased illegal migration to and the influx of refugees in developed countries. Consequently, illegal migration and refugees are increasingly being seen as high-priority policy issues by the public and many governments and throughout the world. With regard to public health, the referral populations of migrants and refugees often have high infectious disease burdens. Thus, the control of infectious diseases, in particular tuberculosis, in migrants should be a top priority for the foreseeable future. Note that the presentations will be conducted in Portuguese or Spanish and in English. Spanish/Portuguese and English versions of the slides will be projected simultaneously.

Tag(s) : Clinical**Target audience** : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Carlos Andres Jimenez Ruiz (Madrid, Spain), Gustavo Zabert (Neuquén, Argentina)

14:00	Tuberculosis in a migrating world Adrian Rendon (Monterrey, Mexico)	153
14:30	Drug-resistant tuberculosis in Europe Jose Antonio Caminero Luna (Las Palmas de Gran Canaria, Spain)	154
15:00	Panel discussion	155
15:30	Break	156

7.3B Session 25 14:00 - 17:30

Postgraduate course: PG15 Challenging issues in acute interstitial lung diseases

Aims : to describe the pathobiological basis, imaging features, diagnostic work-up and ventilatory and non-ventilatory therapeutic strategies in patients with acute interstitial lung diseases (ILDs) who are admitted to the intensive care unit.**Disease(s)** : **Interstitial lung diseases** **Respiratory critical care****Method(s)** : Cell and molecular biology Endoscopy and interventional pulmonology Respiratory intensive care**Tag(s)** : Clinical**Target audience** : Critical/Intensive care physician, Scientist (basic, translational), Adult pulmonologist/Clinician**Chairs** : António Morais (Maia, Portugal), Raffaele Scala (Arezzo, Italy)

14:00	Biological and pathological basis of acute ILDs Philipp A. Schnabel (Homburg (Saar), Germany)	157
14:30	Group assignment Philipp A. Schnabel (Homburg (Saar), Germany)	158
14:45	Imaging in acute ILDs Gilbert R Ferretti (Grenoble, France)	159
15:15	Group assignment Gilbert R Ferretti (Grenoble, France)	160
15:30	Break	161
16:00	Diagnostic work-up and treatment of patients with acute ILDs Sara Tomassetti (Forli, Italy)	162
16:30	Group assignment Sara Tomassetti (Forli, Italy)	163
16:45	Mechanical ventilation and beyond in acute ILDs Philipp Lepper (Homburg (Saar), Germany)	164
17:15	Group assignment Philipp Lepper (Homburg (Saar), Germany)	165

7.3K Session 26 14:00 - 17:30

Postgraduate course: PG12 Interventional pulmonology

Aims : to discuss the major indications for diagnostic and therapeutic interventions in interventional pulmonology; and to present not only the rationale for the intervention, based on key study data, but also the actual performance and “tips and tricks” for daily practice.**Disease(s)** : **Interstitial lung diseases** **Thoracic oncology****Method(s)** : Endoscopy and interventional pulmonology Imaging**Tag(s)** : Clinical**Target audience** : Clinical researcher, Pathologist, Patient, Thoracic oncologist, Trainee, Adult pulmonologist/Clinician**Chairs** : Jouke T. Annema (Amsterdam, Netherlands), Prashant Nemichand Chhajed (Mumbai, India)

14:00	Transthoracic ultrasound and thoracoscopy Michela Bezzi (Firenze (FI), Italy)	166
14:30	Group assignment Michela Bezzi (Firenze (FI), Italy)	167
14:45	Endosonography Christophe Doods (Leuven, Belgium)	168
15:15	Group assignment Christophe Doods (Leuven, Belgium)	169
15:30	Break	170
16:00	Endoscopic lung volume reduction Dirk-Jan Slebos (Groningen, Netherlands)	171
16:30	Group assignment Dirk-Jan Slebos (Groningen, Netherlands)	172
16:45	Cryobiopsy Jürgen Hetzel (Tuebingen, Germany)	173
17:15	Group assignment Jürgen Hetzel (Tuebingen, Germany)	174

7.3Q Session 27 14:00 - 17:30

Postgraduate course: PG14 The evolving world of pulmonary rehabilitation

Aims : to provide a better understanding about the role of pulmonary rehabilitation in the integrated continuous care of patients with chronic lung disease who live in industrialised or developing countries; and to discuss in depth the most optimal pulmonary rehabilitation setting

Disease(s) : [Airway diseases](#)

Method(s) : General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Nurse, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Samuel Vergès (Grenoble, France), Jana De Brandt (Diepenbeek, Belgium)

14:00	The clear evidence for pulmonary rehabilitation in chronic lung disease - a review of the most important randomised controlled trials Claire M. Nolan (London, United Kingdom)	175
14:30	The optimal setting for pulmonary rehabilitation - inpatient vs. outpatient vs. home-based Alda Sofia Pires De Dias Marques (Aveiro, Portugal)	176
15:00	Group assignment Claire M. Nolan (London, United Kingdom), Alda Sofia Pires De Dias Marques (Aveiro, Portugal)	177
15:30	Break	178
16:00	The challenges associated with setting up pulmonary rehabilitation programmes in developing countries Rupert Jones (Milton Combe, United Kingdom)	179
16:30	Making pulmonary rehabilitation a part of an integrated respiratory care Emiel F. M. Wouters (Maastricht, Netherlands)	180
17:00	Group assignment Rupert Jones (Milton Combe, United Kingdom), Emiel F. M. Wouters (Maastricht, Netherlands)	181

7.3M Session 28 14:00 - 17:30

Postgraduate course: PG16 Advanced cardiopulmonary exercise testing

Cardiopulmonary exercise testing in health and respiratory disease

Aims : to understand the physiological constraints of exercise tolerance and its application in clinical practice; to appreciate the optimal methods for testing lung mechanics and spirometry; to understand the different formats of exercise tests, their advantages and disadvantages, and their different prognostic values in adults and children; and to appreciate the usefulness of exercise testing for evaluating pharmacological and non-pharmacological interventions in clinical practice.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Enrico Lombardi (Florence, Italy), Isabelle Vivodtzev (Cambridge, United States of America)

14:00	Pulmonary gas exchange response to exercise in health and disease Paolo Palange (Rome, Italy)	182
14:30	Respiratory mechanics and exertional dyspnoea in health and disease Denis O'Donnell (Kingston (ON), Canada)	183
15:00	Group assignment Paolo Palange (Rome, Italy), Denis O'Donnell (Kingston (ON), Canada)	184
15:30	Break	185
16:00	The prognostic role of cardiopulmonary exercise testing in disease Pierantonio Laveneziana (Paris Cedex 13, France)	186
16:30	Exercise testing in children with respiratory diseases Tim Takken (Utrecht, Netherlands)	187
17:00	Group assignment Pierantonio Laveneziana (Paris Cedex 13, France), Tim Takken (Utrecht, Netherlands)	188

7.30 Session 29 14:00 - 17:30

Postgraduate course: PG17 Asthma phenotyping

Therapeutic implications

Aims : to present the innovations in asthma stratification that facilitate personalised therapeutic strategies; to highlight the importance of stratifying asthma patients for selecting the correct therapeutic approaches; to explain the importance of both clinical and biomarker assessment in patient stratification; and to indicate the value of molecular stratification for understanding disease-driving mechanisms and how this may translate to new therapies, particularly for non-Type 2 (T2) asthma.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Physiology

Tag(s) : Basic science

Target audience : Allergist, General practitioner, Lung function technologist, Pathologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Antonio Spanevello (Milan, Italy), Ian M. Adcock (London, United Kingdom)

14:00	The need for asthma phenotyping Sejal Saglani (London, United Kingdom)	189
14:30	Biomarker-high patients and steroid responsiveness Peter Gibson (Newcastle, Australia)	190
15:00	Group assignment Sejal Saglani (London, United Kingdom), Peter Gibson (Newcastle, Australia)	191
15:30	Break	192
16:00	Unbiased approaches to asthma stratification - the road to novel therapies Peter J. Sterk (Amsterdam, Netherlands)	193
16:30	Patient stratification and targeted drug therapy - T2 asthma and beyond Parameswaran Nair (Hamilton (ON), Canada)	194
17:00	Group assignment Peter J. Sterk (Amsterdam, Netherlands), Parameswaran Nair (Hamilton (ON), Canada)	195

7.3L **Session 30** **14:00 - 17:30****Postgraduate course: PG13 Challenges in the treatment of tuberculosis**

Aims : To help clinicians to confidently manage all tuberculosis patients with the aim of achieving tuberculosis elimination in Europe and elsewhere; to help clinicians treat tuberculosis in patients with whom failure of treatment or adherence could result in drug resistance; and to address concerns regarding heart rate-corrected QT interval (QTc) prolongation with current second-line drugs.

Disease(s) : Respiratory infections

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Paediatrician, Trainee, Adult pulmonologist/Clinician

Chairs : Jan Heyckendorf (Hamburg, Germany), Raquel Duarte (Porto, Portugal)

14:00	Diagnosing and treating paediatric tuberculosis infections Folke Brinkmann (Hannover, Germany)	196
14:30	Treating multiple-drug resistant tuberculosis Lorenzo Guglielmetti (Paris, France)	197
15:00	Patient testimonial Lacramioara Vinogradof (Moreni, Romania)	
15:10	Treating tuberculosis in patients with comorbidities Rob van Hest (Groningen, Netherlands)	198
15:40	Break	199
16:10	Treating acute complications and the severely ill patient with tuberculosis Guy Hagan (Solihull, United Kingdom)	200
16:40	Group assignment Folke Brinkmann (Hannover, Germany), Lorenzo Guglielmetti (Paris, France), Rob van Hest (Groningen, Netherlands), Guy Hagan (Solihull, United Kingdom)	201

7.3J **Session 31** **14:00 - 17:30****Postgraduate course: PG18 Cystic fibrosis: management in adult patients**

Aims : to update both paediatric and adult professionals involved in cystic fibrosis (CF) care on the recent advances in many important aspects of CF; to describe the latest knowledge about CF transmembrane conductance regulator (CFTR) dysfunction in CF and how this influences the different organs and leads to new treatments modalities; and to address the special needs caused by CF as an adult disease, namely, the transition of adolescents into adult care, fertility and end-of-life issues.

Disease(s) : Paediatric respiratory diseases

Method(s) : Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Nicholas Simmonds (London, United Kingdom), Carsten Schwarz (Berlin, Germany)

14:00	The ageing cystic fibrosis patient Alex Horsley (Manchester, United Kingdom)	202
14:30	Caring for end-stage disease and lung transplantation Christian Benden (Zürich, Switzerland)	203
15:00	Group assignment Alex Horsley (Manchester, United Kingdom), Christian Benden (Zürich, Switzerland)	204
15:40	Break	205
16:00	CFTR dysfunction and its specific treatment Jane C. Davies (London, United Kingdom)	206
16:30	Fertility in adult cystic fibrosis Jessica Maetz (Paris, France), Michal Shteinberg (Haifa, Israel)	207

17:10	Group assignment Jane C. Davies (London, United Kingdom), Michal Shteinberg (Haifa, Israel)	208
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7.3S Session 32 14:00 - 17:30

Postgraduate course: PG19 Heart-lung interaction

What the chest physician has to know

Aims : to describe the diagnosis and treatment of heart failure and coronary artery disease; to delineate how lung disease hinders the diagnostic process, including physical examination, biomarkers, chest X ray and echocardiography; to discuss the duration of treatment following unprovoked pulmonary embolism, the need to pause anticoagulation before invasive procedures, and the management of bleeding given that new oral anticoagulation has changed, improved and complicated the treatment of acute and chronic pulmonary embolism.

Disease(s) : **Airway diseases** **Pulmonary vascular diseases**

Method(s) : General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Patient, Physiologist, Scientist (basic, translational), Student, Trainee

Chairs : Lies Lahousse (Ghent, Belgium), Leonardo Michele Fabbri (Modena, Italy)

14:00	Chronic obstructive pulmonary disease - cardiovascular sequel of bronchodilation? Ian Stone (London, United Kingdom)	209
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14:30	Heart failure and coronary artery disease in lung disease Stefan Andreas (Immenhausen, Germany)	210
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15:00	Group assignment Ian Stone (London, United Kingdom), Stefan Andreas (Immenhausen, Germany)	211
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15:30	Break	212
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16:00	Diagnosing pulmonary embolism in lung disease Horst Olschewski (Graz, Austria)	213
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16:30	Anticoagulation in acute and chronic pulmonary embolism and atrial fibrillation Mareike Lankeit (Mainz, Germany)	214
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17:00	Group assignment Horst Olschewski (Graz, Austria), Mareike Lankeit (Mainz, Germany)	215
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7.1B Session 33 15:45 - 17:30

Language session: French Programme 2018: Part II

A joint ERS/SPLF session

Aims : To provide French-speaking delegates with state of the art updates on key topics in respiratory medicine. Note that the presentations will be conducted in French and French and English versions of the slides will be projected simultaneously.

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Paediatrician, Pathologist, Physiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Anh Tuan Dinh-Xuan (Paris, France), Mina Gaga (Athens, Greece)

15:45	Atmospheric air pollution: results from interventional studies / Pollution atmosphérique: les données des études interventionnelles Isabella Annesi Maesano (Paris, France)	216
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16:11	Thrombo-embolic pulmonary hypertension: which treatment should we choose? / Hypertension pulmonaire thrombo-embolique: quel traitement choisir ? Xavier Jais (Le Kremlin-Bicêtre, France)	217
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16:37	Smoking cessation and COPD / Sevrage tabagique et BPCO Myrna Waked (Beyrouth, Lebanon)	218
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17:03	Anti-tuberculosis drugs : what is new? / Nouveaux médicaments antituberculeux: quoi de neuf ? Giovanni Battista Migliori (Varese (VA), Italy)	219
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7.3C **Session 34** **16:00 - 17:30****Language session: Spanish and Portuguese Programme 2018: Part II**

A joint ERS/ALAT/SBPT/SEPAR/SPP session

Aims : To describe ventilation strategies in neurovascular disease and the non-invasive ventilation network in Portugal. Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.**Tag(s) :** Clinical**Chairs :** Venceslau José Coelho Pinto Hespanhol (Porto, Portugal), Fernando Luiz Cavalcanti Lundgren (Recife (PE), Brazil)

16:00	Mechanical ventilation in patients with neuromuscular diseases Marcelo Alcântara Holanda (Fortaleza (CE), Brazil)	220
16:30	The non-invasive ventilation network in Portugal Maria José Araújo Cunha Guimarães (Palmeira – Stº Tirso, Portugal)	221
17:00	Panel discussion	222

No Room **Session 35** **17:00 - 19:00**

Game Zone: GAME ZONE - TRAINING

7.3M **Session 37** **07:00 - 08:15****Challenging clinical cases: CC1 Lung transplantation**

Aims : To discuss problems in the pre-transplant setting and post-transplant care based on real case reports where lung transplantation is challenging due to possible relative contraindications.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery Transplantation

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Nurse, Paediatrician, Pathologist, Physiotherapist, Radiologist, Scientist (basic, translational), Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Federica Meloni (Pavia (PV), Italy)

A patient with cystic fibrosis and Mycobacterium abscessus infection 223
Christian Benden (Zürich, Switzerland)

A diagnosis of restrictive allograft syndrome is made - how to deal with this patient? 224
Jens Gottlieb (Hannover, Germany)

7.2D **Session 38** **07:00 - 08:15****Challenging clinical cases: CC2 Broad spectrum of chronic thromboembolic pulmonary hypertension**

Aims : To discuss the potential pitfalls associated with chronic thromboembolic pulmonary hypertension (CTEPH) differential diagnosis; to explain the increased complexity of the management, including the combination of the multiple therapeutical options currently available.

Disease(s) : Pulmonary vascular diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Student, Trainee, Thoracic surgeon

Chairs : Joanna Pepke-Zaba (Cambridge (Cambridgeshire), United Kingdom)

Not always what it seems - pitfalls on CTEPH diagnosis 225
Nick Kim (La Jolla, United States of America)

Combining therapeutical options in CTEPH 226
Eckhard Mayer (Bad Nauheim, Germany)

Primary pulmonary choriocarcinoma mimicking chronic thromboembolic pulmonary hypertension 227
Tomás Pulido Zamudio (México D.F, Mexico)

Chronic Thromboembolic Pulmonary Hypertension related to ICD 228
Margarida Baptista Duarte Barata (Lisboa, Portugal)

Treatment of Chronic Thromboembolic Pulmonary Hypertension: A new approach 229
Margarida Baptista Duarte Barata (Lisboa, Portugal)

7.3T **Session 39** **08:00 - 10:20****Skills workshop: SW4 Endoscopy****Hands-on workshop on endoscopic technologies**

Aims : to present and demonstrate the current and upcoming technologies in endoscopy.

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Felix J.F. Herth (Heidelberg, Germany)

Introduction 230

Endobronchial valve placement 231
Sebastian Fernandez Bussy (Santiago, Chile)

Paediatric bronchoscopy Raffaella Nenna (Rome, Italy)	232
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Cryobiopsy Alexander Chen (St. Louis, United States of America)	233
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Endobronchial ultrasound with transbronchial needle aspiration Mark Krasnik (Hellerup, Denmark)	234
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7.3V Session 40 08:00 - 10:20

Skills workshop: SW1 Body plethysmography

Aims : to help attendees gain the technical expertise and physiological knowledge needed to perform full body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the system setup, quality control and calibration; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Nurse, Paediatrician, Physiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jellien Makonga-Braaksma (Woudenberg, Netherlands)

Introduction	235
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Calibration, quality control and system settings Maureen P. Swanney (Christchurch, New Zealand)	236
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Technical aspects of body plethysmography Kevin De Soomer (Burcht, Belgium)	237
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Standardisation of test performance Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)	238
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Reporting and interpretation of case studies Gilles Garcia (Le Kremlin-Bicêtre, France)	239
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7.3A Session 41 08:30 - 10:30

Grand round: Lung cancer Grand Round

Aims : In this lung cancer Grand Round, four assembly members will challenge your knowledge in lung cancer care with their individual cases. This Grand Round will also provide you with a unique opportunity for interactive discussions with not only the case presenters but also an on-stage multidisciplinary board panel. Learn and debate about the following four hot lung cancer topics: using the full diagnostic potential of computed tomography (CT) lung cancer screening beyond the nodule; reappraising N2 disease in the era of immunotherapy and targeted therapies; controlling stage IV non-small cell lung cancer (NSCLC) with modern molecular diagnostics and systemic therapies; and tackling brain metastases and the primary tumour.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Public health Pulmonary function testing Respiratory intensive care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Paul E. Van Schil (Edegem (Antwerp), Belgium), Solange Peters (Lausanne, Switzerland), Françoise Galateau-Salle (Caen, France), Matthew Evison (Manchester, United Kingdom), Annemie Snoeckx (Edegem (Antwerp), Belgium)

08:30	A benign nodule in former smoker with COPD Margarida Afonso (Castelo Branco, Portugal)	240
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09:00	To resect, or not to resect – the problem with difficult histology and rare tumours Matthias Esch (Ganderkesee, Germany)	241
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09:30	Intercalating multimodal treatment strategy in a patient with advanced pulmonary adenocarcinoma harbouring the uncommon complex EGFR mutation L833V/H835L Armin Frille (Leipzig, Germany)	242
10:00	When you hear hoofbeats, look for zebras Jan van Meerbeeck (Edegem (Antwerp), Belgium)	243

7.3N Session 42 08:30 - 10:30

Symposium: State of the art session: Airways disease update on clinical and translational studies

Aims : This session will highlight the latest developments and controversies in airways disease. Four key areas will be covered that have provided critical new observations in the past year that will help to diagnose and treat subsets of patients with asthma and chronic obstructive pulmonary disease (COPD). The new observations range from novel ways of defining the mechanisms that underpin the disease in an individual patient by using the appropriate selective biomarkers (molecular phenotyping) to how this information can shape new targeted approaches to the treatment of asthma and COPD (biological agents in airways disease). The session will also cover the role of macrolides for treating severe asthma exacerbations and what this can reveal about disease mechanisms and how we can use blood biomarkers to identify the COPD patients who could benefit from current and novel therapies. At the end of this session, delegates will have the most up-to-date, clear and practical take-home knowledge relating to the diagnosis, treatment and prevention of severe asthma and COPD.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Ildikó Horváth (Budakeszi, Hungary), Antonio Spanevello (Milan, Italy)

08:30	Molecular phenotyping of asthma comes of age Sally Wenzel (Pittsburgh, United States of America)	244
09:00	Macrolides, inflammation and the lung microbiome: cause or effect? Peter Gibson (Newcastle, Australia)	245
09:30	Are we really transforming asthma and COPD management with biologics? Nicola Hanania (Houston, United States of America)	246
10:00	Eosinophils in COPD: do they predict drug response? Dave Singh (Manchester, United Kingdom)	247

7.1A Session 43 08:30 - 10:30

Symposium: New Sepsis Surviving Campaign guidelines: back to the “art of medicine” Sepsis Surviving Campaign guidelines

Aims : Although Sepsis Surviving Campaign (SCC) guidelines have improved the hospital survival of patients with sepsis over the last few decades, more than a quarter of these patients continue to die in hospital. To improve the treatment of sepsis, this joint ERS/ESICM /SCCM session will highlight the new SCC guidelines, which propose the implementation of precision (individualised) medicine in this field of respiratory and intensive care medicine. These new guidelines state that, while the original SCC evidence-based recommendations are suitable for the majority of typical septic patients, patients with certain specific atypical features may have to be treated with an individualised approach that is based on best practice statements. This session will cover key issues in the management of septic patients (particularly those with pulmonary complications) according to the new SCC guidelines.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Patient, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marcus Schultz (Amsterdam, Netherlands), John Studdard (, United States of America)

08:30	Features of the new Sepsis Surviving Campaign guidelines Speaker to be confirmed	248
09:00	Fluid resuscitation and haemodynamic support Antonio Artigas (Sabadell (Barcelona), Spain)	249
09:30	Ventilatory strategies in acute respiratory failure Cesare Gregoretti (Palermo, Italy)	250

10:00	Stewardship programmes to decrease antibiotic resistance and to improve outcomes Antoni Torres (Barcelona, Spain)	251
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7.1B Session 44 08:30 - 10:30

Symposium: EUREST-PLUS: implementation of the tobacco control policy to reduce lung disease The impact of tobacco control policies on respiratory health

Aims : To present the findings of the EUREST-PLUS Horizon 2020 project. The aim of this project was to evaluate the impact on the European population of the recently implemented tobacco control policies in Europe. These policies include those in the Tobacco Products Directive (TPD) of the European Union and the WHO Framework Convention on Tobacco Control. The impact of these policies was assessed by a cohort study on 6,000 smokers in six European countries. This study also assessed how respiratory comorbidities influence clinicians in six European countries to provide cessation assistance. The final results of this study will be presented in this session. We will also describe the results of the 2017 Eurobarometer analysis of 26,000 adults across 28 European countries, which assessed changes in public perceptions regarding e-cigarettes, warning labels on tobacco products and smoke-free environments. This session is supported by a grant from the European Commission (Horizon 2020 HC0-6-2015; EUREST-PLUS: 681109; Vardavas).

Method(s) : Epidemiology Public health

Tag(s) : Translational

Target audience : General practitioner, Nurse, Paediatrician, Patient, Policy maker, Scientist (basic, translational), Student

Chairs : Charlotta Pisinger (Glostrup, Denmark)

08:30	The effect of respiratory comorbidities on the provision of cessation assistance in six EU countries: are clinicians doing enough? Linnea Hedman (Luleå, Sweden)	252
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09:00	Factors that affect quit attempts in smokers in six EU countries Paraskevi Katsaounou (Athens, Greece)	253
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09:30	The impact on tobacco product use of policies in the EU, including smoke-free legislation, warning labels and taxation Filippos T. Filippidis (London, United Kingdom)	254
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10:00	Monitoring e-cigarette use and variables across the EU: a 2018 update Constantine Vardavas (Athens, Greece)	255
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7.3C Session 45 08:30 - 10:30

Symposium: Difficult paediatric lung disease

Aims : to present and discuss: (i) basic treatments for paediatric pulmonary diseases as asthma, cystic fibrosis, (ii) the pulmonary manifestations of extra-pulmonary paediatric diseases, (iii) an update on interstitial lung diseases (iv)

Disease(s) : Paediatric respiratory diseases

Tag(s) : Clinical

Target audience : Paediatrician, Patient, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Bart L. Rottier (Groningen, Netherlands), Alexander Möller (Zürich, Switzerland)

08:30	From early origins of adult lung disease to Asthma and COPD overlap syndrome (ACOS) Klaus F. Rabe (Grosshansdorf, Germany)	256
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09:00	The management of children with interstitial lung disease Andrew Bush (London, United Kingdom)	257
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09:30	Pulmonary manifestations of cardiovascular diseases Speaker to be confirmed	258
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10:00	Treatment of asthma above and beyond anti IgE: an update for the clinician The use of biologicals in asthma treatment Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom)	259
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7.3Z1 Session 46 08:30 - 10:30

Oral presentation: ILDs: From bench to bedside

Disease(s) : Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Imaging General respiratory patient care Cell and molecular biology Epidemiology

Chairs : Effrosyni D. Manali (Athens, Greece), Zoe Daniil (Larisa, Greece)

OA260	Late Breaking Abstract - Loss of PTEN induces alveolar epithelial cell senescence resulting in lung fibrosis via activated NF-κB Yaqiong Tian (Nanjing, China), Chuanmei Liu, Hui Li, Jinghong Dai, Jingyu Chen, Min Zhou, Hourong Cai
OA261	Late Breaking Abstract - Mesenchymal stromal cell exosomes prevent and revert experimental pulmonary fibrosis through systemic modulation of monocyte phenotypes Nahal Mansouri (Boston, United States of America), Gareth R. Willis, Angeles Fernandez-Gonzalez, Monica Reis, S. Alex Mitsialis, Stella Kourembanas
OA262	Late Breaking Abstract - A Deep Learning Algorithm for Classifying Fibrotic Lung Disease on High Resolution Computed Tomography Simon Walsh (London, United Kingdom), Lucio Calandriello, Mario Silva, Nicola Sverzellati
OA263	Late Breaking Abstract - Idiopathic Pulmonary Fibrosis – a worldwide review of ‘real’ life’ practice: experience from a treatment feasibility review in 41 countries Marlies S. Wijsenbeek (Rotterdam, Netherlands), Florin Floricel, Joelle Thonnard, Ann Fieuw, Paul Ford, Eva Santermans, Charlotte Vandenrijn, Toby Maher
OA264	Late Breaking Abstract - Ten years experience of whole lung lavage for PAP cases in Songklanagarind hospital Punchalee Kaenmuang (Songkhla, Thailand), Asma Navasakulpong
OA265	Late Breaking Abstract - Prognostic analysis of secondary pulmonary alveolar proteinosis: Inspection by one of the world’s largest data. Haruyuki Ishii (Tokyo, Japan), Ryushi Tazawa, Takeshi Saraya, Yoshikazu Inoue, Koh Nakata
OA266	Late Breaking Abstract - Phase 1 dose escalation study of aerosolized pirfenidone in normal healthy volunteers (NHV), smokers, and IPF patients Alan Montgomery (Seattle, United States of America), Kelly Otto, Jun Khoo, Ian Glaspole

7.3B Session 47 08:30 - 10:30

Oral presentation: Risk stratification in treatment of pulmonary arterial hypertension

Disease(s) : **Pulmonary vascular diseases**

Method(s) : Cell and molecular biology Epidemiology Public health General respiratory patient care

Chairs : Marius M. Hoeper (Hannover, Germany), Marc Humbert (Paris, France)

OA267	Late Breaking Abstract - Efficacy and safety of macitentan in portopulmonary hypertension: the PORTICO trial Olivier Sitbon (Le Kremlin-Bicêtre, France), Jaume Bosch, Emmanuelle Cottreel, Pascal De Groote, Marius M Hoeper, Michael Krowka, Nicolas Martin, Laurent Savale, Nick Kim
OA268	Risk assessment in pulmonary arterial hypertension (PAH): Insights from the GRIPHON study Olivier Sitbon (Le Kremlin-Bicêtre, France), Kelly M. Chin, Richard N. Channick, Lilla Di Scala, Sean Gaine, Hossein-Ardeschir Ghofrani, Irene M. Lang, Vallerie V. Mclaughlin, Ralph Preiss, Lewis J. Rubin, Gérald Simonneau, Victor Tapson, Nazzareno Galiè, Marius M. Hoeper
OA269	Early improvements predict outcomes in pulmonary arterial hypertension R James White (Rochester, United States of America), C Dario Vizza, Christiana Blair, Jonathan Langley, Marius M Hoeper
OA270	ESC/ERS low-risk profile achievement accurately predicts mortality in scleroderma-associated PAH Valentina Mercurio (Baltimore, United States of America), Nermin Diab, Grace Peloquin, Traci Houston-Harris, Rachel Damico, Todd Kolb, Stephen Mathai, Paul Hassoun
OA271	Impact of initial treatment strategy on long-term survival in pulmonary arterial hypertension (PAH) Athénaïs Boucly (Le Kremlin Bicêtre, France), Laurent Savale, Jason Weatherald, David Montani, Mitja Jevnikar, Xavier Jaïs, Gérald Simonneau, Marc Humbert, Olivier Sitbon
OA272	Early treatment of borderline pulmonary arterial hypertension associated with systemic sclerosis: a randomized, controlled, double-blind, parallel group, proof-of-concept study Zixuan PAN (Heidelberg, Germany), Christina A. Eichstaedt, Nicola Benjamin, Norbert Blank, Hanns-Martin Lorenz, Christoph Fiehn, Jie Song, Panagiota Xanthouli, Satenik Harutyunova, Benjamin Egenlauf, Alberto M. Marra, Christine Fischer, Ekkehard Grünig
OA273	emPHasis-10 score predicts mortality in patients with pulmonary hypertension Stephen Wort (Hampton (Middlesex), United Kingdom), Carla Favoccia, Alexander Kempny, Laura Claire Price, Colm Mccabe, Kostantinos Dimopoulos
OA274	Pirfenidone protects against pulmonary hypertension in the Sugén5416/hypoxia rat model Paul-Benoit Poble (Besançon, France), Carole Phan, Timothée Quatremare, Jennifer Bordenave, Raphaël Thuillet, Amélie Cumont, Alice Huertas, Peter Dorfmueller, Ly Tu, Marc Humbert, Maria-Rosa Ghigna, Christophe Guignabert

7.3Z2

Session 48

08:30 - 10:30

Symposium: Organoids and pluripotent stem cells**Disease modelling and drug testing**

Aims : to present and discuss (i) the methods by which gut and lung organoids can be cultured and their uses as disease models in translational research, (ii) the biological basis, methodological approaches and applications of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR/Cas) gene editing, and (iii) the technical approaches targeting epigenetic mechanisms that can be used to reprogram gene expression.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee

Chairs : Sabine Bartel (Borstel, Germany), Pieter S. Hiemstra (Leiden, Netherlands)

08:30	Intestinal organoids as ex vivo models for personalised medicine in cystic fibrosis Jeffrey M. Beekman (Utrecht, Netherlands)	275
08:54	The use of bronchospheres to study chronic lung diseases Melanie Konigshoff (Denver, United States of America)	276
09:18	Genome modification with CRISPR/Cas Patrick Harrison (Cork, Ireland)	277
09:42	The potential of epigenetic editing in chronic lung disease Marianne Rots (Groningen, Netherlands)	278
10:06	Optimizing experimental research in respiratory diseases: an ERS Statement Martin Kolb (Hamilton (ON), Canada)	279

7.3K

Session 49

08:30 - 10:30

Symposium: Respiratory muscles at rest, during exercise and in the critically ill patient

Aims : to provide an update on the latest knowledge in the field about respiratory muscle dysfunction, evaluation and management; to discuss the potential respiratory muscle dysfunctions or adaptations in various pathological contexts; to present the respiratory muscle responses to exercise and their role in exercise limitations and symptoms; and to improve understanding of the effects of critical illness on respiratory muscle structure and function, the clinical consequences of respiratory muscle weakness and the potential therapeutic options for improving muscle function in chronic obstructive pulmonary disease (COPD).

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Imaging Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Nurse, Paediatrician, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Samuel Vergès (Grenoble, France), Nicolino Ambrosino (Livorno (LI), Italy)

08:30	Respiratory muscle dysfunction in COPD - update on causes and biological findings Samuel Vergès (Grenoble, France)	280
09:00	Neural respiratory drive in respiratory disease patients Caroline Jolley (London, United Kingdom)	281
09:30	The respiratory muscles in intensive care unit patients Alexandre Demoule (Paris, France)	282
10:00	Respiratory muscles/mechanics and dyspnoea in disease - what kind of rehabilitation? Rik Gosselink (Leuven, Belgium)	283

7.3Q

Session 50

08:30 - 10:30

Oral presentation: Primary care management of respiratory conditions

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Epidemiology General respiratory patient care Public health

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Persijn Honkoop (Leiden, Netherlands)

- OA284** **Late Breaking Abstract - Trial of c-reactive protein point of care testing (CRP-POCT) for safely reducing antibiotics for acute exacerbations of chronic obstructive pulmonary disease (COPD) in primary care**
Patrick T. White (London, United Kingdom), Christopher C. Butler, David Gillespie, Janine Bates, Rachael Lowe, Emma Thomas-Jones, Mandy Wooton, Kerenza Hood, Rhiannon Phillips, Hasse Melbye, Carl Llor, Jochen Cals, Gurudutt Naik, Nigel Kirby, Michaela Gal, Evgenia Riga, Nicholas Francis
- OA285** **Investigating the feasibility of a mobile mindfulness-based digital intervention for patients with asthma**
Ben Ainsworth (Southampton (Hampshire), United Kingdom), Sabina Stanescu, Sarah Kirby, Beth Stuart, Ramesh Kurukulaaratchy, Ratko Djukanovic, Mike Thomas
- OA286** **Practical use of control of allergic rhinitis and asthma test in a telehealth service**
Corina de Jong (Groningen, Netherlands), Hendrik Jan Baretta, João Fonseca, Ellen Van Heijst, Thys Van Der Molen, Desiree Schipper, Ioanna Tsiligianni, Janwillem Kocks, Bertine Flokstra-De Blok
- OA287** **The impact of common cold and flu on sleep: sufferer and physician perceptions**
Ingo Fietze (Berlin, Germany), Gillian Phillipson
- OA288** **More household air pollution and COPD at higher altitude - a population-based, observational FRESH AIR study in rural Kyrgyzstan**
Evelyn Brakema (Amsterdam, Netherlands), Aizhamal Tabyshova, Marise Kasteleyn, Eveline Molendijk, Rianne Van Der Kleij, Job Van Boven, Berik Emilov, Meerim Akmatalieva, Maamed Mademilov, Mattijs Numans, Sian Williams, Talant Sooronbaev, Niels Chavannes
- OA289** **ICS withdrawal and exacerbation risk by GOLD 2017 Report: post hoc analysis of the WISDOM trial**
Henrik Watz (Großhansdorf, Germany), Helgo Magnussen, Roberto Rodriguez-Roisin, Kay Tetzlaff, Michaela Haensel, Achim Mueller, Claus Vogelmeier
- OA290** **Adherence rate to inhaled therapies and factors affecting adherence in elderly with chronic obstructive lung diseases**
Emel Ceylan (Aydin, Turkey), Hüseyin Örün, Tuğçe Kübra Güleç, Mert Altaş, Nuray Seyitoğlu Ertek, Aydın Çöl, Fisun Karadağ
- OA291** **Effectiveness of 2x2-hour lectures and case methods in Swedish general practitioners' continuing medical education about COPD: a cluster randomized controlled trial**
Hanna Sandelowsky (Vendelso, Sweden), Ingvar Krakau, Sonja Modin, Björn Ställberg, Sven-Erik Johansson, Anna Nager

7.3M

Session 51

08:30 - 10:30

Oral presentation: Asthma in children and adults: long-term aspectsDisease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Physiology Public health

Chairs : Giovanni Viegi (Pisa (PI), Italy), Eva Rönmark (Lulea, Sweden)

- OA292** **Late Breaking Abstract - Asthma prevalence and management in adults in France in 2018: ASTHMAPOP survey**
Chantal Raherison-Semjen (Pessac, France), Armine Izadifar, Maud Russier, Christine Rolland, Jean-Pierre Aubert, Rahma Sellami, Delphine Leynaud, Caroline Fabry-Vendrand, Alain Didier
- OA293** **Adult asthma phenotypes identified by a cluster analysis on clinical and biological characteristics**
Rachel Nadif (Villejuif, France), Mickael Febrissy, Miora Andrianjafimasy, Nicole Le Moual, Frederic Gormand, Jocelyne Just, Isabelle Pin, Regis Matran, Valerie Siroux, Orianne Dumas, Mohamed Nadif
- OA294** **Eosinophilic inflammation and lung function decline in a long-term follow-up of a large population-based asthma cohort**
Helena Backman (Lulea, Sweden), Linnea Hedman, Caroline Stridsman, Sven-Arne Jansson, Thomas Sandstrom, Anne Lindberg, Bo Lundback, Eva Ronmark
- OA295** **Inhaled corticosteroids and FEV1 decline in asthma: an international cohort study**
Alessandro Marcon (Verona (VR), Italy), Pierpaolo Marchetti, Josep M Antó, Lucia Cazzoletti, Isa Cerveri, Angelo Corsico, Judith Garcia-Aymerich, Joachim Heinrich, David Gislason, Rain Jõgi, Ane Johannessen, Bénédicte Leynaert, Andrei Malinovski, Isabelle Pin, Joost Weyler, Christer Janson, Simone Accordini, Deborah Jarvis
- OA296** **Asthma control and decline in FEV1/FVC ratio over 10 years in adults**
Simone Accordini (Verona (VR), Italy), Lucia Cazzoletti, Josep Antó, Isa Cerveri, Angelo Corsico, Judith Garcia-Aymerich, Joachim Heinrich, David Gislason, Rain Jõgi, Ane Johannessen, Bénédicte Leynaert, Andrei Malinovski, Isabelle Pin, Laura Portas, Joost Weyler, Christer Janson, Alessandro Marcon, Deborah Jarvis

- OA297** **Effect of asthma on the development of obesity among adults: Results of the European Community Respiratory Health Survey (ECRHS)**
Subhabrata Moitra (Barcelona, Spain), Anne-Elie Carsin, Michael Abramson, André Amaral, Josep Maria Anto, Vaia Lida Chatzi, Bertil Forsberg, Frank Gilliland, Francisco Gomez Real, Deborah Jarvis, Jeong-Lim Kim, Bénédicte Leynaert, Pavilio Piccioni, Nicole Probst-Hensch, Valerie Siroux, Stefano Guerra, Judith Garcia-Aymerich, Manolis Kogevinas
-
- OA298** **Childhood asthma affects job and education in young adults**
Christian Schyllert (Vendelsö, Sweden), Martin Andersson, Anne Lindberg, Eva Rönmark, Linnea Hedman
-
- OA299** **Is “protective” effect of day care on asthma explained by selection bias?**
Aino-Kaisa Rantala (Oulu, Finland), Øystein Karlstad, Maria C Magnus, Hein Stigum, Siri E Håberg, Per Nafstad, Wenche Nystad, Jouni J Jaakkola

7.30 Session 52 08:30 - 10:30

Oral presentation: Prematurity and lung disease

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Physiology General respiratory patient care Respiratory intensive care Cell and molecular biology

Chairs : Theodore Dassios (London, United Kingdom), Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)

- OA300** **Late Breaking Abstract - Protein signature stratifies severity of chronic lung disease in preterms after birth**
Alida Kindt-Dunjko (Neuherberg, Germany), Kai Foerster, Andreas Flemmer, Prajakta Oak, Andreas Pomschar, Birgit Ertl-Wagner, Jan Krumsiek, Anne Hilgendorff
-
- OA301** **Azithromycin (AZM) reduces death or severe respiratory morbidity at 12 month adjusted age (AA) in Ureaplasma-positive intubated preterms.**
Rose Viscardi (Baltimore, United States of America), Michael Terrin, Laurence Magder, Susan Dulkerian, Natalie Davis, Ken Waites, Namasivayam Ambalavanan, Pamela Donohue, David Kaufman, Deborah Tuttle, Jorn-Hendrik Weitkamp
-
- OA302** **The role of ASC signalling in preterm infants at risk of chronic lung disease of prematurity**
David Gallacher (Cardiff (South Glamorgan), United Kingdom), Martha Triantafilou, Julian Marchesi, Kathy Triantafilou, Sailesh Kotecha
-
- OA303** **Lung mechanics, airway reactivity, and muscularization are altered in former mechanically ventilated preterm lambs**
Mar Janna Dahl (Salt Lake City, United States of America), Chiara Veneroni, Anna Lavizzari, Jane Pillow, Brad Yoder, Kurt Albertine, Raffaele Dellaca'
-
- OA304** **Effects of sustained lung inflation (SLI) at birth on lung aeration during non-invasive resuscitation of preterm lambs**
Davide Bizzotto (Milano (MI), Italy), Marjanna Dahl, Chiara Veneroni, Anna Lavizzari, Bradley Yoder, Iliaria Milesi, Kurt Albertine, Raffaele Dellaca'
-
- OA305** **Are lung function abnormalities associated with reduced exercise capacity in prematurely born young people?**
Christopher Harris (London, United Kingdom), Alan Lunt, Janet Peacock, Anne Greenough
-
- OA306** **Assessment of lung mechanics for the prediction and evaluation of pulmonary outcome in preterm infants**
Emanuela Zannin (Milano (MI), Italy), Raffaele Dellacà, Roland Neumann, Sven Schulzke
-
- OA307** **The analysis of genetic polymorphisms of manganese superoxide dismutase at premature infants with bronchopulmonary dysplasia**
Elena Pavlinova (Omsk, Russian Federation), Olga Savchenko, Natalya Vlasenko, Irina Kirshina, Ekaterina Karpeta

7.3P Session 53 08:30 - 10:30

Oral presentation: Evolving approaches to differential diagnosis

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Endoscopy and interventional pulmonology Physiology Public health Transplantation

Chairs : Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Monika Franczuk (Warszawa, Poland)

- OA308** **Late Breaking Abstract - Detection of small airway obstruction patterns in forced oscillometry(FO) and spirometry using artificial neural networks**
Tong Xu (Toronto, Canada), Hojjat Salehinejad, Qian Huang, Elizabeth Cho, Shahrokh Valaee, Chung-Wai Chow
-
- OA309** **Is a screening spirometry a good screening tool?**
Daniel Schuermans (Bruxelles, Belgium), Sven Verschraegen, Geert Celis, Eef Vanderhelst
-
- OA310** **Pilot project to provide spirometry inreach sessions to hostels/homeless shelters in Tower Hamlets, London**
Claire Davey (London, United Kingdom), Rasheda Choudhury, Maryam Mohammed, Jane Simpson

OA311	Factors affecting lung function in adult cystic fibrosis patients after lung transplantation. Elena Amelina (Moscow, Russian Federation), Alexander Cherniak, Natalia Karchevskaya, Stanislav Krasovsky, Evgeny Tarabrin, Zhanna Naumenko, Sergey Golovinskiy, Galina Neklyudova, Marina Kevorkova, Taimyraz Kallagov, Tatyana Pashkova, Nikolay Nechaev, Nadezhda Guseva, Alexander Chuchalin
OA312	Lung Clearance Index (LCI) in children = 12 years old with Cystic Fibrosis (CF) taking ORKAMBI at University Hospital Limerick (UHL) Magdalena Mulligan (Limerick, Ireland), Rebecca White, Louise Collins, Barry Linnane
OA313	Double gas transfer factors (TLNO/CO) in supine position discriminate congenital heart diseases from healthy adults. Stefan Matecki (Montpellier, France), Pascal Amedro, Jonathan Mane, Farez Gouzi, Nam Ledong, Arnaud Bourdin, Maurice Hayot, Bruno Degano, Sophie Guillaumont, Gregoire Delavilleon
OA314	Investigating Exercise Induced Laryngeal Obstruction (EILO): A review of a specialist paediatric service Jane Kirkby (Sheffield, United Kingdom), Nicki Barker, Laurie Smith, Ravi Thevasagayam, Kelechi Ugonna
OA315	Assessment of repeatability of eNose (SpiroNose) measurements in healthy and asthmatic subjects Rianne de Vries (Amsterdam, Netherlands), J. W. F. Dagelet, U Frey, R. Lutter, A. H. Maitland-Van Der Zee, P. J. Sterk, A Sinha
7.3L Session 54 08:30 - 10:30	
Poster discussion: Epidemiology and prognostication of critically-ill patients	
Disease(s) : Respiratory critical care	
Method(s) : Transplantation Epidemiology General respiratory patient care Respiratory intensive care	
Chairs : Marieke L. Duiverman (Groningen, Netherlands), Lúgia Helena Pires Vicente (Portimão, Portugal)	
PA316	Acute Respiratory Distress Syndrome in Mechanically-Ventilated Patients with Community-Acquired Pneumonia Miquel Ferrer Monreal (Barcelona, Spain), Catia Cilloniz, Adamanthia Liapikou, Carolina Garcia-Vidal, Albert Gabarrus, Adrian Ceccato, Jorge Puig De La Bellacasa, Francesco Blasi, Antoni Torres
PA317	Changes in characteristics and long-term mortality of intensive care unit admissions from 2003 to 2010: a study from nationwide population-based cohort Do Jun Kim (Chuncheon, Republic of Korea), Jeongwon Heo, Jae Hoon Jeong, Young Joo Kim, Seung-Joon Lee, Woo Jin Kim, Seon-Sook Han, Yoonki Hong
PA318	Prospective comparative study on etiologic diagnosis of ventilator-associated pneumonia. Maria Aparecida Gonçalves Gomes (Uberlândia, Brazil), Rodrigo Miquelanti Melo, Vinicius Pafume Oliveira, Debora Lara Zuza Scheucher, Robinson Sabino Silva, Luiz Ricardo Goulart Filho, Denise Von Dolinger Brito, Thulio Marquez Cunha
PA319	Compared survivors with nonsurvivors in oldest-old patients with acute respiratory distress syndrome: a prospective observational cohort study Kuo-Chin Kao (Taipei, Taiwan), Chih-Hao Chang, Chiu-Hua Wang, Han-Chung Hu, Chung-Chi Huang, Li-Fu Li, Huang-pin Wu, Cheng-Ta Yang
PA320	Chronic critical illness in patients with acute respiratory failure admitted to a respiratory intensive care unit Alessandro Marchioni (Modena (MO), Italy), Roberto Tonelli, Riccardo Fantini, Luca Tabbi, Antonia Sdanganelli, Ivana Castaniere, Alessia Verduri, Martina Garofalo, Stefania Cerri, Valentina Ruggieri, Enrico Clini
PA321	Atrial arrhythmias after lung transplantation: prevalence, risk factors, management and outcome Sara Isabel Campos Silva (Paços de Ferreira, Portugal), Nídia Caires, Ricardo Dias Coelho, Ana Sofia Santos, Raquel Rosa, Telma Lopes, Sara Alfarroba, Paulo Calvinho, Luisa Semedo, João Cardoso, José Fragata
PA322	The spontaneous breathing trail has no role to predict the ability of spontaneous breathing in patients with prolonged weaning Friederike Sophie Magnet (Köln, Germany), Eva Heilf, Sophie E. Huttman, Jens Callegari, Sarah B. Schwarz, Jan H. Storre, Wolfram Windisch
PA323	Incidence and risk factors for venous thrombosis after venovenous extracorporeal membrane oxygenation in adult patients with acute respiratory failure Christoph Fisser (Regensburg, Germany), Christoph Reichenbaecher, Thomas Mueller, Maximilian Malfertheiner, Alois Philipp, Maik Foltan, Dirk Lunz, Florian Zeman, Matthias Lubnow
PA324	Which respiratory and non-respiratory factors contribute to outcome in critically ill patients with invasive ventilation? Fabienne Simonis (Amsterdam, Netherlands), Marcelo Gama De Abreu, Paolo Pelosi, Marcus Schultz, Ary Serpa Neto

- PA325 Pectoralis muscle area in the follow-up of Acute Respiratory Distress Syndrome**
Carlos Toufen Junior (São Roque, Brazil), Adriana Hirota, Carlos R. R. Carvalho
-
- PA326 A multidisciplinary approach to post intensive care tracheostomy weaning and the impact of a dedicated team on decannulation rates and outcome in a regional UK major trauma centre**
Rachael Moses (North Shields (Tyne and Wear), United Kingdom), Jane Pulsford, Sarah Bunting, Louise Stevens, Helen Al-Nufoury, Andrew Fishburn, Claire Slinger, Aash Vyas, Craig Spencer
-
- PA327 The prognostic capacity of prone positioning-induced changes in P/F, deadspace and driving pressure**
David van Meenen (Leiden, Netherlands), Jan Paul Roozeman, Ary Serpa Neto, Paolo Pelosi, Marcelo Gama De Abreu, Frederique Paulus, Marcus Schultz
-
- PA328 Ventilatory strategy in ARDS: Transpulmonary pressure vs conventional ARDS net protocol in management of ARDS**
Debraj Jash (Kolkata (West Bengal), India), Dhruva Chaudhry, Jaikrit Bhutani, Manjunath Bg, Aditya Chaudhry
-
- PA329 The ventilatory inefficiency measured as VE/VCO₂ slope is increased in patients who fail to spontaneous breathing trial**
René López (Santiago, Chile), Rodrigo Pérez, Iván Caviedes, Jerónimo Graf
-
- PA330 Risk classification using predefined cutoffs for P/F and driving pressure in non-ARDS patients with invasive ventilation**
David van Meenen (Leiden, Netherlands), Coen Merckies, Laura Schouten, Lieuwe Bos, Ary Serpa Neto, Paolo Pelosi, Marcelo Gama De Abreu, Frederique Paulus, Marcus Schultz
-
- PA331 Serum albumin, arterial blood gases and base deficit as prognostic indicators of mortality in acute burned patients**
Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Mohamed Megahed
-
- PA332 Criteria for tracheostomy tube removal for patients with respiratory failure**
Maria Cardone (Napoli (NA), Italy), Salvatore Longobardi, Francesco Squillante
-
- PA333 Clinical characteristics and outcomes of patients under invasive mechanical ventilation at Ayder comprehensive specialized hospital adult intensive care unit, Mekelle, Ethiopia.**
Ephrem Berhe (Mekelle, Ethiopia), Kibrom G/Slassie, Tesfay G/Zeabher

Terminal 7

Session 55

08:30 - 10:30

Oral presentation: Paediatric asthma: prevention, diagnosis and treatment

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Public health General respiratory patient care

Chairs : Erol Gaillard (Leicester (Leicestershire), United Kingdom), Fabio Midulla (Roma (RM), Italy)

- OA334 Late Breaking Abstract - Effects of OM-85 BV on the murine gut microbiome**
Linnea Honeker (Vail, United States of America), Donata Vercelli, Fernando Martinez
-
- OA335 Prenatal exposure to negative life events and job stress and asthma risk**
Vivi Schlünssen (Århus C, Denmark), Xiaoqin Liu, Kathrine Madsen, Camilla Sejbæk, Henrik Kolstad, Jørn Olsen, Karin Hougaard, Kirsten Hansen, Niklas Andersson, Reiner Rugulies
-
- OA336 Breast-milk microbes and risk of asthma by 6 years of age**
Inka Hämynen (Kuopio, Finland), Martin Täubel, Anne Karvonen, Laura Orivuori, Outi Vaarala, Anne Hyvärinen, Josef Riedler, Caroline Roduit, Roger Lauener, Jean-Charles Dalphin, Erika Von Mutius, Sami Remes, Juha Pekkanen, Pirkka V. Kirjavainen
-
- OA337 Microbiota as in farm homes protect children from asthma**
Pirkka Kirjavainen (Kuopio, Finland), Anne Karvonen, Rachel Adams, Martin Täubel, Georg Loss, Markus Ege, Anne Hyvärinen, Rob Knight, Dick Heederik, Erika Von Mutius, Juha Pekkanen
-
- OA338 Feasibility and diagnostic accuracy of an electronic nose in children with asthma and cystic fibrosis**
Michiel Bannier (Maastricht, Netherlands), Kim Van De Kant, Quirijn Jobsis, Edward Dompeling
-
- OA339 Age and height trajectories of exhaled nitric oxide in schoolchildren**
Sandrah Eckel (Los Angeles, United States of America), Yue Zhang, Erika Garcia, Patrick Muchmore, Edward Rappaport, Kiros Berhane, William Linn, Noa Molshatski, Rima Habre, Frank Gilliland
-
- OA340 Valved holding chambers vary considerably in drug delivery efficacy**
Peter Csonka (Vuorentausta, Finland), Lauri Lehtimäki

Humidified and standard oxygen therapy in acute severe asthma in children: a randomised controlled pilot trial (HUMOX)

OA341 Paul McNamara (Liverpool (Merseyside), United Kingdom), Vanessa Compton, Matthew Peak, Julie Grice, Janet Clark, Liz Lee, Caroline Burchett, Ravi Jayaram, Ian Kilroy, David Lacy, Tracy Moitt, Egle Saviciute, Dannii Clayton, Steven Lane, Ashley Jones

7.2A Session 56 08:30 - 10:30**Poster discussion: The global impact of bronchiectasis and nontuberculous mycobacteria (NTM)**

Disease(s) : Respiratory infections Airway diseases Respiratory critical care Respiratory infections

Method(s) : Cell and molecular biology Imaging Respiratory intensive care General respiratory patient care Epidemiology

Chairs : Michael Loebinger (London, United Kingdom), Eva Van Braeckel (Ghent, Belgium)

PA342 **Validation of the Nontuberculous Mycobacteria (NTM) Module in NTM Lung Disease**
Alexandra Quittner (Coral Gables, United States of America), Chinmay Deshpande, Engels Chou, Ruchit Shah, Srimoyee Bose, Kathy Lasch, Quan Zhang

PA343 **In vitro susceptibility to rifampin and ethambutol and treatment outcome in MAC lung disease**
Byoung Soo Kwon (Seoul, Republic of Korea), Yong Pil Chong, Mi-Na Kim, Heungsung Sung, Younsuck Koh, Woo-Sung Kim, Jin-Woo Song, Yeon-Mok Oh, Sang-Do Lee, Sei Won Lee, Jae-Seung Lee, Chae-Man Lim, Chang-Min Choi, Jin-Won Huh, Sang-Bum Hong, Sojung Park, Tae Sun Shim, Kyung-Wook Jo

PA344 **The clinical significance of Mycobacterium triplex isolates in Queensland, Australia**
Justine Gibson (Brisbane (QLD), Australia), Tim Baird, Sushil Pandey, Carla Tolson, Chris Coulter, Geoffrey Eather, Rachel Thomson

PA345 **Bronchiectasis in Oceania – survival and health care in Indigenous and non-Indigenous populations**
Graeme Maguire (Broome (WA), Australia), Sean Blackall, Jae Beom Hong, Paul King, Conroy Wong, Lloyd Einsiedel, Marc Rémond, Cindy Woods

PA346 **Population based survey on the NTM pulmonary disease treatment in Japan**
Kiyohiko Izumi (Kiyose (Tokyo), Japan), Kozo Morimoto, Kazuhiro Uchimura, Manabu Ato, Satoshi Mitarai, Naoki Hasegawa

PA347 **Actual treatment practices of pulmonary nontuberculous mycobacteriosis analysed from national insurance claim data in Japan**
Kozo Morimoto (Tokyo, Japan), Kiyohiko Izumi, Manabu Ato, Satoshi Mitarai, Naoki Hasegawa

PA348 **Characteristics of patients with pulmonary non-tuberculous Mycobacterial infection in bronchiectasis: Data from the EMBARC registry**
Michael Loebinger (London, United Kingdom), Michael Loebinger, Felix Ringshausen, Charles Haworth, Pieter Goeminne, Marlene Murriss, Montse Vendrell, Rosario Menendez, Robert Wilson, Wim Boersma, Adam Hill, Antoni Torres, Katerina Dimakou, Tobias Welte, Anthony De Soya, Francesco Blasi, Stuart Elborn, Eva Polverino, Stefano Aliberti, James D. Chalmers

PA349 **Effects of a home programme of airway clearance techniques on adventitious respiratory sounds in patients with bronchiectasis: a randomised controlled trial**
Beatriz Herrero Cortina (Zaragoza, Spain), Oscar Membrado-Lope, Marta San Miguel-Pagola, Marina Francín-Gallego, Juan Antonio Saez-Perez, Eva Polverino

PA350 **Rhinosinusitis is associated with increased symptoms and more frequent exacerbations among patients with bronchiectasis- data from the EMBARC registry**
Michal Shteinberg (Haifa, Israel), Pieter Goeminne, Michael Loebinger, Charles Haworth, Felix Ringshausen, Katerina Dimakou, Marlene Murriss, Montse Vendrell, Rosario Menendez, Robert Wilson, Adam Hill, Antoni Torres, Tobias Welte, Francesco Blasi, Anthony De Soya, Stuart Elborn, Eva Polverino, James Chalmers, Stefano Aliberti

PA351 **AMPK is inhibited in severe bronchiectasis and may relate to reduced ciliary beat frequency**
Yan Hui Giam (Dundee (Angus), United Kingdom), Amelia Shoemark, Holly Keir, Martina Contarini, Diane Cassidy, Simon Finch, James Chalmers

PA352 **Comparison of bronchiectasis cohorts from tertiary centres in Sydney, Milan and Dundee reveal differences in severity and patterns of care**
Simone Visser (Sydney (NSW), Australia), Enna Stroil-Salama, Madeleine Peters, Di Lui, Stefano Aliberti, James Chalmers, Lucy Morgan

PA353 **Quality of life in patients with non-cystic fibrosis bronchiectasis based on radiologic findings**
Burcu Arpınar Yigitbas (Istanbul, Turkey), Celal Satıcı, Elif Yelda Niksarlıoğlu, Mustafa Asım Demirkol, Gizem Köybaşı, Ayşe Filiz Koşar

- PA354 Chest Physiotherapy in patients with Bronchiectasis – what is the current practice in Europe?**
Maria Aurora Pinto Mendes (Penafiel, Portugal), Simon Finch, Amelia Shoemark, Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Souza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles Haworth, Marlene Murriss, Katerina Dimakou, Adam T Hill, Michael R Loebinger, Rosario Menéndez, Anthony Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James Chalmers
-
- PA355 Impact of six-minute walk test on health-related quality of life in pulmonary Mycobacterium avium complex disease**
Kazuma Yagi (Tokyo, Japan), Takanori Asakura, Ho Namkoong, Shoji Suzuki, Takahiro Asami, Satoshi Okamori, Tetsuya Kusumoto, Yohei Funatsu, Hirofumi Kamata, Tomoyasu Nishimura, Makoto Ishii, Tomoko Betsuyaku, Naoki Hasegawa
-
- PA356 Validity of COPD diagnosis in Bronchiectasis patients: data from the EMBARC registry**
Maria Aurora Pinto Mendes (Penafiel, Portugal), Simon Finch, Amelia Shoemark, Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Souza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles Haworth, Marlene Murriss, Katerina Dimakou, Adam T Hill, Michael R Loebinger, Rosario Menéndez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James D Chalmers
-
- PA357 Open-label extension (OLE) of ORBIT-3 and ORBIT-4 trials of ARD-3150 in non-cystic fibrosis bronchiectasis (NCFB)**
Angela Davis (Durham, United States of America), Anne O'Donnell, Igor Gonda, David Cipolla, Juergen Froehlich, Charles Haworth
-
- PA358 Neutrophil elastase increases ciliary beat frequency ex-vivo: implications for the bronchiectasis airway**
Martina Contarini (Gorgonzola (MI), Italy), Yan Hui Giam, Holly Keir, Amelia Shoemark, James D Chalmers
-
- PA359 Primary ciliary dyskinesia in adults with bronchiectasis: Data from the Embarc registry**
Amelia Shoemark (Dundee (Scotland), United Kingdom), Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Souza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles S Haworth, Marlene Murriss, Katerina Dimakou, Adam T Hill, Micheal R Loebinger, Rosario Menéndez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James D Chalmers

7.2B Session 57 08:30 - 10:30

Poster discussion: Occupational and environmental lung diseases: asthma and the airways

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Cell and molecular biology Epidemiology Physiology Public health

Chairs : Benoit Nemery (Leuven, Belgium), Christopher Barber (Sheffield (South Yorkshire), United Kingdom)

- PA360 Late Breaking Abstract - Do inhaled carbonaceous particles translocate from the lung to the placenta?**
Norrice Liu (London, United Kingdom), Lisa Miyashita, Graham Mcphail, Shakila Thangaratinam, Jonathan Grigg
-
- PA361 Identification of significant late reactions from smaller exposures in specific inhalation challenge testing**
Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Alastair Robertson, Gareth Walters
-
- PA362 Airway symptoms and findings in patients exposed to moisture damage at work**
Sarkku Vilpas (Tampere, Finland), Lauri Lehtimäki, Eliina Kankare, Leenamajja Kleemola, Jura Numminen, Pia Nynäs, Antti Tikkakoski, Jukka Uitti, Jussi Karjalainen
-
- PA363 Predictors of patterns of response following specific inhalation challenge testing with low molecular weight agents.**
Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Alastair Robertson, Gareth Walters
-
- PA364 Effect of exposure to alpha-quartz on lung function in outdoor blasting crews**
Mariann Ulvestad (Oslo, Norway), Dag Gunnar Ellingsen, Nils Petter Skaugset, May Brit Lund, Bente Ulvestad
-
- PA365 Is 'take-out' allergen detectable in laboratory animal facilities?**
Johanna Feary (London, United Kingdom), Jennifer Canizales, Caitlin Fitzgerald, Harry Ward, James Potts, Paul Cullinan, Meinir Jones
-
- PA366 A review of cleaning agent-related occupational asthma from Birmingham, UK (2000-16)**
Gareth Walters (Birmingham, United Kingdom), Sherwood Burge, Vicky Moore, Alastair Robertson
-
- PA367 Prevalence and risk factors of COPD in dairy farmers: the AIRBAG study**
Stéphane Jouneau (Rennes Cedex, France), Solenne Murette, Ange-Marie Robert, Thomas Gouyet, Stéphanie Guillot, Anthony Chapron, Carole Mailloux, Benoit Desrues, Jean-François Viel
-
- PA368 Specific inhalation challenge causes minor changes in nasal proteome of work-related asthma patients**
Hille Suojalehto (Helsinki, Finland), Irmeli Lindström, Anne Puustinen
-
- PA369 Specific IgE sensitization and asthma in French farmers**
Sebastien Clerc (Paris, France), Denis Caillaud, Cara Maesano, Joana Vitte, Isabella Annesi-Maesano

- PA370 Evidence based Code of Best Practice for animal research facilities: results of the SPIRAL study**
Johanna Feary (London, United Kingdom), Bernadette Fitzgerald, Susie Schofield, James Potts, Jennifer Canizales, Meinir Jones, Paul Cullinan
- PA371 Cleaning products and respiratory health effects in professional cleaners: A systematic review**
Sara De Matteis (London, United Kingdom), Olga Archangelidi, Debbie Jarvis
- PA372 Profiling of hypersensitivity pneumonitis diagnosed at a UK specialist service for ILD and occupational lung diseases**
Gareth Walters (Birmingham, United Kingdom), Justin Mokhlis, Vicky Moore, Geraldine Burge, Alastair Robertson, Sherwood Burge
- PA373 Occupational exposure and incidence of asthma based on prescription of drugs.**
Jesper Baelum (Odense C, Denmark), Lars Rauff Skadhauge, Trine Thilasing, Jesper R. Davidsen, Øjvind Omland, Vivi Schlünssen
- PA374 Asthma associated with occupational exposure in dairy farmers**
Sasho Stolesski (Skopje, FYROM (Macedonia)), Jordan Minov, Jovanka Karadzinska-Bislimovska, Dragan Mijakoski, Aneta Atanasovska
- PA375 Airborne exposures and fractional exhaled nitric oxide in British foundry workers**
Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Jade Sumner, Ed Robinson, Leon Lewis, Lisa Bradshaw, Alison Codling, Chris Barber
- PA376 Asthma in cleaners: a distinct phenotype?**
Collin Brooks (Wellington, New Zealand), Tania Slater, Marine Corbin, Dave Mclean, Ridvan Firestone, Jan-Paul Zock, Neil Pearce, Jeroen Douwes

7.2C Session 58 08:30 - 10:30

Poster discussion: Evaluation of COPD and various diseases by different imaging modalities

Disease(s) : Airway diseases Thoracic oncology Respiratory infections Interstitial lung diseases Pulmonary vascular diseases
Respiratory critical care Respiratory infections

Method(s) : Epidemiology Endoscopy and interventional pulmonology Physiology Respiratory intensive care General respiratory patient care Imaging

Chairs : Reinhard Kubale (Pirmasens, Germany), El bieta Magdalena Grabczak (Warszawa, Poland)

- PA377 A long distance chest ultrasound mentorship project - the initial evaluation**
Diana Veronica Turcu (Iasi, Romania), Oana Melinte, Oana Miron, Radu Crisan, Traian Mihaescu, Tudor P. Toma
- PA378 Clinical Use and Barriers of Thoracic Ultrasound: A Survey of Italian Pulmonologists**
Alessandro Zanforlin (Bolzano (BZ), Italy), Francesco Tursi, Giampietro Marchetti, Giulia Pellegrino, Beatrice Vigo, Andrea Smargiassi, Riccardo Inchingolo, Stefano Centanni, Stefano Gasparini, Francesco Blasi, Gino Soldati, Giuseppe Francesco Sferrazza Papa
- PA379 Utility of bedside ultrasound chest in patients admitted into critical care unit**
Anil Kumar Gandham (Rajam, Srikakulam (Andhra Pradesh), India), A.R. Gayathri
- PA380 Diaphragmatic assessment in COPD patients by different modalities**
Gehan Ali (Shibin Elkom, Egypt)
- PA381 Assessment of ventilator-induced diaphragmatic dysfunction in COPD patients using transthoracic ultrasonography**
Ali Abdelazeem Hasan (Assiut, Egypt), Shereen Farfghaly
- PA382 Role of ultrasound in the decision algorithm for pneumothorax – a pilot study**
Rita Boaventura (Porto, Portugal), Leonor Meira, David Coelho, António Morais, Hélder Novais E Bastos
- PA383 Hyperpolarised 129Xenon MRI can identify ventilation abnormalities in patients suffering with primary spontaneous pneumothorax**
Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Mitch Chen, Tahreema Matin, Najib Rahman, Fergus Gleeson
- PA384 Left atrial diameter of >49.5 mm indicates left main bronchus stenosis**
Masataka Matsumoto (Miki, Japan), Kaori Kawase, Kazumi Kaneshiro, Kiyonobu Takatsuki
- PA385 How to diagnose and quantify bronchiectasis for clinical studies using chest imaging**
Jennifer Jane Meerburg (Rotterdam, Netherlands), Geerten Veerman, Stefano Aliberti, Harm Tiddens
- PA386 Contribution of chest computed tomography in post infectious bronchiolitis obliterans in children**
Samia Hamouda (Tunis, Tunisia), Ines Trabelsi, Fatma Khalsi, Imen Belhadj, Manel Ben Romdhane, Faten Tinsa, Khadija Boussetta

- PA387 Comparison of 1H MRI and 3He MRI ventilation images in patients with cystic fibrosis and patients with lung cancer**
Helen Marshall (Sheffield (South Yorkshire), United Kingdom), Andreas Voskrebenez, Alberto Biancardi, Laurie Smith, Bilal Tahir, Jim Wild, Jens Vogel-Claussen
- PA388 Is echogenic swirling seen on ultrasound predictive of pleurodesis outcome?**
Maged Hassan (Oxford, United Kingdom), Rachel M Mercer, Rachele Asciak, Nicky Russel, Rob J Hallifax, John Wrightson, Najib M Rahman
- PA389 Agreement between chest ultrasonography and chest X-ray in patients who have undergone thoracic surgery**
Andrea Smargiassi (Roma (RM), Italy), Riccardo Inchingolo, Marco Chiappetta, Leonardo Petracca Ciavarella, Stefania Lopatriello, Giuseppe Maria Corbo, Stefano Margaritora, Luca Richeldi
- PA390 Investigation of relationships between inflammation and brain disease in COPD**
Mohani-Preet Kaur Bajaj (London, United Kingdom), Sachelle Ruickbie, Daniel Burrage, Catherine Spilling, James Dodd, Abhiram Prasad, Paul Jones, Emma Baker, Thomas Barrick
- PA391 Lung ultrasound as useful tool to diagnose pulmonary atelectasis in children affected by neuromuscular disease**
Nicola Ullmann (Roma (RM), Italy), Maria Luisa D'Andrea, Maria Beatrice Chiarini, Paolo Tomà, Claudio Cherchi, Martino Pavone, Virginia Mirra, Renato Cutrera
- PA392 CT predictors of pulmonary hypertension in patients with severe COPD**
Daniela Gompelmann (Heidelberg, Germany), Miranda Kirby, Konstantina Kontogianni, Benjamin Egenlauf, Ekkehard Gruenig, Claus-Peter Heussel, Ralf Eberhardt, Felix Jf Herth
- PA393 The impact of CT dose reduction on inspiratory and expiratory lung density measures**
Jessica C. Sieren (Iowa City, United States of America), Eric A. Hoffman
- PA394 Pulmonary perfusion heterogeneity is reduced with hyperoxia in emphysema-susceptible smokers**
Eric A. Hoffman (Iowa City, United States of America), Krishna S. Iyer, Amin Motahari, Alejandro P. Comellas, David W. Kaczka

7.2D Session 59 08:30 - 10:30

Poster discussion: EUS-B and EBUS: optimal utilisation of the EBUS scope

Disease(s) : Thoracic oncology Interstitial lung diseases Respiratory infections Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Surgery

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Christophe Dooms (Leuven, Belgium)

- PA395 Conventional aspiration vs biopsy needle for endosonography:the International Sarcoidosis Assessment (ISA) RCT**
Laurence M.M.J. Crombag (Huizen, Netherlands), K Mooij, A Szlubowski, Kg Tournoy, R Trisolini, J Sun, M Oki, M Ninaber, Ja Stigt, D Steinfot, Br Jennings, M Liberman, S Bilaceroglu, Jt Annema
- PA396 EBUS vs EUS-B for diagnosing sarcoidosis:the International Sarcoidosis Assessment (ISA) RCT**
Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Laurence Crombag, Artur Slubowski, Kurt Tournoy, Rocco Trisolini, Jiayuan Sun, Masahide Oki, Maarten Ninaber, Jos Stigt, Daniel Steinfot, Barton Jennings, Moishe Liberman, Semra Bilaceroglu, Lizzy Wijmans, Peter Bonta, Jouke Annema
- PA397 Endobronchial ultrasound for the diagnosis of centrally located intrapulmonary tumors:a systematic review and meta-analysis**
Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands), Fausto Leoncini, Laurence Crombag, Rene Spijker, Peter Bonta, Daniel Korevaar, Jouke Annema
- PA398 EUS-B-FNA for the diagnosis of centrally located lung lesions.**
Ida Skovgaard Christiansen (København N, Denmark), Jolanda Corina Kuijvenhoven, Uffe Bodtger, Therese Maria Henriette Nauer, Khaliq Ahmad, Jatinder Singhsidhu, Rafi Nessar, Goran Nadir Salih, Asbjorn Hoegholm, Jouke Tabe Annema, Paul Frost Clementsen
- PA399 Accuracy and safety of EUS-B-FNA in the diagnosis of lung parenchymal lesions**
Michele Mondoni (Cremona (CR), Italy), Francesco Varone, Paolo Carlucci, Leonello Fuso, Claudia Sanfilippo, Daniele Magnini, Mirta Cavallini, Luca Richeldi, Stefano Centanni, Giovanni Sotgiu
- PA401 Integration of the left adrenal into EUS-B - a prospective study.**
Stephan Eisenmann (Halle, Germany), Jonathan Becker, Jane Winantea, Rüdiger Karpf-Wissel, Faustina Funke, Elena Stenzel, Kaid Darwiche
- PA402 Safety and feasibility of the use of a long EBUS scope in the diagnosis of mediastinal lymphadenopathy and left adrenal gland enlargement - a pilot study**
Maren Schuhmann (Heidelberg, Germany), Felix Herth, Ralf Eberhardt

PA403	Comparative efficacy of EBUS-TBNA versus EUS-b-FNA in unselected sarcoidosis patients Ilya Sivokozov (Moscow, Russian Federation), Oksana Yun, Dmitry Sazonov, Dmitry Dedushkin, Natalya Karpina, Galina Evgushenko, Yuri Berezovsky
PA404	Awake endoscopic (esophageal) ultrasound using the endobronchial scope (EUS-B) for patients with high risk for sedation Omar Hakrush (Nazareth-Illit, Israel), johad khoury, Yochai Adir, Sonia Schneer, Amir Abramovich
PA405	The pulmonologist in the oesophagus: new opportunities Therese Maria Henriette Naur (Copenhagen, Denmark), Ida Skovgaard Christiansen, Khaliq Ahmad, Jatinder Singh Sidhu, Rafi Nessar, Goran Nadir Salih, Asbjørn Høegholm, Peter Iwan Bonta, Jouke Tabe Annema, Uffe Bodtger, Paul Frost Clementsen
PA406	Guideline adherence and quality of (minimal) invasive mediastinal staging of NSCLC Jelle Bousema (Breda, Netherlands), Ilse Huijbregts, Martijn Van Dorp, Fieke Hoeijmakers, Nicole Barlo, Niels Claessens, Anne-Marie Dingemans, Wessel Hanselaar, Robert Kortekaas, Jan-Willem Lardenoije, Jos Maessen, Hermien Schreurs, Maggy Youssef-El Soud, Jouke Annema, Frank Van Den Broek
PA407	Influence of pathologist experience on EBUS-TBNA overall accuracy: A historical cohort study Luis Fernando Giraldo-Cadavid (Bogota DC, Colombia), Maria Teresa Perez-Warnisher, Iker Fernandez-Navamuel, Javier Alfayate, Alba Naya, Pilar Carballosa, Andres Gimenez, Elena Cabezas, Francisco Martinez-Muñiz, Susana Alvarez, Javier Flandes
PA408	Unusual case of bilateral hemotympanum after endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) Usman Maqsood (Walsall, United Kingdom), Muhammad Imran Hasan, Mohammed Munavvar, Muhammad Badar Ganaie
PA409	Significance of the gross visual appearance of aspirates obtained with endobronchial ultrasound guided-transbronchial needle aspiration (EBUS-TBNA) Sahajal Dhooria (Chandigarh (Uttar Pradesh), India), Nalini Gupta, Ritesh Agarwal, Ashutosh Aggarwal
PA410	Diagnostic yield of N3 hilar staging by endobronchial ultrasonography (EBUS) in lung cancer. Jaume Bordas Martinez (barcelona, Spain), Jose Luis Vercher Conejero, Guillermo Rodriguez González, Cristina Martin Cabeza, Isabel Cachon Suarez, Noelia Cubero De Frutos, Rosa-Maria Lopez Lisbona, Marta Diez Ferrer, Cristina Gamez Cenzano, Roger Llatjos Sanuy, Jordi Dorca Sargatal, Antoni Rosell Gratacos
PA411	Lymphnode short-axis diameter (SAD) as a predictor of adequacy in EBUS-TBNA: size matters Fausto Leoncini (Montespertoli (FI), Italy), Valentina Luzzi, Stefano Orsi, Michela Bezzi
PA412	A comparison of PET-CT and complete endosonographic nodal staging with use of 25 gauge needles in small nodes in NSCLC patients Maciej Gnass (Myślenice, Poland), Stanisław Orzechowski, Joanna Sola, Piotr Kocoń, Lucyna Rudnicka, Juliusz Pankowski, Paweł Gwóźdź, Artur Szlubowski

7.3J Session 60 08:30 - 10:30

Poster discussion: Sleep-disordered breathing: cardiovascular consequences, epidemiology, phenotypes and comorbidities

Disease(s) : [Sleep and breathing disorders](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Cell and molecular biology Epidemiology Public health Imaging Physiology General respiratory patient care

Chairs : Michael Arzt (Regensburg, Germany), Stefan-Marian Frent (Arad, Romania)

PA413	SERUM OSMOLARITY IS ASSOCIATED WITH SEVERITY OF OBSTRUCTIVE SLEEP APNEA SYNDROME: A NOVEL RISK FACTOR FOR CARDIOVASCULAR DISEASE Asiye Kanbay (Kayseri, Turkey), Mustafa Çalışkan, Halil İbrahim Yakar, Sebahat Alışır Eceder
PA414	Ventricular structural changes in patients with sleep-disordered breathing (SDB) and myocardial infarction Elvira Bondia Real (Valencia, Spain), ELVIRA BONDIA (VALENCIA, Spain), Jaime Signes-Costa Miñana, Jose Gavara, Santos Ferrer, Vicente Bodi, Paolo Racugno, Maria P. Lopez-Lereu, Jose Vicente Monmeneu, Maria Pilar Bañuls, Emilio Servera
PA415	Is obstructive sleep apnea a risk factor for the progression of thoracic aortic aneurysm? A prospective cohort study. Thomas Gaisl (Zürich, Switzerland), Protazy Rejmer, Simon Stämpfli, Felix Tanner, Malcolm Kohler
PA416	The Effect of CPAP Therapy in Sleep Apnea Patients on Single Parameters of the Nocturnal Pulse Wave Analysis Simon Dominik Herkenrath (Köln, Germany), Marcel Treml, Ludger Grote, Jan Hedner, Dirk Sommermeyer, Joachim H. Ficker, Georg Nilius, Winfried J. Randerath

PA417	Carbamylated erythropoietin prevents cardio-respiratory dysfunctions induced by chronic intermittent hypoxia nicolas voituron (Bognigny, France), David C. Andrade, Camilo Toledo, Jean-Paul Richalet, Rodrigo Del Rio
PA418	Does the required pressure difference between REM and NREM sleep during titration polysomnography impact on the severity of complex sleep apnoea? Hideaki Nakayama (Tokyo, Japan), Mina Kobayashi, Mariko Yanagihara, Satoru Tsuiki, Yuichi Inoue
PA419	Oscillating inspiratory flow limitation during Cheyne-Stokes hyperpnoea Neil Skjodt (Lethbridge (AB), Canada), Vidisha Pahwa, Ronald S Platt
PA420	"Super" obstructive sleep apnea: differences with the rest of severe cases Jose Rafael Teran Tinedo (Madrid, Spain), Daniel López-Padilla, Zichen Ji, Virginia Gallo González, Milagros Llanos Flores, Soledad López Martín, Elena R. Jimeno, Luis Puente Maestu, Elena Ojeda Castillejo
PA421	Obesity hypoventilation syndrome and neurocognitive function - impact of positive airway pressure therapy Sheila Sivam (Camperdown (NSW), Australia), Keith Wong, Amanda Piper, David Wang, Brendon Yee, Ronald Grunstein
PA422	Hypopnoea-to-apnoea ratio relates to reduced lung volumes and profound respiratory failure in subjects with obesity-hypoventilation syndrome Ivana Paranicova (Košice, Slovakia), Pavol Pobeha, Ivana Trojova, Ruzena Tkacova, Pavol Joppa
PA423	SLEEP DISORDERED BREATHING AND RELATIONSHIP WITH PM10 Ornella Salimbene (Buccino, Italy), Ivano Salimbene, Francesco Pilla, Maria Ragosta, Elena Comino
PA424	Systematic delay in the time to sleep apnea diagnosis in women - data from the Swedish National Sleep Apnea Registry Ludger Grote (Göteborg, Sweden), Constanze Wartenberg, Stefan Franzen, Jan Hedner
PA425	Determinants of daytime sleepiness in mild obstructive sleep apnoea syndrome. Data from the European Sleep Apnoea Database (ESADA) cohort study. Paschalis Steiropoulos (Alexandroupolis, Greece), Sophia Schiza, Maria R. Bonsignore, Johan Verbraecken, Jan Hedner, Ludger Grote, Marrone Oreste, Ozen K. Basoglu, Gianfranco Parati, Carolina Lombardi, Holger Holger, Zoran Dogas, Athanasia Pataka, Izolde Bouloukaki, Richard Staats, Thomas Penzel, Walter Mc Nicholas
PA426	Non-apnoea sleep disorder increases the risk of incident heart failure - a nationwide population-based cohort study I-Duo Wang (Taipei, Taiwan), Chung-Kan Peng
PA427	Association between sleep-disordered breathing and breast cancer. A pilot study. Francisco Campos-Rodriguez (Sevilla, Spain), Miguel A. Martinez-Garcia, Antonio Cruz-Medina, Maria Rodriguez-De-La-Borbolla, Adrian Sanchez-Vegas, María J. Selma-Ferrer, Francisco Ripoll, Carmen V. Almeida-Gonzalez
PA428	Chronic intermittent hypoxia exacerbates lung fibrosis in bleomycin-induced lung injury mouse model Hyeon Hui Kang (Seoul, Republic of Korea), In Kyoung Kim, Sang Haak Lee
PA429	Determinants of enlarged main pulmonary artery diameter in patients with scleroderma and concomitant obstructive sleep apnoea Yuksel Peker (Istanbul, Turkey), Tugce Yakut, Baran Balcan, Sait Karakurt, Haner Direskeneli, Yasemin Yalcinkaya
PA430	CPAP related intraocular pressure increase at night in people with and without glaucoma. Dariusz Wozniak (St Ives (Cornwall), United Kingdom), Matthew Schneiders, Rupert Bourne, Ian Smith

No Room Session 61 08:30 - 13:00

Game Zone: GAME ZONE - SESSION 1

	Ultrasound Jayne Holme (Altrincham (Cheshire), United Kingdom), Speaker to be confirmed	431
	Interventional bronchoscopy Lowie Vanfleteren (Horn, Netherlands), Julia N.S. d'Hooghe (Amsterdam, Netherlands), Cristina Avram (Manchester (Greater Manchester), United Kingdom)	432

7.3U Session 62 09:00 - 10:30

Professional development: PDW2 Medical writing

Aims : The aim of this 90-minute workshop is to give a short overview on the art of medical writing.

Chairs : Gilbert Massard (Strasbourg, France)

09:00	Welcome Gilbert Massard (Strasbourg, France)	433
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09:15	Why should we publish? How to handle your data Enrico Ruffini (Torino (TO), Italy)	434
09:35	Different types of publications and general rules Gilbert Massard (Strasbourg, France)	435
10:05	The editorial cycle from submission to publication: how do I get my abstract accepted in an international conference? Enrico Ruffini (Torino (TO), Italy)	436
10:25	Conclusion Gilbert Massard (Strasbourg, France)	437

7.3T Session 66 10:40 - 13:00

Skills workshop: SW5 Endoscopy

Hands-on workshop on endoscopic technologies

Aims : to present and demonstrate the current and upcoming technologies in endoscopy.

Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Pallav L. Shah (London, United Kingdom)

Introduction	441
Endobronchial valve placement Momen Wahidi (Durham, United States of America)	442
Paediatric bronchoscopy Ernst Eber (Graz, Austria)	443
Cryobiopsy Maren Schuhmann (Heidelberg, Germany)	444
Endobronchial ultrasound with transbronchial needle aspiration Michela Bezzi (Firenze (FI), Italy)	445

7.3V Session 67 10:40 - 13:00

Skills workshop: SW2 Body plethysmography

Aims : to help attendees gain the technical expertise and physiological knowledge needed to perform full body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the system setup, quality control and calibration; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases**

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Nurse, Paediatrician, Physiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Frans H.C. De Jongh (Enschede, Netherlands)

Introduction	446
Calibration, quality control and system settings Felip Burgos Rincon (Barcelona, Spain)	447
Technical aspects of body plethysmography Ellie Oostveen (Edegem (Antwerp), Belgium)	448

Standardisation of test performance 449
Aisling McGowan (Dublin, Ireland)

Reporting and interpretation of case studies 450
Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

7.3A Session 68 10:45 - 12:45

Grand round: Imaging Grand Round Comprehensive update on (almost) all aspects of lung imaging

Aims : To promote a multidisciplinary approach to diagnosis of wide variety of lung diseases. To provide an update in the diagnosis and treatment of various lung diseases. To give a basic and differential diagnosis when facing with imaging studies.

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Pulmonary function testing Respiratory intensive care Surgery

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Paediatrician, Pathologist, Physiologist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Johan Coolen (Leuven, Belgium), Nicolas Girard (Paris, France)

10:45 Solid and subsolid pulmonary nodules: differential diagnosis and radiological approach to diagnosis 451
Mathias Prokop (Nijmegen, Netherlands)

11:15 Lung cancer: staging with respect to the new 8th TNM-classification 452
Cornelia Schaefer-Prokop (Amersfoort, Netherlands)

11:45 Chronic obstructive pulmonary disease: phenotyping and differential diagnosis 453
Philippe Grenier (Paris Cedex 13, France)

12:15 Diagnostic criteria for idiopathic pulmonary fibrosis 454
Nicola Sverzellati (Parma (PR), Italy)

7.3N Session 69 10:45 - 12:45

Symposium: State of the art session: Pulmonary vascular diseases

Aims : To provide state of the art information on different aspects of pulmonary vascular diseases, including pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension, acute pulmonary thromboembolism and right heart function. The launch of the new Assembly 13 "Pulmonary Circulation" a few months after the 6th Pulmonary Hypertension World Symposium (Nice, France, February 2018) presents a unique opportunity for an update on pulmonary vascular diseases.

Disease(s) : [Pulmonary vascular diseases](#)

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Student, Adult pulmonologist/Clinician

Chairs : Olivier Sitbon (Le Kremlin-Bicêtre, France), H. Ardeschir Ghofrani (Gießen, Germany)

10:45 Pulmonary arterial hypertension 455
Marc Humbert (Paris, France)

11:15 Acute pulmonary embolism 456
David Jiménez Castro (Madrid, Spain)

11:45 Chronic thromboembolic pulmonary hypertension 457
Marion Delcroix (Leuven, Belgium)

12:15 Right ventricular function and pulmonary haemodynamics 458
Harm Jan Bogaard (Amsterdam, Netherlands)

7.1A Session 70 10:45 - 12:45

Symposium: Cournand lecture: new paradigms in extracorporeal lung assistance

Aims : Attendees will gain new insights in the physiological mechanisms by which protective/ultra-protective ventilation and support on CO₂ washout promote the outcomes of critically ill respiratory patients who are being treated with extracorporeal membrane oxygenation (ECMO) devices. Attendees will also be updated on the clinical applications of high-flow (i.e., ECMO) and low-flow (i.e., extracorporeal carbon dioxide removal [ECCO₂R]) devices in severe hypoxaemic and hypercapnic respiratory failure.

Disease(s) : Respiratory critical care

Method(s) : Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Patient, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Murali Shyamsundar (Belfast (Belfast), United Kingdom), Alexandre Demoule (Paris, France)

10:45	New physiological insights in ECMO Laurent Brochard (Toronto (ON), Canada)	459
11:15	Update on ECMO in hypoxaemia Antonio Pesenti (Monza (MI), Italy)	460
11:45	Update on ECCO₂R in hypercapnia Lara Pisani (Bologna (BO), Italy)	461
12:15	Pitfalls of ECMO Speaker to be confirmed	462

7.1B Session 71 10:45 - 12:45

Symposium: Towards understanding and managing chronic cough

Aims : to provide a comprehensive update regarding the physiological understanding and clinical management of patients with chronic cough who present in both primary and secondary care settings.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Imran Satia (Hamilton (ON), Canada), Graham H. Bothamley (London, United Kingdom), Marta Almagro (Barcelona, Spain)

10:45	What is cough and what should be measured? The physiology of cough Giovanni A. Fontana (Vaglia (FI), Italy)	463
11:15	Cough assessment and management in primary care Alan Kaplan (Stouffville (ON), Canada)	464
11:45	Cough management in secondary care - airways disease and gastro-oesophageal reflux Akio Niimi (Nagoya, Japan)	465
12:15	Update on childhood cough Bruce Rubin (Richmond, United States of America)	466

7.3C Session 72 10:45 - 12:45

Symposium: Dyspnoea: a multidimensional and multidisciplinary approach

Aims : to provide an overview of the state-of-the-art advances in the multidimensional and multidisciplinary aspects of dyspnoea by focusing on four themes: the neurophysiology of dyspnoea, exercise and dyspnoea, the multidimensional assessment of dyspnoea, and the clinical impact and management of dyspnoea

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Public health Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Trainee, Adult pulmonologist/Clinician

Chairs : Pierantonio Laveneziana (Paris Cedex 13, France), Janelle Yorke (Manchester (Greater Manchester), United Kingdom)

10:45	Multidimensional assessment methods for dyspnoea profiling in clinical practice and laboratory research Capucine Morelot-Panzini (La Varenne Saint-Hilaire, France)	467
11:12	Patient testimonial Kjartan Mogensen (Reykjavik, Iceland)	468
11:24	Affective and emotional dimensions of dyspnoea in chronic lung disease Andreas von Leupoldt (Leuven, Belgium)	469
11:51	Common mechanisms of exertional dyspnoea in chronic lung disorders Denis O'Donnell (Kingston (ON), Canada)	470
12:18	Non-pharmacological interventions for the management of breathlessness Miriam Johnson (Hull (North Humberside), United Kingdom)	471

7.3Z1 Session 73 10:45 - 12:45

Hot topics: Imminent global problems in lung cancer require joint action: time for an international alliance!

The best of ALA/ATS, ESMO, IASLC, JRS and ERS in lung cancer

Aims : Lung cancer constitutes a substantial global burden for not just patients but also professionals and healthcare systems. Multiple scientific international and national initiatives are tackling the various problems associated with this debilitating and still deadly disease. ALA/ATS, ESMO, IASLC, JRS and ERS will highlight the most recent aspects of care from their individual perspectives, with the aim of building an international lung cancer alliance.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Imaging Public health Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Mina Gaga (Athens, Greece), Jan van Meerbeeck (Edegem (Antwerp), Belgium)

10:45	Official ceremony for signature of joint agreement between ERS and IALSC	472
10:45	Key issues in optimising and implementing low-dose computed tomography lung cancer-screening programmes David Baldwin (Nottingham (Nottinghamshire), United Kingdom)	473
11:09	The ALA/ATS implementation guide on lung cancer screening Carey C. Thomson (Boston, United States of America)	474
11:33	IASLC PD-L1 Blueprint Project Fred R. Hirsch (Aurora, United States of America)	475
11:57	The Asian experience in co-existing lung cancer and interstitial lung disease Yoichi Nakanishi (Fukuoka, Japan)	476
12:21	Lung cancer immunotherapy Solange Peters (Lausanne, Switzerland)	477

7.3B Session 74 10:45 - 12:45

Oral presentation: Mechanisms that underlie exercise limitation in various respiratory diseases

Disease(s) : Pulmonary vascular diseases Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Epidemiology

Chairs : J. Alberto Neder (Kingston (ON), Canada), Zafeiris Louvaris (Leuven, Belgium)

OA478	Effects of maximal volitional hyperpnoea on exercise tolerance and locomotor muscle fatigue Michael Johnson (Nottingham (Nottinghamshire), United Kingdom), Robert Needham, Ryan Williams, Jack Ashby, Neil Williams, Dean Mills, Graham Sharpe
OA479	Sensory consequences of critical inspiratory constraints during exercise in pulmonary arterial hypertension Franciele Plachi (Porto Alegre, Brazil), Rui Dorneles, Bianca Feldmann, Vinicius Timm, Igor Benedetto, Marcelo Gazzana, José Alberto Neder, Danilo Cortozzi Berton

- OA480** **Impaired cerebral oxygenation and exercise tolerance in patients with severe obstructive sleep apnoea syndrome**
Mathieu MARILLIER (Echirolles, France), Mathieu Gruet, Sebastien Baillieux, Bernard Wuyam, Renaud Tamisier, Patrick Levy, Jean-Louis Pepin, Samuel Verges
- OA481** **Thoracoabdominal asynchrony contributes to exercise limitation in mild asthmatic subjects**
Guilherme Augusto Freitas Fregonezi (Rio Grande do Norte, Brazil), Antonio Sarmento, Janaina Pinto, Antonella Lomauro, Vanessa Resqueti, Andrea Aliverti
- OA482** **The relationship between lung function and blood pressure and the mediation role of physical activity and cardiorespiratory fitness in adults: cross-sectional results from the EPIMOV study**
Victor Dourado (Santos (SP), Brazil), Flávio Almeida, Vitor Almeida, Evandro Sperandio, Marcello Romiti, Antônio Gagliardi, Rodolfo Arantes
- OA483** **Exercise ventilatory inefficiency in adults with Cystic Fibrosis with normal to moderate impairment in lung function**
Marcello Di Paolo (Roma (RM), Italy), Elisabetta Teopompi, Daniela Savi, Ernesto Crisafulli, Chiara Longo, Panagiota Tzani, Francesco Longo, Antonella Ielpo, Giovanna Pisi, Giuseppe Cimino, Alfredo Chetta, Paolo Palange
- OA484** **Exercise capacity in patients with cystic fibrosis vs non-cystic fibrosis bronchiectasis**
Ronen Bar-Yoseph (Haifa, Israel), Anat Ilivitzki, Michal Gur, Gur Mainzer, Fahed Hakim, Galit Livnat, Zeev Schnapp, George George Shalloufeh, Merav Zucker-Toledano, Yael Subar, Lea Bentur

7.3Z2

Session 75

10:45 - 12:45

Symposium: Multidisciplinary approach to ground-glass opacities

Aims : to review the current guidelines regarding the management and follow-up of ground-glass opacity (GGO) nodules in the light of experience from screening trials; and to describe the use of minimally invasive tissue biopsies and the marking of GGO nodules for surgery.

Disease(s) : **Interstitial lung diseases** **Thoracic oncology**

Method(s) : Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Dragan R. Subotic (Beograd, Republic of Serbia), Paola Rogliani (Roma (RM), Italy)

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| 10:45 | Ground-glass opacity - computed tomography features
Sara Piciocchi (Forlì, Italy) | 485 |
| 11:15 | Differential diagnosis of ground-glass opacity lung nodules
Sara Colella (Teramo (TE), Italy) | 486 |
| 11:45 | Radioguided video-assisted resection of non-palpable solitary pulmonary nodule/ground-glass opacity
Luca Bertolaccini (Bologna (BO), Italy) | 487 |
| 12:15 | Outcomes of surgical resections of pulmonary ground-glass opacity nodules
Yong Soo Choi (Seoul, Republic of Korea) | 488 |

7.3K

Session 76

10:45 - 12:45

Symposium: Gene-environment interactions in the omics era

Aims : to review current knowledge about gene-environment (GxE) interactions in respiratory disease, which are believed to underlie the well-known fact that individuals respond differently to various environmental exposures such as tobacco smoke and air pollutants; to outline the clinical implications of what we know about GxE interactions and the future directions for studies and public health actions; to describe basic concepts about GxE interactions, provide examples of successful GxE studies in the literature, highlight methodological challenges and describe optimal study design. In particular, the GxE interactions in the omics era will be reviewed, namely, how these interactions are being evaluated at the DNA, epigenetic, transcriptomic and proteomic level.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases**

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Translational

Target audience : Paediatrician, Policy maker, Scientist (basic, translational)

Chairs : H. Marike Boezen (Groningen, Netherlands), Klaus Bonnelykke (Allerød, Denmark)

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|-------|--|-----|
| 10:45 | The optimal study design for identifying gene-environment interaction effects in large-scale studies
Florence Demenais (Paris, France) | 489 |
|-------|--|-----|

11:15	Using omics data to detect gene-environment interactions - results from studies on air pollution and asthma Erik Melén (Stockholm, Sweden)	490
11:45	Lessons in gene-environment interactions from the UK Biobank - clinical implications Ian P. Hall (Nottingham (Nottinghamshire), United Kingdom)	491
12:15	Identifying individuals who are susceptible to the effects of environmental exposures - implications for public health actions Isabella Annesi Maesano (Paris, France)	492

7.3Q Session 77 10:45 - 12:45

Oral presentation: Pleural disease: diagnosis, monitoring and management

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Imaging Physiology

Chairs : Marios E. Froudarakis (Alexandroupolis, Greece), Julius P. Janssen (Nijmegen, Netherlands)

OA493	The DIAPHRAGM study: Diagnostic and prognostic biomarkers in the rational assessment of Mesothelioma Kevin Blyth (Glasgow (Glasgow), United Kingdom), Selina Tsim, Caroline Kelly, Laura Alexander, Ann Shaw, James Paul, Rosemary Woodward, John Foster
OA494	Recurrence rates in primary spontaneous pneumothorax: results of systematic review Steven Walker (Bristol (Avon), United Kingdom), Paul White, Nick Maskell
OA495	Results of pre-EDIT; a randomised feasibility trial of Elastance-Directed Intra-pleural catheter or Talc Pleurodesis (EDIT) in malignant pleural effusion Kevin Blyth (Glasgow (Glasgow), United Kingdom), Geoffrey Martin, Andrew Kidd, Selina Tsim, Rosmary Woodward, Tracey Hopkins, John Foster, Philip Mcloone
OA496	Needle Based Confocal Laser Endomicroscopy (nCLE) for Diagnosing Malignant Pleural Mesothelioma Lizzy Wijmans (Amsterdam, Netherlands), Maria Disselhorst, Daniel De Bruin, Joris Roelofs, Onno Mets, Peter Bonta, Paul Baas, Jouke Annema
OA497	Intrapleural anaesthesia for medical thoracoscopy - a pilot study Mahmoud Reda (Alexandria , Egypt), Mahmoud Reda (Cairo, Egypt), Asmaa Gomaa, Maged Hassan, Mostafa Shaheen, Salah Sorour
OA498	Does talc increase risk of non-draining septated pleural effusion after indwelling pleural catheter insertion? Rachelle Ascik (Oxford (Oxfordshire), United Kingdom), Rachel M Mercer, Robert J Hallifax, Maged F Hassan, Nikolaos Kanellakis, John M Wrightson, Ioannis Psallidas, Najib M Rahman
OA499	68Ga-DOTA-NT-20.3. An innovative probe for neurotensin receptor-positive tumor imaging in the diagnosis of malignant pleural mesothelioma Manuela Marengo (PAVIA (PV), Italy), Vanessa Frangipane, Marina Hodolic, Simona Inghilleri, Giulia Maria Stella, Federica Meloni, Lorenzo Lodola

7.3M Session 78 10:45 - 12:45

Oral presentation: A fresh view on airway differentiation and regeneration

Disease(s) : Airway diseases Respiratory infections Respiratory infections Interstitial lung diseases

Method(s) : Physiology Cell and molecular biology

Chairs : Herbert Schiller (Munich, Germany), H. Irene Heijink (Groningen, Netherlands)

OA500	Late Breaking Abstract - Lung extracellular matrix hydrogel as bioink for 3D bioprinting: a model for studying cell-matrix crosstalk Jorge Otero (Barcelona, Spain), Bryan Falcones, Kest Verstappen, Esther Marhuenda, Isaac Almendros, Daniel Navajas, Ramón Farré Ventura
OA501	LSC - 2018 - miR449 protects airway cilia and healthy lung ageing Muriel Lizé (Göttingen, Germany), Merit Wildung (mwildun1@gwdg.de / University Medical Center Goettingen, Clinic for Cardiology and Pneumology, Goettingen), Christian Herr (christian.herr@uks.eu / Department of Internal Medicine V- Pulmonology, Allergology , Respiratory and Environmental Medicine, Saarland University, Homburg), Mihai Alevra (malevra@gwdg.De / University of Goettingen, Goettingen), Stefan Andreas (stefan.andreas@med.uni-goettingen.de / University Medical Center Goettingen, Clinic for Cardiology and Pneumology, Goettingen), Dietmar Riedel (driedel@gwdg.de / Max Planck for Biophysical Chemistry, Goettingen)

- OA502** **COPD epithelial phenotype shows partial reversibility in long-term primary epithelial ALI-cultures**
François Carlier (Watermael-Boitsfort, Belgium), Bruno Detry, Yves Sibille, Charles Pilette
- OA503** **cKIT cells in human bronchial epithelium in asthma**
Asuncion Martinez Anton (Marseille, France), Delphine Gras, Céline Garulli, Patrice Dubreuil, Pascal Chanez
- OA504** **Differentiation of Induced Pluripotent Stem Cells (iPSC) into human bronchial epithelium from healthy and severe COPD patients.**
Engi Ahmed (Montpellier, France), Said Assou, Mathieu Fieldes, Isabelle Vachier, Pascal Chanez, John De Vos, Arnaud Bourdin
- OA505** **Novel cell types and altered cell states in asthma revealed by single-cell RNA sequencing of airway wall biopsies.**
Martijn C. Nawijn (Groningen, Netherlands), Orestes Carpaij, Felipe Vieira Braga, Marijn Berg, Sharon Brouwer, Gozde Kar, Sarah Teichmann, Maarten Van Den Berge
- OA506** **From Dictyostelium to human airway epithelium: adenine nucleotide translocase enhances cellular respiration and ciliary function disrupted by cigarette smoke**
Jennifer Nguyen (Baltimore, United States of America), Corrine Kliment, Yawen Lu, Steven Claypool, Sumana Raychaudhuri, Shigeki Watanabe, Pablo Iglesias, Venkataramana Sidhaye, Douglas Robinson
- OA507** **Functional analysis of PIERCE1, in motile ciliogenesis**
Priyanka Anujan (SHEFFIELD, United Kingdom), Sudipto Roy, Lynne Bingle, Colin D Bingle

7.30 **Session 79** **10:45 - 12:45**

Oral presentation: Cystic fibrosis: microbiological aspects and new treatments

Disease(s) : Respiratory infections Respiratory infections

Method(s) : Imaging General respiratory patient care Cell and molecular biology Epidemiology

Chairs : Jürg Barben (St. Gallen, Switzerland), Edward McKone (Dublin, Ireland)

- OA508** **Prevalence and effect of early lower airway infections in cystic fibrosis**
Oded Breuer (Perth, Australia), André Schultz, Lidija Turkovic, Sarath Ranganathan, Stephen Stick, Daan Caudri
- OA509** **Prospective case-control study describing the lower airway microbiome in pre-school children with cystic fibrosis**
Barry Linnane (Co. Limerick, Ireland), Paul Cotter, Orla O'Sullivan, Fiona Crisbie, Aaron Walsh, Julie Renwick, Paul McNally
- OA510** **Antibody testing for Mycobacterium avium complex infection in cystic fibrosis patients**
Cecilie Ravnholt (Copenhagen N, Denmark), Tavs Qvist, Tania Pressler, Mette Kolpen, Niels Høiby
- OA511** **Detection of Pseudomonas aeruginosa in exhaled breath of cystic fibrosis patients**
Anne H. Neerinx (Amsterdam, Netherlands), Paul Brinkman, Pim Van Der Gouwe, Tamara Paff, Niki Fens, Marije G. Gerritsen, Eric Haarman, Wim M.C. Van Aalderen, Christof J. Majoor, Els J.M. Weersink, Lieuwe D. Bos, Peter J. Sterk, Anke-Hilse Maitland-Van Der Zee & The Amsterdam Cf Research Group
- OA512** **Distinct volatile markers from Cystic Fibrosis pathogens with Secondary Electrospray Ionisation High-resolution Mass Spectrometry (SESI-HRMS)**
Astghik Baghdasaryan (Yerevan, Armenia), Tobias Bruderer, Simona Mueller, Ronja Weber, Naemi Haas-Baumann, Srdjan J. Micic, Christoph Berger, Renato Zenobi, Alexander Möller
- OA513** **Randomized, double-blind, controlled trial of preventive inhalation of hypertonic saline in infants with CF (PRESIS)**
Mirjam Stahl (Heidelberg, Germany), Mark Wielpuetz, Isabell Ricklefs, Simon Graeber, Olaf Sommerburg, Gesa Diekmann, Christian Dopfer, Sandra Barth, Anne Schlegtendal, Cordula Koerner-Rettberg, Lutz Naehrlich, Burkhard Tuemmler, Matthias Kopp, Marcus Mall
- OA514** **Targeting aENaC with an epithelial RNAi trigger delivery platform for the treatment of cystic fibrosis**
Erik Bush (Madison, United States of America), Anthony Nicholas, Tao Pei, Ine Kuipers, Weijun Cheng, Holly Hamilton, Julia Hegge, Xiaokai Li, Agnieszka Glebocka, Rui Zhu, Bo Chen, Philip Kuehl, Thomas Schlupe, Zhen Li

7.3P **Session 80** **10:45 - 12:45**

Oral presentation: New pharmacological strategies in airway diseases

Disease(s) : Respiratory critical care Airway diseases Respiratory infections Interstitial lung diseases Respiratory infections

Method(s) : Respiratory intensive care Surgery Transplantation Cell and molecular biology General respiratory patient care Imaging Physiology

Chairs : Gaetano Caramori (Messina (ME), Italy), Hannu Kankaanranta (Seinäjoki, Finland)

- OA515** **Late Breaking Abstract - Aerosolized gold nanoparticles as a vehicle for prolonged donor lung treatment**
ANDREACAROLA URSO (NEW YORK, United States of America), Veronica Collico, Miriam Colombo, Federica Meloni, Christopher Damoci, Guillermina Garcia, Kazuki Sugahara, Frank D'Ovidio
- OA516** **Late Breaking Abstract - CRAC channel inhibition by RP3128 triggers potent anti-inflammatory effects in COPD or asthmatic patient-derived primary cells**
Srikant Viswanadha (La Chaux-de-Fonds, Switzerland), Julio Cortijo, Javier Milara, Swaroop Vakkalanka
- OA517** **Late Breaking Abstract - Increased type 2 inflammation in patients with asthma post rhinovirus infection**
Thomas Southworth (Manchester (Greater Manchester), United Kingdom), Caroline Pattwell, Sarah F. Mowbray, Robert M. Strieter, Veit J. Erpenbeck, Dave Singh
- OA518** **Late Breaking Abstract - Insulin potentiates methacholine and serotonin-induced increases in tracheal smooth muscle intracellular calcium**
Becky Proskocil (Portland, United States of America), David Jacoby, Allison Fryer, Zhenying Nie
- OA519** **Late Breaking Abstract - Development of an ex vivo pediatric preclinical model of bronchopulmonary dysplasia for aerosol regional deposition studies**
Yoann Montigaud (Saint-Etienne Cedex 2, France), Sophie Perinel, Jean-Christophe Dubus, Marie Suau, Lara Leclerc, Nathalie Prevot, Jeremie Pourchez
- OA520** **Late Breaking Abstract - TGF- β impairs fibroblast ability to support lung organoid formation: pharmacological restoration by GSK-3 inhibition and secreted niche factor supplementation**
Reinoud Gosens (Groningen, Netherlands), John-Poul Ng-Blichfeldt, Victor Guryev, Pieter Hiemstra, Tristan De Jong, Rosa Kortekaas, Jan Stolk, Melanie Königshoff
- OA521** **Late Breaking Abstract - Daily physical activity in patients with severe eosinophilic asthma and the effect of anti-IL5 therapy.**
Marios Panagiotou (Athens, Greece), Sotiris Gyftopoulos, Serafim Nanas, Nikolaos Koulouris, Rovina Nikoletta
- OA522** **Late Breaking Abstract - Explore the effective dose of bronchodilator nebulization via high flow nasal cannula in adult COPD and asthma patients**
Jie Li (Beijing, China), Maierbati Hadeer, Minghua Zhao, James Fink

7.3L Session 81 10:45 - 12:45

Poster discussion: Challenges in treating tuberculosis and nontuberculous mycobacteria

Disease(s) : Respiratory infections Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Public health Epidemiology General respiratory patient care

Chairs : Dirk Wagner (Freiburg, Germany), Margareth Maria Pretti Dalcolmo (Rio De Janeiro (RJ), Brazil)

- PA523** **Risk score of drug-induced liver injury among new tuberculosis patients**
Diana Ivanova (Moscow, Russian Federation), Diana Ivanova, Sergey Borisov
- PA524** **Ursodeoxy cholic acid (UDCA) reverses hepatotoxicity of multidrug treatment of mycobacterial infections**
Susanne Lang (Gera, Germany), Sven Rostig, Helmut Schiffl
- PA525** **Efficacy of small-volume plasmapheresis application for MDR/XDR TB patients with medicinal live damag?**
Anastasia Samoilova (Moscow, Russian Federation), Eduard Vaniev, Irina Vasilyeva, Olga Lovacheva, Atadzhan Ergeshov
- PA526** **The frequency of cases of hepatotoxic reactions in first diagnosed patients with pulmonary tuberculosis**
Alexey Kazakov (Moscow, Russian Federation), Galina Mojokina, Sergey Smerdin, Valentina Aksenova, Nadejda Klevno
- PA527** **DETERMINATION OF THE INDIVIDUAL TYPE OF BIOTRANSFORMATION OF ISONIAZID IN PATIENTS WITH LUNG TUBERCULOSIS BY MOLECULAR TESTS**
Ksenia Galkina (Moscow, Russian Federation), Elena Nosova, Maria Krasnova, Anastasia Khalhalina, Aleksandra Isakova, Svetlana Safonova
- PA528** **A review of in-house Video Observed Therapy (VOT) for patients with active tuberculosis(TB), in a London teaching hospital.**
Kavina Manalan (London, United Kingdom), Krishna Sivakumaran, Michael Nayagam, Beth Villanueva, Catherine Cosgrove, Anne Dunleavy
- PA529** **Video observed treatment for tuberculosis patients in Belarus.**
Alena Skrahina (Minsk region, Belarus), Heorhi Sinkou, Vasilij Akulov, Viatcheslav Grankov, Alistair Story, Henadz Hurevich, Masoud Dara
- PA530** **Does hospitalization influence tuberculosis' treatment outcome? – A Portuguese nationwide study**
Rita Boaventura (Porto, Portugal), João Vasco Santos, João Viana, Alberto Freitas, Raquel Duarte

PA531	Tuberculosis in women: A reflection of gender inequity Kanchan Srivastava (Lucknow (Uttar Pradesh), India), Surya Kant, Apoorva Narain, Jyoti Bajpai
PA532	Tuberculosis and tobacco: is there any epidemiological association? Eva Filipa de Sousa Antunes Dias Padrão (Braga, Portugal), Olena Oliveira, Óscar Felgueiras, Ana Rita Gaio, Raquel Duarte
PA533	Comparative study of tuberculosis in smokers and non-smokers fatimazahra chaaibate (CASABALANCA, Morocco), Hasna Jabri, Wiam Elkhatabi, Hicham Afif
PA534	A new type of mediterranean mycobacteriosis Kathleen Jahn (Basel, Switzerland), Veronika Baettig, Helena Seth-Smith, Michael Tamm, Adrian Egli
PA535	Characterization of drug susceptibility of nontuberculous mycobacteria of M.chelonae and M.fortuitum complexes. Marina Makarova (Nizhnokamsk (Republic Tatarstan), Russian Federation), Elena Khachaturiants, Maria Krasnova, Ksenia Galkina, Julia Mikhailova, Lidia Guntupova, Vitalii Litvinov
PA536	Drug susceptibility of slowly growing nontuberculous mycobacteria (sNTM) isolated in the European part of Russian Federation Tatiana Smirnova (Moscow, Russian Federation), Atadzhan Ergeshov, Sofya Andreevskaya, Irina Andrievskaya, Ekaterina Kiseleva, Elena Larionova, Larisa Chernousova
PA537	Significance of Mycobacterium Avium Complex (MAC) isolation in bronchoscopic samples Eva Tabernero Hugueta (Bilbao (Bizkaia), Spain), Sandra Pedrero Tejada, Idoia Salinas Garrido, Elena Urra Zabildegoitia, Isabel Lopez Aranaga, Rafael Zalacain Jorge
PA538	Association between injectable aminoglycoside treatment duration and outcomes in cavitary Mycobacterium avium complex lung disease Ock-Hwa Kim (Seoul, Republic of Korea), Byoung Soo Kwon, Younsuck Koh, Woo-Sung Kim, Jin-Woo Song, Yeon-Mok Oh, Sang-Do Lee, Sei Won Lee, Jae-Seung Lee, Chae-Man Lim, Chang-Min Choi, Jin-Won Huh, Sang-Bum Hong, Tae Sun Shim, Kyung-Wook Jo
PA539	The effect of alcohol consumption in the treatment of nontuberculous mycobacteria Maria Gabriel Gonçalves Jacob (Porto, Portugal), Ricardo Silva, Rita Gaio, Raquel Duarte, Bethany Ahlers (Bethany.Ahlers@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Catrina Hood (Catrina.Hood@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Bin Deng (Bin.Deng@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Ying-Wai Lam (Ying-Wai.Lam@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Erica Beatman (BeatmanE@NJHealth.org / National Jewish Health, Denver, CO), Kelly Schweitzer (SchweitzerK@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Irina Petrache (PetracheI@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Daniel Weiss (daniel.weiss@uvm.edu / University of Vermont, College of Medicine, Burlington, VT), Darcy Wagner (darcy.wagner@med.lu.se / Lund University, Lund)

Terminal 7

Session 82

10:45 - 12:45

Oral presentation: Clinical news in idiopathic interstitial pneumoniasDisease(s) : [Interstitial lung diseases](#) [Thoracic oncology](#)

Method(s) : Respiratory intensive care Transplantation General respiratory patient care Endoscopy and interventional pulmonology Cell and molecular biology Imaging Epidemiology

Chairs : Vincent Cottin (Lyon, France), Sara Tomassetti (Forli, Italy)

OA540	Late Breaking Abstract - Prevalence and clinical significance of antinuclear antibody (ANA) in IPF: analysis from ESTAIR study Peter Wung (Sugar Land, United States of America), Ganesh Raghu, Bruno Crestani, Luca Richeldi, Corinne Esperet, Christina Soubrane
OA541	Four metre gait speed (4MGS) predicts mortality and hospitalisation in IPF Claire M. Nolan (London, United Kingdom), Matthew Maddocks, Toby M Maher, Sarah E Jones, Suhani Patel, Ruth E Barker, Peter M George, Paul Cullinan, William D-C Man
OA542	A global perspective on acute exacerbation of idiopathic pulmonary fibrosis (AE-IPF): results from an international survey Michael Kreuter (Heidelberg, Germany), Markus Polke**, Simon Walsh, Harold R Collard, Nazia Chaudhuri, Sergey Avdeev, Juergen Behr, Greg Calligero, Tamera Corte, Kevin Flaherty, Manuela Funke, Martin Kolb, Yasuhiro Kondoh, Toby M. Maher, Maria Molina Molina, Antonio Morais, Karen Moor, Julie Morisset, Carlos Pereira, Silvia Quadrelli, Moises Selman, Argyrios Tzouveleakis, Carlo Vancheri, Vanesa Vicens-Zygmunt, Julia Waelscher, Wim Wuyts, Marlies Wijnsbeek**, Vincent Cottin**, Elisabeth Bendstrup**

- OA543 Associations of interstitial lung abnormalities with physical function measures**
Gisli Thor Axelsson (Selfoss, Iceland), Rachel K Putman, Ezra R Miller, Tetsuro Araki, Sigurdur Sigurdsson, Elias F Gudmundsson, Gudny Eiriksdottir, Kristin Siggeirsdottir, Thor Aspelund, Lenore J Launer, Tamara B Harris, Hiroto Hatabu, Vilmundur Gudnason, Gary M Hunninghake, Gunnar Gudmundsson
-
- OA544 INTERSTITIAL LUNG DISEASE IN A LUNG CANCER SCREENING PROGRAM: PREVALENCE AND ASSOCIATION WITH CANCER.**
Aranzazu Campo Ezquibela (Pamplona (Navarra), Spain), Amaia Merino Hernandez, Jessica Gonzalez Gutierrez, Marta Marin Oto, Ana Belen Alcaide Ocana, Juan Pablo De Torres Tajés, Javier Zulueta Frances
-
- OA545 Longitudinal outcomes of patients enrolled in a phase Ib clinical trial of the Adipose Derived Stromal Cells-Stromal Vascular Fraction in Idiopathic Pulmonary Fibrosis**
Paschalis Ntoliou (Alexandroupolis, Greece), Eleni Manoloudi, Argyrios Tzouveleakis, Evangelos Bouros, Paschalis Steiropoulos, Stavros Anevlavis, Demosthenes Bouros, Marios Froudarakis
-
- OA546 Nintedanib plus sildenafil in patients with idiopathic pulmonary fibrosis (IPF): the INSTAGE trial**
Martin Kolb (Hamilton (ON), Canada), Athol Wells, Jürgen Behr, Luca Richeldi, Birgit Schinzel, Manuel Quaresma, Susanne Stowasser, Ganesh Raghu, Fernando J Martinez
-
- OA547 Contribution of mutations in genes of the surfactant system to idiopathic interstitial pneumonia (IIP)**
Nadia Nathan (Paris, France), Marie Legendre, Emilie Filhol-Blin, Raphael Borie, Diane Bouvry, Mickael Afanetti, Kais Ahmad, Juliette Albuissou, Nathalie Allou, Carole Bailly, Keren Borensztajn, Afifaa Butt, Bruno Copin, Aurore Coulomb L'Hermine, Bruno Crestani, Jean-Charles Dalphin, Marie-Laure Dalphin, Florence Dastot Le Moal, Christophe Delacourt, Bertrand Delaisi, Antoine Deschildre, Paul De Vuyst, Bruno Diot, Claire Dromer, Jean-Christophe Dubus, Philippe Duquesnoy, Lisa Giovannini-Chami, Violaine Giraud, Carine Gomez, Anne Gondouin, Laurent Gouya, Alice Hadchouel, Sandrine Hirschi, Veronique Houdouin, Dominique Israel Biet, Caroline Kannengiesser, Claire Lefevre, Effrosyne Manali, Sylvain Marchand-Adam, Christophe Marguet, Jean-Marc Naccache, Valerie Nau, Hilario Nunes, Oisín O'Connell, Katherine O'Reilly, Spyros Papiris, Clement Picard, Gregoire Prevot, Philippe Reix, Martine Reynaud-Gaubert, Elisabeth Rivaud, Elise Schaefer, Aurelie Tatopoulos, Julie Traclet, Françoise Troussier, Dominique Valeyre, Vincent Cottin, Annick Clement, Serge Amselem

7.2A Session 83 10:45 - 12:45

Poster discussion: Assessing pathophysiology in children

Disease(s) : Sleep and breathing disorders

Method(s) : Imaging Endoscopy and interventional pulmonology General respiratory patient care Epidemiology Physiology

Chairs : Shannon Simpson (Perth (WA), Australia), Peter Coss (Dublin 8, Ireland)

- PA548 Evaluating the respiratory health of children with spinal muscular atrophy (SMA) type 1 on Nusinersen**
Chris Grime (Liverpool, United Kingdom), Lisa Edel, Victoria Robinson, Gareth Rendel, Francois Abel, Elaine Chan
-
- PA549 Comparison of oxygen desaturation index and apnoea-hypopnoea index for categorising OSA in children.**
Courtney Dos Santos (London, United Kingdom), Martin Samuels, Aidan Laverty, Emma Raywood
-
- PA550 Residual obstructive sleep apnoea symptoms after adenotonsillectomy in children**
Mahesh Babu Ramamurthy (Singapore, Singapore), Michael T C Lim, Daniel Y.T Goh, Woei Shyang Loh, Maria Jimenez
-
- PA551 Evaluation of the sleep history in predicting sleep disordered breathing in children**
Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), David Luyt
-
- PA552 Obstructive events in children with Prader-Willi syndrome occur predominantly during REM sleep**
Athanasios G. Kaditis (Athens, Greece), Anastasia Polytaichou, Georgia Katsouli, Marina Tsaousoglou, Polytimi Panaghiotopoulou-Gartagani
-
- PA553 Can Drug- Induced Sleep Endoscopy in children predict OSA persistence after adenotonsillectomy**
Silke Anna Theresa Weber (Botucatu (SP), Brazil), Jefferson Barros, Antonio Carlos Marão
-
- PA554 Usefulness of symbolic dynamics to characterize oximetric recordings from a smartphone in the detection of pediatric sleep apnea**
Daniel Álvarez (Valladolid, Spain), Ainara Garde, Andrea Crespo, Fernando Vaquerizo-Villar, Gonzalo C Gutiérrez-Tobal, Ana Cerezo-Hernández, J Mark Ansermino, Guy A Dumont, Roberto Hornero, Félix Del Campo
-
- PA555 Diagnosis of peripheral obstructive pattern in children**
Nicole Beydon (Paris, France), Edouard Dufetelle
-
- PA556 Effect of preterm-birth on later bronchial hyper-responsiveness: a systematic review.**
Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Thomas Halvorsen, Hege Clemm, Sailesh Kotecha

- PA557 Ventilatory efficiency during exercise: data from a contemporary cohort of preterm-born children**
John Lowe (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Michael Cousins, Sailesh Kotecha
-
- PA558 Exercise capacity and response of exercise-induced bronchoconstriction to bronchodilator in preterm-born children with low lung function**
Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Mark Williams, John Henderson, Sailesh Kotecha
-
- PA559 Forced oscillation technique to assess exercise and post-exercise bronchodilator responses in preterm-born children**
Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Bence Radics, Dorottya Czovek, Zoltan Hantos, Peter Sly, John Henderson, Sailesh Kotecha
-
- PA560 Effect of late preterm birth on Lung Clearance Index and respiratory physiology in school age children**
Karin Yaacoby-Bianu (Haifa, Israel), Moran Toder Plonsky, Michal Gur, Amir Kugelman, Lea Bentur
-
- PA561 Effect of respiratory muscle function on exercise capacity of school-aged children born preterm**
Sotirios Fouzas (Patras, Greece), Aggeliki Vervenioti, Gabriel Dimitriou
-
- PA562 PERINATAL INFLAMMATION AND INTRAUTERINE GROWTH RETARDATION ARE BOTH ASSOCIATED WITH LUNG FUNCTION IMPAIRMENT AT 12 YEARS OF AGE IN VERY PRETERM INFANTS**
Cecilia Hagman (Lund, Sweden), Ingrid Pupp-Hansen, Lars Bjorklund, Ellen Tufvesson
-
- PA563 Feasibility of specific ventilation imaging using oxygen enhanced magnetic resonance imaging (OEMRI) in adolescents.**
Rathnini Jayasuriya (Sydney (NSW), Australia), Terri Walker, Rui Sá, Paul Robinson, Greg King, Kim Prisk, Rebecca Theilman, Emma Coward, Brendan Kennedy, Hiran Selvadurai
-
- PA564 Functional dead space in children with cystic fibrosis or primary ciliary dyskinesia.**
Florian Singer (Bern, Switzerland), Benjamin Stettler, Jeremias Wolfensberger, Insa Korten, Carmen Casaulta, Sylvia Nyilas, Cordula Rettberg, Kathryne Ramsey, Philipp Latzin
-
- PA565 Natural variability of lung clearance index and FEV1 in children and young adults with Primary Ciliary Dyskinesia**
Florian Singer (Bern, Switzerland), Anne Schlegtendal, Sylvia Nyilas, Philipp Latzin, Mieke Boon, Cordula Koerner-Rettberg

7.2B Session 84 10:45 - 12:45

Poster discussion: COPD phenotypes: 1 antitrypsin deficiency and beyond

Disease(s) : Pulmonary vascular diseases Airway diseases Respiratory critical care Respiratory infections Respiratory infections

Method(s) : Imaging Epidemiology General respiratory patient care Cell and molecular biology

Chairs : Elizabeth Sapey (Birmingham (West Midlands), United Kingdom), Laura Fregonese (London, United Kingdom)

- PA566 Late Breaking Abstract - Resistomics of sputum from COPD and healthy subjects reveals bacterial load-related prevalence of antimicrobial-resistance-encoding genes**
Mohammadali Yavari Ramsheh (Leicester (Leicestershire), United Kingdom), Koirobi Haldar, Mona Bafadhel, Vijay Mistry, Leena Goerge, Marco Oggioni, Mike Barer, Chris Brightling
-
- PA567 Late Breaking Abstract - Identification of obstructive lung disease in Austrian pharmacies - a multi-site, cross-sectional case finding study**
Philipp Krug (Salzburg, Austria), Maria Flamm, Bernd Lamprecht, Bernhard Kaiser, Michael Studnicka
-
- PA568 Effect of exacerbations on lung density in alpha-1 antitrypsin deficiency: Subgroup analysis of the RAPID trial programme**
Charlie Strange (Charleston, United States of America), N. Gerard McElvaney, Claus Vogelmeier, Michael Fries, Jinesh Shah, Amgad Shebl, Oliver Vit, Marion Wencker, Kenneth R. Chapman
-
- PA569 Screening of chronic liver disease by transient elastography in patients with lung disease associated with alpha-1 antitrypsin deficiency.**
Miriam Barrecheguren Fernandez (Barcelona, Spain), Mónica Pons, María Torres, Ramón Antonio Tubio, Alexa Núñez, Ignacio Martín-Granizo, Montserrat Figueira-Álvarez, Esther Rodríguez, Cristina Esquinas, Joan Genesca, Marc Miravittles
-
- PA570 Factors associated with testing of COPD patients for serum AAT levels to detect cases of AATD. The EPOCONSUL study.**
Gianna Vargas Centanaro (Madrid, Spain), Juan Luis Rodriguez Hermosa, Joan B Soriano, José Luis López-Campos, Juan José Soler Cataluña, José Rodríguez Gonzalez Moro, Bernardino Alcázar Navarrete, Myriam Calle Rubio
-
- PA571 Effects of double dose alpha 1 antitrypsin (AAT) therapy on cytokine pathways in AAT Deficiency (AATD)**
Michael Campos (Miami, United States of America), Patrick Geraghty, Gregory Holt, Elio Donna, Eliana Mendes, Luis Escobar, Landy Luna, Robert Stockley

- PA572** **Family screening in alpha1-antitrypsin deficiency**
Ana Filipa Cruz e Costa (taveiro, Portugal), Inês Albuquerque Monteiro
-
- PA573** **Characteristics of COPD patients and alpha-1 antitrypsin deficiency at outpatient respiratory clinics. The EPOCONSUL study.**
Gianna Vargas Centanaro (Madrid, Spain), J.L. Rodriguez Hermosa, J.B. Soriano, J.L. López- Campos, J.J. Soler-Cataluña, J.M. Rodríguez Gonzalez Moro, B. Alcázar, M. Calle Rubio
-
- PA574** **Description and analysis of the Alpha 1 antitrypsin deficient genotypes in the southwest area of Galicia (Spain)**
Ramon Antonio Tubio Perez (, Spain), Maria Torres Duran, Milagros Blanco Perez, Cristina Ramos Hernandez, Cecilia Mouronte Roibas, David Dacal Rivas, Victoria Arnalich Montiel, Alberto Fernandez Villar
-
- PA575** **Clinical phenotyping of COPD patients: a simple tool with prognosis value**
Ahmed Ben Saad (Monastir, Tunisia), Nesrine Fahem, Saousen Cheikh Mhamed, Asma Migaou, Samah Joobeur, Naceur Rouatbi
-
- PA576** **The discriminatory capacity of symptoms to distinguish undiagnosed COPD from non-COPD**
Kate Johnson (Vancouver (BC), Canada), Wan Tan, Jean Bourbeau, Mohsen Sadatsafavi
-
- PA577** **Airway morphometry in COPD-bronchiectasis overlap.**
Stephanie Everaerts (Leuven, Belgium), Stijn Verleden, John McDonough, Jef Serré, Carolien Mathysen, Matthieu Boone, Iván Josipovic, Lieven Dupont, Bart Vanaudenaerde, Wim Janssens
-
- PA578** **Association of NRAMP1 gene polymorphisms with COPD clinical signs**
Sophia V. Nesterovich (Tomsk, Russian Federation), Ekaterina B. Bukreeva
-
- PA580** **Altered serum metabolomics in COPD: analysis of the SPIROMICS cohort**
Wassim Labaki (Ann Arbor, United States of America), Tian Gu, Susan Murray, Jeffrey Curtis, Russell Bowler, R. Graham Barr, Eric Hoffman, Alejandro Comellas, Nadia Hansel, Christopher Cooper, Richard Kanner, Robert Paine Iii, Gerard Criner, Mark Dransfield, Merry-Lynn McDonald, Jerry Krishnan, Eugene Bleeker, Stephen Peters, Prescott Woodruff, Wanda O'Neal, Wenqi Diao, Bei He, Fernando Martinez, Theodore Standiford, Kathleen Stringer, Meilan Han
-
- PA581** **Analysis and comparison of the transcriptome of COPD patients with and without lung cancer**
Renata Ferrari (Botucatu (SP), Brazil), Guillaume Noell, Laura Caram, Suzana Tanni, Ludimila Nogueira, Simone Vale, Erica Hasimoto, Raul Ruiz, Rosa Faner, Alvar Agustí, Irma Godoy

7.2C Session 85 10:45 - 12:45

Poster discussion: Regenerative and anti-fibrotic approaches

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#) [Respiratory critical care](#) ■

Method(s) : Imaging Endoscopy and interventional pulmonology Transplantation Cell and molecular biology

Chairs : Darcy Wagner (Lund, Sweden), Maria Rosa Faner Canet (Barcelona, Spain)

- PA582** **Late Breaking Abstract - PRRX1 inhibition decreases fibrosis in the bleomycin-induced lung fibrosis model in mice**
Emmeline Marchal-Duval (Paris, France), Antoine Froidure, Madeleine Jaillet, Mada Ghanem, Audrey Joannes, Arnaud Maurac, Ksenija Schirduan, Franck Jaschinski, Bruno Crestani, Arnaud Mailleux
-
- PA583** **LSC - 2018 - Generation of alveolar epithelial cells from human induced pluripotent stem cells for a model of alveolar wound repair**
Sander van Riet (Leiden, Netherlands), Dennis Ninaber (D.K.Ninaber@lumc.nl / Leiden University Medical Center, Leiden), Robbert Rottier (r.rottier@erasmusmc.nl / Erasmus MC, Rotterdam), Freund (C.M.A.H.Freund@lumc.nl / Leiden University Medical Center, Leiden), Hiemstra (P.S.Hiemstra@lumc.nl / Leiden University Medical Center, Leiden)
-
- PA584** **Novel compounds for WNT/β-catenin induced lung repair in chronic obstructive pulmonary disease**
Rita Costa (München, Germany), Darcy E. Wagner, Martina M. De Santis, Kolene E. Bailey, Ali Doryab, Kenji Schorpp, Ina Rothenaigner, Chiharu Ota, Hoeke A. Baarsma, Monica Campillos, Kamyar Hadian, Melanie Königshoff
-
- PA585** **Immunomodulatory properties of Lung Resident Mesenchymal Stem Cells in patients with COPD**
Maria Rosa Faner Canet (Barcelona, Spain), Tamara Cruz, Alejandra López-Giraldo, Guillaume Noell, Alvar Agustí
-
- PA586** **Cigarette smoke exposure decreases CFLAR expression in bronchial epithelium, augmenting susceptibility for cell death and DAMP release**
Simon D. Pouwels (Groningen, Netherlands), Alen Faiz, Irene H. Heijink, Cornelis J. Vermeulen, Victor Guryev, Maarten Van Den Berge, Martijn C. Nawijn
-
- PA587** **Use of alveolar epithelial cells derived from induced pluripotent stem cell to study alveolar wound repair in vitro**
Sander van Riet (Leiden, Netherlands), Dennis Ninaber, Robbert Rottier, Christian Freund, Pieter Hiemstra

PA588	Equine decellularized lung: a potential approach for regenerative medicine Renata Palma (São Paulo (SP), Brazil), Andressa Cereta, Gustavo Matias, Paula Fratini, Leticia Guimarães, Luis Vicente Oliveira, Ramon Farre, Maria Angélica Miglino
PA589	Regeneration of functional lung by adult human SOX9+ airway basal cell transplantation Wei Zuo (, China), Ting Zhang, Tao Ren
PA590	Increased proliferation of type 2 alveolar epithelial cells in a pneumonectomy model mice with a deletion of p16ink4a gene. Bruno Ribeiro Baptista (Nancy, France), Maeva Zysman, Rachid Souktani, Clement Giffard, Muriel Lize, Sandrine Pons, Sophie Lanone, Jorge Boczkowski, Laurent Boyer
PA591	Effect of inhaled antioxidants on surfactant phospholipids under prolonged experimental hyperoxia Iryna Katovich (Minsk, Belarus), Zhanna Rutkouskaya, Anatoly Tahanovich
PA592	Pulmonary surfactant as drug delivery system to target lung epithelium: new approach for the treatment of epithelial injury after bleomycin challenge Elena Lopez Rodriguez (Hannover, Germany), Carolin Laukamp, Lilian Steffen, Matthias Ochs, Lars Knudsen
PA593	Electroporation of Hepatocyte growth factor to the lung induces migration of bone marrow mesenchymal stem cells and reduces lung fibrosis Amiq Gazdhar (Bern, Switzerland), Kleanthis Fytianos, Lars Knudsen, Ronja Schliep, Stefan Müller, Thomas Geiser
PA594	The secretome of lung resident mesenchymal stem cells is anti-fibrotic in vitro and in vivo Katrin Esther Hostettler (Basel, Switzerland), Petra Khan, Amiq Gazdhar, Kleanthis Fytianos, Lei Fang, Fabienne Caldana, Michael Roth, Michael Tamm, Thomas Geiser
PA595	GED-0507 as a novel anti-fibrotic treatment option for pulmonary fibrosis Silvia Speca (Lille, France), Caroline Dubuquoy, Christel Rousseaux, Elodie Jadot, Pierre Desreumaux, Paolo Spagnolo
PA596	Phase 2B dose selection of BG00011 for the treatment of idiopathic pulmonary fibrosis (IPF) Million Arefayene (Cambridge, United States of America), Majd Mouded, Chris Stebbins, Guolin Zhao, Guochen Song, Romy Christmann, Shelia Violette, Diana Gallagher
PA597	Scar-in-a-Jar, an in vitro screening tool for antifibrotics Natasja Gudmann (Herlev, Denmark), Jannie Sand, Sarah Rønnow, Sarah Brockbank, Simon Cruwys, Morten Karsdal, Diana Leeming
PA598	Tissue engineering for regeneration in vivo of decellularized trachea scaffolds using a porcine model Elisa Barrera Ramírez (Ciudad Juárez (Chihuahua), Mexico), Rubén E Garrido Cardona, Edna Rico Escobar, Alejandro Martínez Martínez, Luis F Plenge Tellechea, Alfredo Hernandez, Enrique Vanegas Venegas

7.2D Session 86 10:45 - 12:45

Poster discussion: Innovative therapies in asthma and COPD

Disease(s) : **Airway diseases**

Method(s) : Imaging Cell and molecular biology General respiratory patient care Epidemiology

Chairs : Dave Singh (Manchester, United Kingdom), Anirban Sinha (Amsterdam, Netherlands)

PA600	Intravenous (IV) reslizumab improves asthma control, symptoms, and quality of life in patients with historically elevated blood eosinophils Pascal Chanez (Marseille, France), Yochai Adir, Mario Castro, Laurie Pahun, Mirna McDonald, Lisa Hickey, Margaret Garin
PA601	Oral glucocorticoid-sparing effects of mepolizumab. A real-life study. Anne Sofie Bjerrum (Århus, Denmark), Johannes Schmid, Tina Skjold
PA602	Oral corticosteroid (OCS)-sparing effect of tralokinumab in severe, uncontrolled asthma: the TROPOS study William Busse (Madison, United States of America), Guy Brusselle, Stephanie Korn, Piotr Kuna, Antoine Magnan, David Cohen, Karin Bowen, Teresa Piechowiak, Millie Wang, Gene Colice
PA603	Benralizumab efficacy in patients with uncontrolled eosinophilic asthma by age at diagnosis Sally Wenzel (Pittsburgh, United States of America), Guy Brusselle, Ian Hirsch, James G. Zangrilli, Sarang Rastogi
PA604	Serum GAL3 predict response in omalizumab-treated patients with severe allergic asthma: the PROXIMA study Giorgio Walter Canonica (Milano (MI), Italy), Anna Maria Riccio, Pierluigi Mauri, Marta Bartezaghi, Fabiana Saccheri
PA605	Bronchial thermoplasty in severe asthmatics : a retrospective study on 10 cases with one year follow-up An Frix (Liege, Belgium), Vincent Heinen, Florence Schleich, Bernard Duysinx, Virginie Paulus, Renaud Louis

PA606	Further resolution of non-T2 asthma subtypes from high-throughput sputum transcriptomics data in U-BIOPRED nazanin Zounemat Kermani (hanworth, United Kingdom), Stelios Pavlidis, Mansoor Saqi, Yike Guo, Paul Agapow, Chih-Hsi Kuo, Matthew Loza, Frederic Baribaud, Anthony Rowe, Ana Sousa, Bertrand De Meulder, Diane Lefaudeux, Louise Fleming, Julie Corfield, Richard Knowles, Charles Auffray, Ratko Djukanovic, Peter J. Sterk, Ian Adcock, Fan Chung
PA607	Extrafine glycopyrronium bromide (GB) in addition to extrafine beclomethasone dipropionate/formoterol fumarate (BDP/FF) in uncontrolled asthmatic patients George Georges (Cary, United States of America), Dave Singh, Mario Scuri, Ilaria Valente, Alessandro Guasconi, Françoise Zuccaro, Alberto Papi
PA608	Safety profile of tiotropium add-on therapy in paediatric patients by gender Christian Vogelberg (Dresden, Germany), Eckard Hamelmann, Michael Engel, Georges El Azzi, Sebastian Dan Vulcu, Stanley Szeffler
PA609	Methodology of clinical trials in COPD exacerbations: Eligibility criteria and endpoint selection. Alexander Mathioudakis (Manchester, United Kingdom), Mia Moberg, Julie Janner, Pablo Alonso-Coello, Jørgen Vestbo
PA610	Patients' ability to use a novel fluticasone propionate/formoterol breath-triggered inhaler (BTI) vs. budesonide/formoterol dry powder inhaler (DPI) David Bell (Belfast (Belfast), United Kingdom), Wolfgang Timmer, Lucielle Mansfield, Mark Lomax, Birgit Grothe, Tim Overend
PA611	Dual bronchodilation vs triple therapy in the real-life DACCORD study Carl-Peter Criece (Bovenden, Germany), Peter Kardos, Heinrich Worth, Nadine Lossi, Konstantinos Kostikas, Claus Vogelmeier, Roland Buhl
PA612	Lung deflation with indacaterol/glycopyrronium improves pulmonary microvascular blood flow in the CLAIM Study Jens Vogel-Claussen (Hannover, Germany), Christian-Olaf Schoenfeld, Christoph Czerner, Julius Renne, Till Kaireit, Hanns-Christian Tillmann, Korbinian Berschneider, Simone Hiltl, Johann Bauersach, Tobias Welte, Jens Hohlfeld
PA613	Disease control and treatment pathways of asthma patients after initiating ICS/LABA Roland Buhl (Mainz, Germany), Liam G Heaney, Emil Loeffroth, Paul Michael Larbig, Konstantinos Kostikas, Valentino Conti, Hui Cao
PA614	Exacerbations and Eosinophil Levels in ACCESS Cohort Participants Prescribed Inhaled Triple Therapy Hana Müllerová (Uxbridge (Middlesex), United Kingdom), Celine El-Baou, Dmitry Galkin, Paul Jones
PA615	Efficacy and safety profile of xanthines in COPD: a network meta-analysis Mario Cazzola (Roma (RM), Italy), Luigino Calzetta, Peter J Barnes, Gerard J Criner, Fernando J. Martinez, Alberto Papi, Maria Gabriella Matera
PA616	Impact of doxofylline in COPD: a pair-wise meta-analysis Mario Cazzola (Roma (RM), Italy), Luigino Calzetta, Paola Rogliani, Clive Page, Maria Gabriella Matera
PA617	A randomized, placebo controlled 4-week study in COPD of QBW251, a potentiator of the cystic fibrosis transmembrane conductance regulator (CFTR) protein Steven M. Rowe (Birmingham, United States of America), Nazmul Haque, Stephen Gleason, Ieuan Jones, Kenneth Kulmatycki, David Rowlands, Sarah S. Grant

7.3J Session 87 10:45 - 12:45

Poster discussion: Orphan diseases in children

Disease(s) : [Interstitial lung diseases](#) [Respiratory infections](#) [Airway diseases](#) [Pulmonary vascular diseases](#) [Respiratory infections](#)

Method(s) : Physiology General respiratory patient care Surgery Imaging Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology Transplantation

Chairs : Deborah Snijders (Ponzano Veneto (TV), Italy), Chair to be confirmed

PA618	Ciliary beating patterns in PCD patients of Greek origin:a four-year experience Grigorios Chatziparasidis (Trikala, Greece), Konstantinos Douros, Barbara Mpoutopoulou, Marios Papadopoulos, Vasilis Grammeniatas, Katerina Dimakou, Kostas Priftis
PA619	Outcomes in idiopathic pulmonary haemosiderosis in children are highly heterogeneous Frederik Buchvald (Vejby, Denmark), Astrid Madsen Ring, Kim Gjerum Nielsen
PA620	Pulmonary Complications After Hematopoietic Stem Cell Transplantation In Pediatric Hematology Patients Neslihan Doğulu (Ankara, Turkey), Elif Ince, Talia Ileri, Mehmet Ertem, Nazan Cobanoglu

PA621	Newborn screening for CF: first three years experience in Hacettepe University Mina Gharibzadeh Hizal (Ankara, Turkey), Ebru Yalçın, Sanem Eryılmaz, Nagehan Emiralioglu, Deniz Doğru Ersöz, Uğur Özçelik, Nural Kiper
PA622	Pigeon breeder's disease as hypersensitivity pneumonia Ayse Tana Aslan (Ankara, Turkey), Tuğba Ramasli Gürsoy, Tuğba Şişmanlar Eyüboğlu, Öznur Boyunağa
PA623	Cladribine as a second line treatment in a child with isolated pulmonary Langerhans cell histiocytosis – case report Honorata Marczak (Warszawa, Poland), Joanna Lange, Katarzyna Krenke, Stanislaw Boguslawski, Katarzyna Smalisz, Iwona Malinowska
PA624	FIRST LINE TREATMENT FOR FOREIGN BODY ASPIRATION IN CHILDREN: FLEXIBLE BRONCHOSCOPY Adem Yasar (Manisa, Turkey), Hasan Yuksel, Ozge Yilmaz, Arzu Acikel, Yurda Basbay, Ismet Topcu
PA625	The prevalence of non-cystic fibrosis bronchiectasis in a pediatric respiratory unit Aleksandra Zver (Ljubljana, Slovenia), Malena Aldeco, Uroš Krivec, Dušanka Lepej, Marina Praprotnik, Ana Kotnik Pirs
PA626	Sleep characteristic in children with interstitial lung disease, a case series Stanislaw Boguslawski (, Poland), Katarzyna Krenke, Joanna Lange, Honorata Marczak
PA627	Flexible bronchoscopy in children and adolescents with cystic fibrosis Uros Krivec (Ljubljana, Slovenia), Marina Praprotnik, Malena Aldeco, Dusanka Lepej, Ana Kotnik Pirs, Aleksandra Zver
PA628	Multiple Breath Washout in clinical routine: Quality control of N2MBW measurements in paediatric lung transplant recipients Julia Carlens (Hannover, Germany), Nicolaus Schwerk, Carsten Müller, Gesine Hansen, Philipp Latzin, Kathryn Ramsey
PA629	Xpert MTB/RIF on bronchoalveolar lavage(BAL) samples reduces the need for transbronchial needle aspiration biopsy (TBNA) in children with suspected intrathoracic tuberculosis (TB) . Pierre Goussard (Bellville, South Africa), Robert Gie, Elizabeth Walters, Corne Bosch, Anneke Hesseling, Julie Morrison, Rolanda Croucamp, Anne- Marie Demmers
PA630	Follow-up of Congenital Lung Malformations (CLM) in a Pediatric tertiary center Ana Curado (Lisboa, Portugal), Carolina Gonçalves, Ana Saianda, André Graça, Luísa Lobo, Miroslava Gonçalves, Teresa Bandeira
PA631	The relationship between bronchoscopy, radiology and microbiology in non cystic fibrosis patients Ayse Ayzit Atabek (Istanbul, Turkey), Erkan Çakir, Fatouma Khalif Abdillahi, Lina Mohammed An Shadfan, Hayrettin Daskaya, Sabriye Sennur Bilgin, Bilge Gultepe
PA632	Methylprednisolone pulse treatment influences splicing of SFTPC mRNA and promotes processing of pro-SP-C protein in twins with SFTPC mutation Celine Delestrain (Creteil, France), Marion Onnee, Abdel Aissat, Valerie Delattre, Elodie Nattes, Bruno Costes, Alix De Becdelievre, Stephanie Simon, Pascale Fanen, Ralph Epaud
PA633	A novel non-BRICHOS surfactant protein C mutation causing infantile interstitial lung disease is associated with reduced mature SP-C level Celine Delestrain (Creteil, France), Sylvain Blanchon, Julie Abbal, Elodie Nattes, Abdel Aissat, Valérie Delattre, Stéphanie Simon, Agathe Tarze, François Bremont, Ralph Epaud, Pascale Fanen
PA634	Medication for childhood interstitial lung diseases differs internationally Sabine Witt (Neuherberg, Germany), Boglarka Szentes, Andrew Bush, Steve Cunningham, Nural Kiper, Joanna Lange, Reiner Leidl, Suzanne Terheggen-Lagro, Nicolaus Schwerk, Deborah Sniijders, Matthias Griese, Larissa Schwarzkopf
PA635	Causative bacteria in protracted bacterial bronchitis are biofilm forming species Konstantinos Douros (Athens, Greece), Stylianos Chatzipanagiotou, Angeliki Galani, Gregory Chatziparasidis, Vana Papaevangelou, Kostas Priftis

7.3U Session 88 11:00 - 13:00

Professional development: PDW3 Leading and managing change

Aims : To increase the ability of the delegates to identify the causes of resistance to change and the strategies to overcome this resistance; to utilise steps in planned change; to communicate and motivate effectively throughout change; and to engage staff members in the change process.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Louellen N. Essex (Wayzata, United States of America), Gernot G.U. Rohde (Frankfurt am Main, Germany)

Why change efforts might fail: what the research tells us 636
Louellen N. Essex (Wayzata, United States of America)

The personal response to change 637
Louellen N. Essex (Wayzata, United States of America)

The planned change process: steps and guidelines 638
Louellen N. Essex (Wayzata, United States of America)

The leader as a role model 639
Louellen N. Essex (Wayzata, United States of America)

Question and answer session 640
Louellen N. Essex (Wayzata, United States of America)

Action planning: how to apply what has been learned 641
Louellen N. Essex (Wayzata, United States of America)

No Room **Session 91** **12:30 - 17:00**

Game Zone: GAME ZONE - SESSION 2

Ultrasound 644
Julia N.S. d'Hooghe (Amsterdam, Netherlands), Angela Lopez Bauza (, Spain), Speaker to be confirmed

Interventional bronchoscopy 645
Lizzy Wijmans (Amsterdam, Netherlands), Fausto Leoncini (Montespertoli (FI), Italy), Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Rein Posthuma (Maastricht, Netherlands)

TP-01 **Session 93** **12:50 - 14:40**

Thematic poster: Physiological and biological insights in asthma

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Physiology Endoscopy and interventional pulmonology Surgery Cell and molecular biology Epidemiology General respiratory patient care

Chairs : Parakkal Sukumaran (Kottayam (Kerala), India), Szymon Skoczy ski (Katowice, Poland), Jodie Simpson (New Lambton, Australia), Chair to be confirmed

PA647 **The Severe Asthma Registry – German data**
Stephanie Korn (Mainz, Germany), Maike Wilk, Christian Schulz, Rainer Ehmman, Marco Idzko, Eckard Hamelmann, Roland Buhl

PA648 **Role of CD163 in human fatal asthma and murine asthma model.**
Yoshihisa Tokunaga (Kurume, Japan), Haruki Imaoka, Yoshitaka Morimatsu, Yoichiro Kaku, Yuki Sakazaki, Masanobu Matsuoka, Yoshihiro Komohara, Tomotaka Kawayama, Motohiro Takeya, Tomoaki Hoshino

PA649 **Two therapy option in patients with uncontrolled asthma**
Elena Jovanovska Janeva (Skopje, FYROM (Macedonia)), Dejan Dokic, Biserka Kaeva, Gorica Breskovska, Zlatica Goseva, Zoran Arsovski, Magdalena Dimitrova, Dejan Trajkov, Olgica Sibinovska

PA650 **Long-term effects of a high intensity life style program in obese patients with asthma**
Yasemin Türk (Rotterdam, Netherlands), Willy Theel, Astrid Van Huisstede, Erwin Birnie, Pieter Hiemstra, Christian Taube, Gert-Jan Braunstahl

PA652 **Adrenal insufficiency in patients with severe bronchial asthma. Evaluation employing standard response curve of rapid ACTH test in non-asthmatic healthy controls.**
Michiko Haida (Tokyo, Japan), Michiko Haida, Katsutoshi Ogawa, Takahiro Inoue, Akihiko Hashiguchi

PA653 **Predictors of functional exercise capacity in asthmatic children and adolescents**
Aylin Tanrıverdi (Izmir, Turkey), Ismail Ozsoy, Buse Ozcan Kahraman, Serap Acar, Asli Papurcu, Nazenin Hande Sezgin, Karyla Polat, Gizem Atakul, Nevin Uzuner, Suna Asilsoy, Sema Savci

PA654	Impact of acute active and passive stress on physiological responses in adults with asthma Simon Bacon (Montréal (QC), Canada), Annik Plourde, Nicola Paine, Andre Cartier, Kim Lavoie
PA655	Psychological comorbidities in difficult asthma within the WATCH cohort Matt Harvey (Gosport (Hampshire), United Kingdom), Adnan Azim, Yvette Thirlwall, Kerry Gove, Colin Newell, Deborah Knight, Karen Long, Hans Michael Haitchi, Ramesh Kurukulaaratchy
PA656	Frequency of undiagnosed bronchiectasis in patients suffering from severe persistent asthma Tahir Khan (Quetta, Pakistan), Fouzia Raza, Nasir Azeem, Farooq Uighor, Shereen Khan
PA657	CCQ and ACQ scores in obstructive lung disease: one questionnaire for all? Tjeerd van der Veer (Amsterdam, Netherlands), J.C.C.M. In 'T Veen
PA658	10 Year evaluation of patients with severe uncontrolled allergic asthma treated with Omalizumab. Olga Růžicková-Kirchnerová (Plzeň, Czech Republic), Petra Moláčková, Milan Teřl, Petr Vaník, Petr Panzner
PA659	Supraglottoplasty in patients with Exercise induced laryngeal obstruction (EILO) Astrid Sandnes (Gjøvik, Norway), Magnus Hilland, Tiina Andersen, Maria Vollsæter, Ingvild Ø Engesæter, John-Helge Heimdal, Thomas Halvorsen, Ola D Røksund, Hege H Clemm
PA660	Evaluation of the degree of agreement between the post bronchodilator test and bronchial hyper-responsiveness: pilot study. Michelle Andrea Espinoza Solano (Sevilla, Spain), Cándido Fernández García, Laura Carrasco Hernández, Maria Abad Arranz, Eduardo Márquez Martín, Carmen Calero, Francisco Ortega Ruiz, José Luis López Campos
PA661	GLN27GLU POLYMORPHISM IN THE β2-ADRENERGIC RECEPTOR GENE AND THE RISK OF ARTERIAL HYPERTENSION IN PATIENTS WITH BRONCHIAL ASTHMA Vladyslava Kmyta (Sumy, Ukraine), Anna Bondarkova, Lyudmyla Prystupa
PA662	A case series of patients with ABPA presenting with lobar collapse at a university teaching hospital Radhika Banka (Mumbai (Maharashtra), India), Ajay Kamath
PA663	Relations between serum lipid levels and inflammatory markers in obese asthma. Cathelijne van Zelst (Rotterdam, Netherlands), Geertje De Boer, Gardien Tramper, Gert-Jan Braunstahl
PA664	Local cytokine profile specifics among patients with BA phenotype, associated to allergic rhinitis: allergic rhinitis and bronchial asthma. Natalia Tataurshchikova (Moscow, Russian Federation)
PA665	A heat and moisture exchange mask to reduce exercise induced bronchoconstriction severity Anna Jackson (London, United Kingdom), James Hull, James Hopker, William Gowers, John Dickinson
PA666	C - Reactive Protein level in obese asthmatic patients ines laouini (nabeul, Tunisia), Haifa Zaibi, Jihen Ben Ammar, Sarra Mazaoui, Dorra Karray, Med Ali Baccar, Salwa Azzebi, Besma Dhahri, Hichem Aouina

TP-02

Session 94

12:50 - 14:40

Thematic poster: Asthma: clinical screening tools**Disease(s) :** Respiratory critical care Airway diseases Sleep and breathing disorders**Method(s) :** Imaging Endoscopy and interventional pulmonology Cell and molecular biology Epidemiology Physiology
Respiratory intensive care General respiratory patient care**Chairs :** Stephen James Fowler (Preston (Lancashire), United Kingdom), Alvaro A. Cruz (Salvador (BA), Brazil), Alex Mann (London, United Kingdom), Chair to be confirmed

PA667	Breathing Pattern Assessment Tool as a new screening tool to identify dysfunctional breathing Farnam Barati Sedeh (Birkerød, Denmark), Anna Von Bülow, Vibeke Backer, Uffe Bødtger, Ulrik Søs Petersen, Susanne Vest, James Hull, Celeste Porsbjerg
PA668	Which patient reported symptoms on the VCDQ may be predictive of positive diagnosis of Inducible Laryngeal Obstruction? Claire Slinger (Clitheroe (Lancashire), United Kingdom), Jessica Blakemore, Richard Slinger, Aashish Vyas
PA669	Asthma admissions to ICU, what are we really treating? Sarah Forster (Nottingham (Nottinghamshire), United Kingdom), Mohamed Mansour, James Bonnington, Dominick Shaw

PA670	A nurse phone educational program enhances health status of asthmatic patients after an emergency department admission for acute exacerbation Gilles Mangiapan (Creteil, France), Thibaut Desmettre, Anne Prud'Homme, Jean Charles Dalphin, Bruno Stach, Sergio Salmeron, Patrick Plaisance
PA672	Detecting the presence of fungal signals in the asthmatic airway Ashley Sullivan (Cork, Ireland), Eoin B Hunt, Susan Laphorne, Chris Ward, Joseph Eustace, Paul M Byrne, Barry J Plant, John Macsharry, Desmond M Murphy
PA673	Automated chart review for assessing adherence to asthma guidelines for asthma triggers Young J Juhn (Rochester, United States of America), Chung-Il Wi, Sungrim Moon, Julie Porcher, Hee Yun Seol, Bong Seok Choi, Euijung Ryu, Barbara Yawn, Miguel Park, Sunghwan Sohn
PA674	Relationship between pollen concentrations and short-acting B2-agonists (SABA) bronchodilator sales in central France: a daily time-series analysis over a 5-year period. Denis Caillaud (Clermont-Ferrand, France), Sylvie Martin, Claire Segala, Michel Thibaudon
PA675	Lower Urinary Tract Symptoms (LUTS) in Male Asthma Patients Jae Ho Chung (Incheon, Republic of Korea), Chang Hoon Han
PA676	MARTE: an observational study on clinical and sociodemographic characteristics of asthmatic patients receiving maintenance and rescue treatment in Spain Alfons Torrego Fernandez (Barcelona, Spain), Jesús Molina Paris, Juan Antonio Trigueros Carrero, Diego González-Segura Alsina, Javier Dominguez Ortega
PA677	Analysis of the findings on paranasal sinuses and chest computed tomography in patients with severe asthma Ester Zamarron De Lucas (Madrid, Spain), Juan Fernández-Lahera Martínez, David Romero Ribate, Carlos Villasante Fernández-Montes, Pilar Barranco Sanz, Santiago Quirce Gancedo, Rodolfo Álvarez-Sala Walther
PA678	Effects of prebiotics and synbiotics on asthma outcomes: a systematic review and meta-analysis Neil Williams (Nottingham (Nottinghamshire), United Kingdom), Elias Gricius, Paul Lester, Michael Johnson, Graham Sharpe
PA679	Modern approaches to assessment of disability in asthma in adults using the DALY indicator Ana Moscovciuc (Chisinau, Republic of Moldova), Konstantin Yavorsky, Irina Sincarenco, Valentina Bolotnikova, Mikhail Lukyan
PA680	Efficient and practical management for checking inhalation technique and discussing medication adherence before treatment step-up in uncontrolled asthma Masaya Takemura (Nagoya, Japan), Masayuki Nishio, Kensuke Fukumitsu, Norihisa Takeda, Takamitsu Asano, Yoshihiro Kanemitsu, Kosho Yoshikawa, Akio Niimi
PA681	Inhalation parameters from an integrated electronic multidose dry powder inhaler (eMDPI) Henry Chrystyn (Bingley (West Yorkshire), United Kingdom), Dinesh Saralaya, Anil Shenoy, Sophie Toor, Andrew Scally, Enric Calderon, Guilherme Safioti
PA682	Histamine challenge test assessed by the ratio of diaphragm EMG recorded from surface electrodes to tidal volume Yingmei Luo (Guangzhou (Guangdong), China), Bai-Ting He, Ying-Xin Wu, Joerg Steier, Caroline Jolley, John Moxham, Michael I Polkey, Yuanming Luo
PA683	Does adding the Generalised Anxiety Disorder (GAD) questionnaire and Patient Health Questionnaire-9 (PHQ-9) to routine outpatient activity provide more information on the presence of anxiety and depression in asthma? Kimberley Barber (Liverpool (Merseyside), United Kingdom), Ryan Robinson, John Blakey
PA684	Cluster analysis identifies distinct clinical phenotypes with poor treatment responsiveness in asthma. Smriti Bhargava (Mysore (Karnatka), India), Mahesh P.A., Amrutha D Holla, Jayaraj B.S., Praveena A.S., Ravi S, Sandhya Khurana
PA685	Video education of inhaler technique for asthma control in patients with well or partly controlled asthma, compared to face-to-face education Min Kwang Byun (Seoul, Republic of Korea), Hye Jung Park, Jae-Woo Kwon, Woo Kyung Kim, Dong-Ho Nahm, Myung-Goo Lee, Sang-Pyo Lee, Sook Young Lee, Ji-Hyun Lee, Yi Yeong Jeong, You Sook Cho, Jeong-Hee Choi, Byoung Whui Choi
PA686	Comparability of Asthma Control Test (ACT) scores between self and physician administered test. Sabrina Genco (Catania (CT), Italy), Enrico Heffler, Claudia Crimi, Raffaele Campisi, Giovanni Paoletti, Ramona Sorrentino, Simona Strano, Nunzio Crimi

Disease(s) : Airway diseases Respiratory critical care Respiratory infections Thoracic oncology Interstitial lung diseases
Pulmonary vascular diseases Respiratory infections

Method(s) : Physiology Endoscopy and interventional pulmonology General respiratory patient care

Chairs : Ahmed Ben Saad (Monastir, Tunisia), Carmen Hernandez Carcereny (Barcelona, Spain), Wassim Labaki (Ann Arbor, United States of America)

- PA687** **Late Breaking Abstract - Qter® and Creatine improve functional performance in COPD patients on long-term oxygen therapy**
Bartolome R. Celli Croquer (Boston, United States of America), Francesca de Blasio, Francesca Polverino, Roberta Pastorelli, Manuela Ferrario, Emiel F. M. Wouters, Stefano Marinari, Fernando De Benedetto
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- PA688** **Late Breaking Abstract - Impact of eosinophil levels on lung function and exacerbation benefits with co-suspension delivery technology budesonide/glycopyrronium/formoterol metered dose inhaler (BGF MDI) in COPD (KRONOS study subgroup analysis)**
Leonardo Michele Fabbri (Modena, Italy), Klaus F. Rabe, Fernando J. Martinez, Gary T. Ferguson, Chen Wang, Masakazu Ichinose, Eric Bourne, Shaila Ballal, Patrick Darken, Kiernan Deangelis, Magnus Aurivillius, Paul Dorinsky, Colin Reisner
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- PA689** **Pre-discharge assessment and outcomes of patients commenced on short-term oxygen therapy**
George Antunes (Saltburn by the sea, United Kingdom), Dalia Mudawi, Naomi Miller-Biot
-
- PA690** **Advance Care Planning in Patients with Chronic Obstructive Pulmonary Disease assessed for Long Term Oxygen Therapy**
Freya Hildebrand (Coburg (VIC), Australia), Caroline Kein, Eve Denton, Souvanny Khov, Belinda Miller
-
- PA691** **Impact of long-term oxygen therapy on systemic inflammation, morphological changes of red blood cells, pulmonary hemodynamics and diaphragm function in patients with chronic obstructive pulmonary disease.**
Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Daria Sklyarova, Vladimir Volchkov
-
- PA692** **Oxygen alert cards versus Oxygen Alert Wrist Bands (OxyBand) in COPD**
Sarah Haines (Altrincham (Cheshire), United Kingdom), Emma Rickards, Dennis Wat, Adrian Mcgonigle, Diane Green, Onnor Hampson, Paul Stockton
-
- PA693** **Follow up after end of trial: Evaluation of usage of oxygen-enriched nasal high flow treatment in COPD with chronic hypoxemic respiratory failure**
Line Storgaard (Aabybro, Denmark), Ulla Møller Weinreich
-
- PA694** **COPD Management needs Hospital and Community multi-disciplinary teams to work together to optimise patient care.**
Michael Apps (Brentwood, United Kingdom), Dipak Mukherjee, Syed Abbas, Jan Minter, Kiran Sanger, James Whitfield, Sue Field, Sharon Pearce, Petra Rosier, Lauren Ateli, Honoria Olympio-Anang, Carole Goodrich, Kelly-Ann Keeling, Helen Hill, Donna Carter, Tracy Gisby, Bernadette Hawkes, Sue Webb, Sue Barfield, Charlotte Wigmore, Jo Downham, Mark Haigh, Paul Bannister, Irene Young, Anna Kopacz, Jo Peacock
-
- PA695** **Mortality causes in patients with advanced lung disease in long term oxygen therapy**
Vinicius Oliveira (Tres Rios (RJ), Brazil), Tatiane Martins Lima Crosara Bastos, Isabela Bodaczny Taliberti, Thales Souza Campos Rodrigues, Robison Sabino Silva, Luiz Ricardo Goulart Filho, Thúlio Marquez Cunha, Michelle Godoy Canazza Damian, Maria Aparecida Gonçalves Gomes
-
- PA696** **Improvements in activation for self-management in patients with chronic airway disease via the COPDnet diagnostic trajectory in secondary care; a pilot study.**
Jeanine C. Antons (Molenhoek, Netherlands), Noortje Koolen, Heleen Niet Van Der, Bas Robberts, Netty Plat, Bram Borst Van Den, Hanneke Helvoort Van, Jeroen Hees Van, Alex Hul Van 'T
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- PA698** **Effect of endoscopic lung volume reductions in patients with emphysema – a single center experience**
Florent Baty (St. Gallen, Switzerland), Tino Schneider, Kei Kozu, Lukas Kern, Martin Brutsche
-
- PA699** **Telehealth care vs. standard care in COPD – an international randomised controlled trial (interim analysis)**
Frank Rassouli (St. Gallen, Switzerland), Florent Baty, Daiana Stolz, Malcolm Kohler, Robert Thurnheer, Thomas Brack, Christian Kähler, Michael Tamm, Sandra Widmer, Ursina Tschirren, Martin H Brutsche
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- PA700** **Effects of an early rehabilitation program in COPD exacerbation, after an hospital discharge, one-year follow-up**
Filipe Gonçalves Dos Santos Carvalho (, Spain), Carlos Martínez Rivera, María Boldó, Ignasi García Olivé, Alicia Marín Tapia, Aida Muñoz Ferrer, Zoran Stojanovic, Alicia Francoso Vicente, Sonia Baeza Mena, Ana Belén Moreno García, Leire Mendiluce Ochandorena, María Jose Dura Mata, Juan Ruiz Manzano
-
- PA701** **The cost-effectiveness of physical activity in the management of COPD patients in the UK**
Mafalda Ramos, Mark Lamotte, Laetitia Gerlier, Per Svangren, Anna Miquel Cases, John Haughney

- PA702** **A retrospective review of MDT mortality prediction for patients with COPD using The Gold Standard Framework.**
Paul Marsden (Manchester (Greater Manchester), United Kingdom), Nazra Hussain, Anne Boardman, Sharada Gudur, Zoe Walker Frost
- PA703** **BACTERIAL IMMUNOTHERAPY IN COPD AND/OR BRONCHIECTASIS FREQUENT EXACERBATOR PATIENTS. A RETROSPECTIVE STUDY.**
Jose Belda (valencia, Spain), Ivan Arroyo-Fernandez, Ruben Lera-Alvarez, Frederic Tatay-Soler
- PA704** **A simple multifunctional tool for integrated care of COPD**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Audrey Marau, Lawrence Gora, Jenny Shrestha, Glenda Esmond
- PA705** **Evaluation of 'care bundles' as a means of improving hospital care for patients with acute COPD: a case-study approach**
Katherine Morton (Oxford (Oxfordshire), United Kingdom), Alison Shaw, James Calvert, Melanie Chalder, Emily Sanderson, Pdraig Dixon, Stephanie Macneill, Will Hollingworth, Sue Jenkins, Chris Metcalfe, Anna King, Sarah Purdy
- PA706** **Innovating the treatment of COPD exacerbations: a phone tele-system to increase Action Plan adherence**
Raquel Farias (Montreal, Canada), Maria Fernanda Sedeno, Pei Zhi Li, Alexandre Joubert, Isabelle Drouin, Rita Abimaroun, Isabelle Ouellet, Danielle Beaucage, Mira Abou Rjeili, Meena Patel, Jean Bourbeau

TP-04

Session 96

12:50 - 14:40

Thematic poster: Nutrition and metabolic syndrome in COPD

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : Respiratory intensive care Epidemiology General respiratory patient care

Chairs : Annemie Schols (Maastricht, Netherlands), Alexandru Corlăteanu (Chisihau, Republic of Moldova), Breda Cushen (Dublin 11, Ireland)

- PA707** **Usefulness of nutrition screening tools for sarcopenia screening with chronic obstructive pulmonary disease in JAPAN**
Hiroyuki Nakamura (kagawa, Japan), Nobuyuki Kita, Kiyotaka Tanimoto, Chiaki Kunikata, Teruhisa Taoka
- PA708** **Association between endothelial dysfunction and nutrient consumption in patients with chronic obstructive pulmonary disease and heart failure.**
Rocío Sánchez Santillán (CDMX, Mexico), C Méndez-Chávez, A Orea-Tejeda, D González-Islas, C Olivo-Villalobos, G Dávila-Said, V Paláez-Hernández, K Balderas-Muñoz, A Velázquez-Montero, M Rivera-Rodríguez, L Castillo-Aguilar, L Hernández-Urquieta
- PA709** **A comparison of muscle dysfunction in patients with chronic obstructive pulmonary disease and healthy subjects**
Rachida Djebaili (Batna, Algeria), Radia Heddane, Rania Direche, Mounira Oulmi, Abdelmadjid Djebbar
- PA710** **Nutrition status and comorbidities in patients with severe COPD.**
Eva Voláková (Olomouc, Czech Republic), Jaromir Zatloukal, Vladimir Koblizek, Michal Svoboda, Patrice Popelkova, Marek Plutinsky, Kristian Brat, Barbora Novotna, Petr Safranek, Tomas Dvorak, Dmitry Rakita, Milada Sipkova, Rastislav Simek, Eva Kocova, Michal Kopecky, Lucie Heribanova, Pavlina Musilova, Blanka Snelerova, Zuzana Liptakova, Katerina Neumannova, Zuzana Zbozinkova
- PA711** **Does Nutritional Risk Screening 2002 correlate with dyspnea status of patients with GOLD stage 3-4 chronic obstructive pulmonary disease: a Cohort study.**
Fatma Bodur Yildirim (Ankara, Turkey), Nalan Ogan, Banu Süzen, Ayse Baha, Evrim Eylem Akpınar
- PA712** **Nutritional status changing in COPD – Follow-up Platino Study**
Oliver Augusto Nascimento (São Paulo (SP), Brazil), Mariana Gazzotti, Ana Paula Luize, Graciane Moreira, Beatriz Manzano, Ana Maria Menezes, Rogelio Perez-Padilla, Adriana Muiño, Maria Victorina López-Varela, Maria Montes De Oca, José R. Jardim
- PA713** **Body composition in chronic obstructive pulmonary disease and heart failure**
Luis Hernández-Urquieta (Mexico City, Mexico), Clyo Chávez-Méndez, Arturo Orea-Tejeda, Dulce González-Islas, Rocío Sanchez Santillan, Rafael Hernández-Zenteno, Giselle Dávila-Said, Carmen Olivo-Villalobos, Viridiana Peláez-Hernández, Karla Balderas-Muñoz, Monica Rivera-Rodríguez, Luis Castillo-Aguilar
- PA714** **Correlation between peritoneal fat and mid-thigh fat in chronic respiratory patients**
Laura Ciobanu (Iasi, Romania), Vasile Maciuc
- PA715** **Role of the fat and muscle tissues in formation of the quality of life in COPD patients.**
Vitalii Poberezhets (Vinnytsia, Ukraine), Yuriy Mostovoy, Hanna Demchuk
- PA716** **Sleep duration is an independent determinant of metabolic impairment in COPD patients**
Nikhil Sahdev (LUTON (Bedfordshire), United Kingdom), Daniel Burrage, Claire Wells, Emma Baker

- PA717 Associations between variations of adipokines, cytokines and body composition in patients with chronic obstructive pulmonary disease in one year**
Suzana Erico Tanni (Botucatu (SP), Brazil), Carolina Mesquita, Robson Prudente, Caroline Knaut, Estefânia Franco, Irma Godoy
- PA718 Does vitamin D deficiency worsen the hospital outcome in patients with acute exacerbation COPD?**
Mohamed Abdelghany (Assiut, Egypt), Hoda Makhoulf, Aliae Abdrabou, Amal Abdelazeez
- PA719 Metabolic syndrome in chronic obstructive pulmonary disease**
Haifa Zaibi (Tunis, Tunisia), Sarra Maazaoui, Jihen Ben Amar, Ines Laouini, Saloua Azzebi, M Ali Baccar, Besma Dhahri, Hichem Aouina
- PA720 Correlation between being underweight and the severity of COPD**
Iobna Loued (MONASTIR, Tunisia), Sonia Toujani, Abir Hedhli, Sana Cheikhrouhou, Meriem Mjid, Yassine Ouahchi, Samira Meraii
- PA721 Sedentary behaviour is associated with worse cardiometabolic profiles in COPD patients, irrespective of moderate intensity physical activity**
Daniel Burrage (London, United Kingdom), Claire E. Wells, Emma H. Baker
- PA722 Sarcopenia index correlates with COPD clinical outcomes.**
Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Beatriz Abascal Bolado, Juan Agüero Calvo, Begoña Durantes, Milagros Ruiz De Infante, Armando Raúl Guerra, María Teresa García-Unzueta, Bernardo Alio Lavín, Elena Arnaiz-García
- PA723 Clinical outcome and cost-effectiveness of 1-year nutritional intervention program in COPD**
Martijn van Beers (Maastricht, Netherlands), Maureen P.M.H. Rutten-Van Molken, Coby Van De Bool, Melinde Boland, Stef P.J. Kremers, Frits M.E. Franssen, Ardy Van Helvoort, Harry R. Gosker, Emiel F. Wouters, Annemie M.W.J. Schols
- PA724 Change of inhaled medications during hospital admissions for acute exacerbation of COPD**
Victoria Ridley (London, United Kingdom), Emma Barter, Claire Davey, Richa Singh, Jane Simpson
- PA725 Chronic obstructive pulmonary disease patients: pilot project of 90-day monitoring**
Alicia Oliva Ramos (Rivas-Vaciamadrid, Spain), Jose Rafael Terán Tinedo, Virginia Gallo González, Elena Ojeda Castillejo, Julio César Vargas Espinal, Luis Puente Maestu, Javier De Miguel Díez

TP-05

Session 97

12:50 - 14:40

Thematic poster: Cardiovascular morbidities in COPD

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Cell and molecular biology Epidemiology Endoscopy and interventional pulmonology General respiratory patient care Imaging

Chairs : Marco Contoli (Ferrara (FE), Italy), Andreas Vestergaard Jensen (Roskilde, Denmark), Lies Lahousse (Ghent, Belgium), Chair to be confirmed

- PA726 Association of cardiovascular risk with inhaled long-acting anti-muscarinic antagonists in COPD patients with impaired renal function**
Yi-Ching Cheng (Douliou, Taiwan), Hung-Chueh Peng, Yen-Fu Chen, Chung-Yu Chen
- PA727 Evaluation of vasomotor substances in COPD patients**
Olga Arkhipkina (Kharkiv, Ukraine), Olga Arkhipkina
- PA728 Systemic inflammatory profile of patients with acute coronary syndrome and concomitant COPD**
Marco Contoli (Ferrara (FE), Italy), Marianna Padovani, Sara Soave, Barbara Palazzi, Rita Pavasini, Gianluca Campo, Alberto Papi
- PA729 Can BODE index identify right ventricular dysfunction in COPD patients?**
Praveen Kumar Venishetty (WARANGAL, India)
- PA730 Diurnal arterial stiffness in patients with chronic obstructive pulmonary disease of varying severity**
Gulnara Dolishnyaya (Saratov, Russian Federation), Nina Karoli, Andrey Rebrov
- PA731 Determinants of aortic stiffness compared to level of obstruction and staging of COPD**
Divo Ljubičić (Zagreb, Croatia), Neven Tudorić
- PA732 Aortic stiffness in patients with COPD compared to two control groups of smokers and nonsmokers**
Divo Ljubičić (Zagreb, Croatia), Neven Tudorić, Dario Dilber

PA733	Integrity of Membrane Cell as a Risk Factor of Longer Length of Stay in patients with Cardiopulmonary Disease Dulce Gonzalez (Ciudad de Mexico, Mexico), Arturo I Orea-Tejeda , Clyo Chávez-Méndez , Giselle Dávila-Said , Carmen Olivo-Villalobos, Rocío Sánchez-Santillán, Viridiana Peláez-Hernández , Karla Balderas-Muñoz , Rogelio Pérez-Padilla , Monica Rivera-Rodríguez , Luis Hernández-Urquieta
PA734	Comorbidity of atherosclerotic diseases in COPD patients. Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Natalia Zakharchuk, Elena Kondrashova, Elena Gonchar
PA735	Acute vascular diseases: Prompting admissions and readmissions in COPD patients Rishabh Kochar (Bikaner (Rajasthan), India), Vishakha Mittal, Atul Goel
PA736	Acute cor pulmonale during acute exacerbations of COPD: a new phenotype? Déborah Boyer (Rouen, France), Elise Artaud-Macari, Dominique Schleifer, David Delacour, Zoubir Djerada, Jean-Nicolas Dacher, Antoine Cuvelier
PA737	Evaluation of a new cardiac arrhythmias predictor in patients with COPD ASMA SAIDANE (TUNIS, Tunisia), Jihene Ben Ammar, Manel Ben Hlima, Sana Ouali, Mohamed Slim Mourali, Besma Dhahri, Saloua Azzabi, Hela Cherif, Mohamed Ali Baccar, Hichem Aouina
PA738	Safety of nebivolol and bisoprolol in patients (pts) with COPD and stable angina. Oleksandr Fesenko (Slobozhanske, Ukraine), Kateryna Bogatska
PA739	Cardiovascular safety of fixed dose combination long acting bronchodilators in stable patients with Chronic Obstructive Pulmonary Disease. Sudip Ghosh (Leicester (Leicestershire), United Kingdom), Martin Bridge, Nabeel Shahid, Arwell Jones, Noel O'Kelly
PA740	Utility of electrical bioimpedance by phase analysis to predict the type of heart failure in patients with COPD A Orea-Tejeda (Mexico, Mexico), R Sánchez-Santillán, D González-Islas, Clyo Anahi Chávez Méndez, C Olivo-Villalobos, G Dávila-Said, L Hernández-Urquieta, V Peláez-Hernández, A Velázquez-Montero, M Rivera-Rodríguez, L Castillo-Aguilar, K Balderas-Muñoz
PA741	Platelet activity in patients with COPD and concomitant arterial hypertension Kateryna Gashynova (Dnipro, Ukraine), Olena Kovalenko, Viktoriya Rodionova , Liudmyla Glyniana
PA742	Safety and benefits of beta-blockers in chronic obstructive pulmonary disease: a review of current evidence and meta-analysis Ralph Elvi Villalobos (Manila, Philippines), Irene Rosellen Tan, Ruth Marie Divinagracia
PA743	COPD patients require more health care than heart failure patients Lennart H. Persson (Linköping, Sweden), Leili Lind, Johan Lyth, Daniel Karlsson, Ann-Britt WiréHn
PA744	Risk factors for asymptomatic atrial fibrillation in patients with COPD Elena Samorukova (Moscow, Russian Federation), Elena Leonova, Tatiana Adasheva, Vladimir Zadionchenko, Andrei Malyavin, Sergey Pavlov
PA745	Increased risk of atrial fibrillation in patients with acute exacerbation of chronic obstructive pulmonary disease and sinus rhythm Aria Hemat (Moenchengladbach, Germany), Patrick Müller, Christian Jung, Stefan Krüger, Stefanie Keymel

TP-06

Session 98

12:50 - 14:40

Thematic poster: COPD around the worldDisease(s) : **Airway diseases** **Respiratory infections** **Thoracic oncology** **Respiratory infections**

Method(s) : Cell and molecular biology Epidemiology Public health General respiratory patient care

Chairs : Therese Lapperre (København NV, Denmark), Fabrizio Luppi (Spilamberto (MO), Italy), Miriam Barrecheguren Fernandez (Barcelona, Spain), Marija Vukoja (Sremska Kamenica, Republic of Serbia)

PA746	A cross-sectional study in severe COPD patients in the Middle East and Africa (MEA): Symptoms variability and quality of life Nurdan Köktürk (Ankara, Turkey), Medhat Soliman, Amr Albanna, Richard Van Zyl Smit, Elmas Malvolti, Dina Ahmed
PA747	A cross-sectional study in severe COPD patients in the Middle East and Africa (MEA): Methodology and patients' profile Ashraf Alzaabi (Abu Dhabi, United Arab Emirates), Hakan Gunen, Alev Gurgun, Noureddine Zidouni, Mousa Khadadah, Wael Abuharbid
PA748	Evaluation of Slow Vital capacity and Forced Vital Capacity in patients with COPD Olga Nesterovska (Chernivtsi , Ukraine), Ganna Stupnytska, Anastasiya Stupnytska

PA749	Diagnosis of COPD in patients with multidrug-resistant tuberculosis Halina L Baradzina (Minsk, Belarus)
PA750	Relationship between the load of potentially pathogenic bacterial species with quality of life in biomass-smoke associated COPD subjects in rural Indian population Baishakhi Ghosh (Bangalore (Karnataka), India), Akshay Gaike, Kanchan Pyasi, Bill Brashier, Vandana Das, Jyoti Londhe, Sanjay Juvekar, Yogesh Shouche, Louise Donnelly, Sundeep Salvi, Peter Barnes
PA751	Adherence to GOLD guidelines practices in the management of COPD in Tunisia Aissa Sana (Sousse, Tunisia), Knaz Asma, Benzarti Wafa, Gargouri Imen, Abdelghani Ahmed, Garrouche Abdelhamid, Hayouni Abdelaziz, Benzarti Mohamed
PA752	Disease specific knowledge in Tunisian COPD patients hadhemi rejeb (sousse, Tunisia), Rania Kaddoussi, Mouna Ben Khelifa, Seri Jdidi, Imen Ben Saida, Wafa Benzarti, Sana Aissa, Imen Gargouri, Ahmed Abdelghani, Abdelhamid Garrouche, Abdelaziz Hayouni, Mohamed Benzarti
PA753	Evaluation of the demographics, diagnosis and monitoring, management, device usage and adherence among COPD patients: A survey of doctors in Nepal Ramesh Chokhani (Kathmandu, Nepal), Narendra Bhatta, Aniruddha Mukhopadhyay, Vaibhav Gaur, Jaideep Gogtay
PA754	Characterization of patients with severe COPD Rosa Malo De Molina Ruiz (Madrid, Spain), Cristina Esquinas, Carlos Martinez Rivera , Eduardo Marquez Martin , Elsa Naval Sendra, Manuel Valle Falcones , Eva Cabrera Cesar, Ana Boldova Loscertales, Javier Callejas , Marc Miravittles
PA755	The distribution of COPD in general practice using three different GOLD classification Irina Salakhova (Kazan', Russian Federation), Alexander Vizel, Adelya Vafina, Irina Vizel
PA756	Opportunistic screening for COPD in primary care - A pooled analysis of 6.710 symptomaticsmokers and ex-smokers Oliver Djurhuus Tupper (København NV, Denmark), Andreas Katsimigas, Peter Kjeldgaard, Charlotte Suppli Ulrik
PA757	Determinants of dyspnea in COPD patients: the French PALOMB cohort El-hassane Ouaalaya (Merignac, France), Emilie Berteaud, Alain Bernardy, Jean-Michel Dupis, Marielle Sabatini, Laurent Falque, Fr�d�ric Le Guillou, Cecilia Nocent-Ejnaini, Laurent Nguyen, Annaig Ozier, Julien Casteigt, Mathieu Molimard, Chantal Raheison-Semjen
PA758	Prevalence of COPD in heroin smokers attending treatment centres assessed using LLN and relationship to drug consumption Paul Walker (Wirral (Merseyside), United Kingdom), Hassan Burhan, Ryan Young, Tara Byrne, Rob Peat, Jennifer Furlong, Sue Renwick, Tristan Elkin, Sandra Oelbaum
PA759	EPIDEMIOLOGICAL AND CLINICAL CHARACTERISTICS OF THE CANCER OF PULMON WITH COPD IN OUR HEALTH AREA IN THE YEARS 2016-2017 Ascensi�n Mar�a Vilchez Parras (Torredelcampo (Ja�n), Spain), Mar�a L�pez L�pez, Gerardo P�rez Chica, Celia Lac�rcel Bautista
PA760	COPD in elderly patients – an analysis of the DACCORD observational study Heinrich Worth (F�rth, Germany), Roland Buhl , Carl-Peter Criece , Peter Kardos , Nadine Lossi, Claus Vogelmeier
PA761	Relation between gender and survival among real-life COPD patients Nicolas Roche (Paris, France), Maeva Zysman, Isabelle Court-Fortune, Graziella Brinchault-Rabin, Pascale Nesme-Meyer, Pascale Surpas, Gaetan Desl�e, Thierry Perez, Roger Escamilla, Gilles Jebrak, Pascal Chanez, Jean-Louis Paillasseur, Denis Caillaud, Pierre-R�gis Burgel
PA762	Non-smoking COPD: an overlooked systemic disease, modifiable by physical activity based on studying a cohort of 386,304 subjects Chin-Chung Shu (Taipei, Taiwan), Ta-Chen Su, June Han Lee, Min Kwang Tsai, Chi-Pang Wen
PA763	Characteristics of "frequent exacerbators" in mild to moderate COPD patients. Hye Sook Choi (Gyeongju, Republic of Korea), Young Bum Park, Kwang Ha Yoo, Chin Kook Rhee
PA764	Bacterial structure of sputum from patients with exacerbations of COPD in a single medical center in Central Kazakhstan Aigerim Yergaliyeva (Astana, Kazakhstan), Nelya Bisenova
PA765	Should we be doing more to address cardiovascular risk in patients who have COPD? Learning from a quality improvement project at Basildon Hospital. Oscar Atkins (Bristol (Avon), United Kingdom), Marcus Pittman

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Epidemiology Public health Surgery General respiratory patient care

Chairs : Nicoletta R. Morelli (Den Haag, Netherlands), Ioannis Bonovolias (Thessaloniki, Greece), Luiza Helena Degani-Costa (São Paulo (SP), Brazil)

PA766	Late Breaking Abstract - Impact of ICS/LABA and LABA/LAMA FDCs on lung function and exacerbation of COPD: a network meta-analysis Fabiano Di Marco (Trezzano Sul Naviglio (MI), Italy), Luigino Calzetta, Paola Rogliani, Francesco Blasi, Stefano Centanni, Claudio Micheletto, Andrea Rossi, Mario Cazzola
PA767	Pseudomonas eradication management in COPD: results from a single centre Charlotte Wigston (Oxford (Oxfordshire), United Kingdom), Maaz Rana, Hussein Chreif, Katie Jeffery, Mona Bafadhel
PA768	Efficacy and safety of moxifloxacin in the outpatient treatment of exacerbations of chronic obstructive pulmonary disease Jordan Minov (Skopje, FYROM (Macedonia)), Jovanka Karadzinska-Bislimovska, Tatjana Petrova, Kristin Vasilevska, Saso Stoleski, Dragan Mijakoski
PA769	Risk of pneumonia and exacerbations of chronic obstructive pulmonary disease(COPD) with inhaled corticosteroid (ICS) use: a Singapore perspective Kenneth Koh (Singapore, Singapore), Pei Yee Tiew, Jessica Han Ying Tan, Rui Ya Soh, Karen Li Leng Tan, Thun How Ong, Mariko Si Yue Koh, Sanjay Haresh Chotirmall, Therese Sophie Lapperre
PA770	Long-term use of inhaled glucocorticoids in stable chronic obstructive pulmonary disease patients and risk of diabetes mellitus: systematic review of the literature Fabio Arpinelli (Verona (VR), Italy), Paolo Ruggieri, Giuseppe Girbino, Gaetano Caramori
PA771	Audit of Duration of Corticosteroid Treatment in Acute Exacerbations of COPD Ko Ko Naing (Preston, United Kingdom), Suman Paul, Paul Marsden
PA772	Investigation of breathing parameters of COPD patients inhaling through three different DPI devices Annamária Szpócs (Monostorapáti, Hungary), Árpád Farkas, János Varga, Zsuzsanna Szalai
PA773	The effect preoperative intervention with long-acting bronchodilator for untreated patients with obstructive lung disease Yu Mikami (Tokyo, Japan), Taisuke Jo, Hirotaka Matsuzaki, Keisuke Hosoki, Minako Saito, Taro Ishimori, Yasuhiro Yamauchi, Yutaka Yatomi, Daiya Takai, Takahide Nagase
PA774	Short-acting bronchodilators for in-hospital management of acute exacerbation of COPD: Systematic Review Zoe Kopsaftis (Woodville South, Australia), Nur Sulaiman, Kristin Carson, Oliver Mountain, Paddy Phillips, Brian Smith
PA775	Efficacy and safety of budesonide/formoterol fumarate dihydrate metered dose inhaler (BFF MDI) using co-suspension delivery technology compared to monocomponents and an active comparator in COPD Gary T. Ferguson (Farmington Hills, United States of America), Alberto Papi, Antonio Anzueto, Edward M. Kerwin, Christy Cappelletti, Elizabeth A. Duncan, Jack Nyberg, Paul Dorinsky
PA776	Effect of erdosteine in moderately severe COPD patients Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom), Clive Page, Roberto W. Dal Negro, Giovanni Fontana, Martin Iversen, Arrigo F Cicero, Edoardo Pozzi, Jadwiga A. Wedzicha
PA777	Observational study of adherence to indacaterol/glycopyrronium 110/50µg o.d. (IND/GLY) in COPD Nicolas Roche (Paris, France), Vincent Le Gros, Mathilde Pouriel, Laurent Decuypere, Chantal Raheison
PA778	Multiple ascending inhaled doses of AZD8871 in healthy males Victor Balaguer (Barcelona, Spain), Muna Albayaty, Carol Astbury, Lali Jimenez, Ulrika Wahlby Hamren, Beatriz Seoane, Marie-Pierre Malice, Alejandra Lei, Ajay Aggarwal, Ioannis Psallidas, Arnaud Mailleux (arnaud.mailleux@inserm.fr / INSERM U1152, Paris)
PA779	Comparative assessment of hemodynamic parameters in patients with COPD and CHD treated with different groups of bronchodilators. Iuliia Kharchenko (Kharkiv, Ukraine), Olena Krakhmalova, Alona Tokarieva
PA780	Switch from LABA+ICS to a LABA/LAMA combination in symptomatic women with COPD – an analysis of the observational DACCORD study Peter Kardos (Frankfurt am Main, Germany), Roland Buhl, Carl-Peter Crie, Nadine Lossi, Claus Vogelmeier, Heinrich Worth
PA781	Inhaled anticholinergics affect the heart rate recovery in stable COPD patients Wei Yuan (Beijing, China), Shan Nie, Haoyan Wang, Qiufen Xu, Nan Jia

- PA782** **Effects of the long term treatment with Fenspiride upon clinical manifestations of chronic obstructive pulmonary disease**
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Sergiu Matcovschi, Nelea Ghicavii, Tatiana Dumitras, Eudochia Terna, Nicolae Bodrug, Doina Barba
- PA783** **Evaluation of adequacy of pharmacological treatment in relation to severity in patients with chronic obstructive pulmonary disease (COPD) and their clinical correlations.**
Suzana Erico Tanni (Botucatu (SP), Brazil), Bruna Morais, José Zucchi, Estefânia Franco, Thyego Santos, Thaís Garcia
- PA784** **Effect of benzodiazepines in hospital readmissions and mortality in patients with chronic obstructive pulmonary disease**
Jose Rafael Teran Tinedo (Madrid, Spain), Daniel Eduardo López Padilla, Alicia Oliva Ramos, Lourdes Vicent Alaminos, Luis Puente Maestu
- PA785** **Risk of pneumonia or death in COPD outpatients treated with different lengths of corticosteroids**
Pradeesh Sivapalan (Hellerup, Denmark), Daniel Bech Rasmussen, Truls Sylvan Ingebrigtsen, Rikke Sørensen, Camilla Bjørn Jensen, Kristine Højgaard Allin, Freja Stæhr Holm, Josefin Eklöf, Karin Armbruster, Jens Ulrik Stæhr Jensen

TP-08

Session 100

12:50 - 14:40

Thematic poster: Management of bronchiectasis and large airway diseases

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Imaging Epidemiology General respiratory patient care

Chairs : Ute Oltmanns (Pforzheim, Germany), Mouhamad Nasser (Bron, France), Sara Tomassetti (Forli, Italy), Chair to be confirmed

- PA786** **Exercise capacity can predict exacerbations and hospitalizations in a 1-year follow up in non-cystic fibrosis bronchiectasis adults**
Samia Rached (São Paulo (SP), Brazil), Rejane Agnelo Silva De Castro, Anderson Alves De Camargo, Rodrigo Athanasio, Alberto Cukier, Simone Dal Corso, Rafael Stelmach
- PA787** **Optimization of algorithms of care of patients with infectious extension of bronchiectasis**
Galina Ignatova (Chelyabinsk, Russian Federation), Galina Ignatova
- PA788** **Impact of Anemia On Clinically Stable Adult Non-cystic Fibrosis Bronchiectasis**
Elif Yelda Ozgun Niksarlioglu (Istanbul, Turkey), Mehmet Atilla Uysal, Burcu Yiğitbaş, Lutfiye Kılıç, Güngör Çamsarı
- PA789** **HEALTH RELATED QUALITY OF LIFE (HRQoL) AMONG PATIENTS WITH NON CYSTIC FIBROSIS BROCHIECTASIS (BE) IN STABLE PHASE**
Kateryna Gashynova (Dnipro, Ukraine), Guilnar Nagiieva, Tetyana Pertseva, Valeriia Dmytrychenko
- PA790** **Progress, update and challenges faced in establishing the first registry for bronchiectasis in Australia**
Enna Stroil-Salama (Milton, Australia), Simone Visser, Janet Moore, Lucy Morgan
- PA791** **Objective CT measurements of the bronchovascular bundle in smokers with bronchiectasis**
Alejandro A Diaz (Arlington, United States of America), Yuka Okajima, Diego Maselli, Wei Wang, Andrew Yen, Gregory Kinney, Raul San Jose Estepar
- PA792** **Small Airway Imaging Abnormalities in Smokers with Bronchiectasis**
Alejandro A Diaz (Arlington, United States of America), Carlos Martinez, Wassim Labaki, Andrew Yen, Maselli Diego, Yuka Okajima, Greg Kinney, Jeffrey Curtis, Raul San Jose Estepar, Ella Kazerooni, Brian Ross, Galban Craig, Fernando Martinez, Meilan Han
- PA793** **Diagnostic contribution of PICADAR score in etiological evaluation of patients with bronchiectasis of unknown etiology**
Erkan Çakir (Istanbul, Turkey), Fatouma Khalif Abdillahi, Ayse Ayzit Atabek, Lina Alshadfan, Hakan Yazan, Faraz Talebazadeh, Mustafa Nursoy, Ali Toprak
- PA794** **Bronchiectasis Quality Improvement Project**
Alice Gray (Birmingham (West Midlands), United Kingdom), Peter Gimson, Mathuramina Thiraviyarajah, Maria Mal, Harvey Davies, Yifei Wang, Shaun Thein, Manpreet Kaur Saggu, Sarah Coulter-Brophy, Farrukh Rauf, Anna-Karin Larsson Callerfelt (anna-karin.larsson_callerfelt@med.lu.se / Lung Biology, Experimental Medical Science, Lund University,Lund), Johan Malmstrom (johan.malmstrom@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University,Lund), Emma Ahrman (emma.ahrman@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University,Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology, Experimental Medical Science, Lund University,Lund)
- PA795** **National survey on management of adult bronchiectasis by respiratory physicians in Belgium**
Natalie Lorent (Leuven, Belgium), Kathleen Schoovaerts, Pieter Goeminne, Lieven Dupont

PA796	The impact of traditional nutrition on reduction of the chronic nonobstructive bronchitis risk in the indigenous peoples living in tundra of the Arctic zone in Western Siberia, Russia Irina Protasova (Nadym (Yamal-Nenets), Russian Federation), Sergey Andronov , Andrei Lobanov , Andrei Popov , Lilia Lobanova , Ruslan Kochkin, Elena Bogdanova
PA797	Does continuous positive airway pressure (CPAP) improve the exercise capacity of adults with tracheomalacia? Elizabeth Smith (Wythenshawe (Manchester), United Kingdom), Nigel Clayton, Siddiq Pulakal, Stephen Fowler, Robert Niven
PA798	Prophylactic azithromycin in patients with primary ciliary dyskinesia. Alix Massiot (Levallois Perret, France), Aline Tamalet, Nicole Beydon, Estelle Escudier, Annick Clement , Harriet Corvol, Guillaume Thouvenin
PA799	Risk factors for chronic bronchitis in indigenous inhabitants of the Arctic zone in Western Siberia, Russia Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Andrei Lobanov, Alexandr Emelyanov, Andrei Popov, Lilia Lobanova, Ruslan Kochkin, Elena Bogdanova, Irina Protasova
PA800	Characterization of pediatric patients diagnosed with post-infectious bronchiolitis obliterans 2,600 meters above sea level. Ingrid Gomez (Bogota, Colombia), Olga Fuquen, Diana Echevery, Margarita Pedraza, Diana Estrada, Angela Soler, Patricia Panqueva Centanaro
PA801	Neuro-psychological adaptation of patients with chronic bronchitis in Arctic conditions Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Tatiana Popova, Vladimir Kulganov, Andrei Lobanov
PA802	Impact of improvement of environment on dynamics of chronic bronchitis disease in the indigenous peoples of the Arctic zone in Western Siberia, Russia Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Andrei Lobanov, Alexandr Emelyanov, Andrei Popov, Lilia Lobanova, Ruslan Kochkin, Elena Bogdanova, Irina Protasova
PA803	NON-CYSTIC FIBROSIS (CF) BRONCHIECTASIS: A 5-YEAR RETROSPECTIVE STUDY WITH A FOCUS ON PATIENTS WITH PRIMARY IMMUNODEFICIENCIES (PID) Hélène Goussault (Saint-Cloud, France), Emilie Catherinot, Nizar Mahlaoui, Colas Tcherakian, Hélène Salvator, Alexandre Chabrol, Elisabeth Rivaud, Marie-Laure Chabi, Alain Fischer, Felipe Suarez, Olivier Lortholary, Philippe Devillier, Louis-Jean Couderc
PA804	One year follow-up of respiratory health outcomes in adult patients with non-Cystic Fibrosis Bronchiectasis Berrin Ceyhan (Istanbul, Turkey), Melahat Bekir, Sehnaz Olgun Yildizeli, Derya Kocakaya

TP-09

Session 101

12:50 - 14:40

Thematic poster: Management of chronic cough and respiratory muscle dysfunction

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory infections Thoracic oncology Respiratory infections

Method(s) : Surgery Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care

Chairs : Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India), Laura Fregonese (London, United Kingdom), Gian Galeazzo Riario Sforza (Milano (MI), Italy), Chair to be confirmed

PA805	Late Breaking Abstract - Benefits of a low-frequency airway clearance technology in non-CF patients with bronchiectasis Katarzyna Iwan (Warszawa, Poland), Dorota Klatka, Agata Gladzka, Laurent Morin, Pawel Sliwinski
PA806	Treatment of diaphragmatic paralysis using an expanded surgical protocol: review of the largest worldwide experience Francesco Gargano (Shrewsbury, United States of America), Matthew Kaufman, Thomas Bauer, Reza Jarrahy
PA807	Correlation between high salivary pepsin concentration and chronic pharyngitis. Rachel Hodgson (Beverley, United Kingdom), Rachel Hodgson, Qiuping Wang, Xiu Wang, Peter Dettmar
PA808	Effects of trumpet playing on lung function – a case-control study Lia Studer (Basel, Switzerland), Desiree Schumann, Aline Stalder-Siebeneichler, Michael Tamm, Daiana Stolz
PA809	Adenoid cystic carcinoma of trachea masked like asthma Ventsislava Pencheva Genova (Sofia, Bulgaria), Tzanko Mondeshki, Bilyana Stancheva, Daniela Petrova, Radoslav Bilyukov, Ognian Georgiev, Tzvetan Minchev, Daniela Krasimirova, Sevda Naydenska
PA810	Comparison of arterial and venous blood gases in cases with obesity hypoventilation syndrome and neuromuscular disease Hicran Orucova Mammadova (Istanbul, Turkey), Tulin Cagatay, Penbe Cagatay, Zuleyha Bingol, Gulfer Okumus, Esen Kiyani

PA811	The effect of baseline factors on treatment response with MK-7264, a P2X3 antagonist, in refractory chronic cough. Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), Lorcan P Mcgarvey, Alyn H. Morice, Surinder S Birring, Michael M Kitt, Mandel R Sher, Andrew M Tershakovec, Wen-Chi Wu, Zhi Jin Xu, David R Muccino
PA812	Congenital lobar overinflation in adults - A case series Nilab Sarmand (Heidelberg, Germany), Felix Herth, Martin Eichhorn, Daniela Gompelmann
PA813	Pulmonary involvement in Marfan syndrome Abigél Margit Kolonics-Farkas (Budapest, Hungary), Kalman Benke, Balazs Odler, Aniko Bohacs, Zsuzsanna Kovats, Zoltan Szabolcs, Veronika Müller
PA814	Chronic cough is associated with an increased risk of hypertension Rachel Dockry (Manchester (Greater Manchester), United Kingdom), Carmen Gibbard, Joanne Mitchell, Kimberley Holt, Douglas Corfield, Jaclyn Smith
PA815	Are There Any Effects of Respiratory Muscle Strength on Dyspnea, Core Muscle Strength and Functional Capacity in Adolescents with Substance Use Disorder? Begum Unlu (Istanbul, Turkey), Rustem Mustafaoglu, Rengin Demir, Arzu Ciftci, Zerrin Yigit
PA816	Respiratory Muscle Strength in Stroke Patients and Healthy Controls: A Case Control Study Begum Unlu (Istanbul, Turkey), Abdurrahim Yildiz, Rustem Mustafaoglu, Rengin Demir
PA817	Increased oxidative stress of chronic cough in induced sputum Chang Youl Lee (Chuncheon, Republic of Korea), Ji Young Hong, Myung-Goo Lee, Seung Hun Jang
PA818	Prevalence of inducible laryngeal obstruction (ILO) in unexplained chronic cough (UCC) Simon Gray (Greater Manchester, United Kingdom), Claire Slinger, Jessica Blakemore, Paul Marsden
PA819	Home-based versus hospital monitoring of respiratory function changes in Duchenne muscular dystrophy (DMD) Christian Rummey (Basel, Switzerland), Thomas Meier, Mika Leinonen, Shabir Hasham, Thomas Voit, Oscar H Mayer, Gunnar M Buyse
PA820	Patient characteristics and triggers eliciting refractory chronic cough Surinder S. Birring (London, United Kingdom), David R. Muccino, Alyn H. Morice, Mandel R. Sher, Lorcan P, Mcgarvey, Michael M. Kitt, Andrew M. Tershakovec, Z. J. Xu, J. A. Smith
PA821	Gastroesophageal reflux (GER)-associated cough: Effect of treatment on cellular and neurogenic inflammation Nori-hisa Takeda (Nagoya, Japan), Masaya Takemura, Kensuke Fukumitsu, Takamitsu Asano, Yoshihiro Kanemitsu, Eiji Kubota, Akio Niimi
PA822	Patient views on new technologies to assist in the management of chronic cough Bashar Al-Sheklly (Manchester (Greater Manchester), United Kingdom), Huda Badri, Philip Turner, Jemma Haines, Jacky Smith
PA823	Sensitisation of the cough reflex in childbearing women to mechanical stimuli: a cross-sectional study Luis Fernando Giraldo-Cadavid (Bogota DC, Colombia), Secundino Fernandez, Javier Burguete, Nelson Paez, Luis Mauricio Agudelo-Otalora, Mario Arbulu, Ana Maria Galvis
PA824	„The pulmonological mask” of congenital diaphragmatic hernia in children. Anna Bodajko-Grochowska (Lublin, Poland), Andrzej Emeryk, Ewa Markut-Miotła, Magdalena Kowalska, Anna Bednarek

TP-10

Session 102

12:50 - 14:40

Thematic poster: What's hot in rehabilitation in COPD and interstitial lung disease (ILD)?

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Respiratory critical care](#)

Method(s) : Public health Physiology Transplantation General respiratory patient care

Chairs : Tanja Effing-Tijdhof (Adelaide (SA), Australia), Sabina Guler (Ried-Brig, Switzerland), Fábio de Oliveira Pitta (Londrina (PR), Brazil), Chair to be confirmed

PA825	Creating a prediction formula for resting energy consumption of patients with COPD and ILD KEISUKE MORIKAWA (MIE Matsusaka, Japan), Yasunori Imaoka, Hiroyuki Takemura, Kana Kitayama, Shunta Shimoda, Shogo Inaba, Haruka Kusuki, Yu Hashitsume, Momoko Hirose, Yuta Suzuki, Makoto Okada, Corina N. D'Alessandro-Gabazza, Esteban Gabazza, Osamu Taguchi, Osamu Hataji
PA826	Impact of rehabilitation on the muscle strength and exercise tolerance in patients with interstitial pneumonia under steroid therapy Nori-hiko Nakanishi (Matsuyama, Japan), Tomonori Moritaka, Koji Inoue, Tomoya Katsuta, Sayaka Tachibana, Kazuhiko Saeki, Haruka Kondoh, Junya Nakamura

PA827	The effectiveness of pulmonary rehabilitation in interstitial lung diseases in terms of functional markers Mária Kerti (Budapest, Hungary), Zsuzsanna Balogh, Krisztina Kelemen, Janos Varga
PA828	Effect of an 8 week pulmonary rehabilitation program in patients with interstitial lung diseases in India. Nicole Maria Pinto (Mumbai (Maharashtra), India), Poorvi Devani, Priyanka Jain, Abha Pandey, Pralhad Prabhudesai
PA829	Benefits of pulmonary rehabilitation (PR) in patients with chronic obstructive pulmonary disease (COPD) and interstitial lung disease (ILD) having the same dyspnoea severity Paula Ines Pedro (Odivelas, Portugal), Lilia Maia Santos, Cristina Braco Forte, Ana Dias, Clara Cruz, Ana Filipe Santos, Fatima Rodrigues
PA830	Associated Factors with the Approval of Pulmonary Rehabilitation for Inpatients with Interstitial Lung Disease: Two-center Retrospective Study Yuta Takahashi (Tokyo, Japan), Mitsutoshi Akiho, Masahiko Kimura, Ryosuke Tsugitomi, Atsushi Kitamura
PA831	The Efficacy Of Outpatient Pulmonary Rehabilitation After Bilateral Lung Transplantation; Case Series Ipek Çaylı Candemir (Ankara, Turkey), Pınar Ergun, Dicle Kaymaz, Erdal Yekeler, Seher Satar, Harun Karamanlı, Nese Demir, Nurcan Egesel, Fatma Sengul
PA832	Development of a new prognosis index (BODS) in patients with COPD: a prospective cohort study Sarah Jones (Berkshire, United Kingdom), Claire Nolan, Suhani Patel, Ruth Barker, Samantha Kon, Michael Polkey, Nicholas Hopkinson, Matthew Maddocks, William Man
PA833	Randomized study of home pulmonary rehabilitation in COPD: preliminary results Roberto Benzo (Pittsburgh, United States of America), Kevin Kramer, Johanna Hoult, Paul Novotny, Sara Seifert
PA834	COPD patients with ESOD score 3-4 reduce hospitalizations after a Pulmonary Rehabilitation Program Paulo José Zimmermann Teixeira (Porto Alegre (RS), Brazil), Rafael Machado De Souza, Alvaro Huber Santos, Ivo Bohn Jr, Mateus Schneider, Cassia Cinara Costa
PA835	Comparison of yoga with pulmonary rehabilitation on body composition, inflammatory biomarkers and dyspnoea in patients with COPD Randeep Guleria (New Delhi (Delhi), India), Sneha Arora, Pawan Tiwari, Anant Mohan, M Kalaivani, Karan Madan
PA836	Impact of fatigue improvement after pulmonary rehabilitation education on the long-term prognosis of patients with COPD Yutaro OKI (Kobe, Japan), Akira Tamaki, Yukari Fujimoto, Kanji Yamada, Yuji Mitani, Yusuke Iwata, Takumi Yamaguchi, Akio Yamamoto, Hiromi Kaneko, Mineko Ohira, Akira Ishikawa
PA837	Effectiveness of peripheral muscles neuromuscular electrical stimulation (NMES) as the rehabilitation of severe chronic obstructive pulmonary disease (COPD) patients. Tatyana Kunafina (Korolev, Russian Federation), Aleksander Grigorievich Chuchalin, Andrey Staniislavovich Belevskiy, Natalia Nicolaevna Meshcheriakova
PA838	Effect of pulmonary rehabilitation on balance control in patients with COPD Murat Öztürk (Istanbul, Turkey), Ipek Özmen, Mine Gülden Polat, Elif Yıldırım, Meral Karakış
PA839	Changes of transdiaphragmatic pressure and breathing pattern during different levels of inspiratory loading Yo Tamura (Tokyo, Japan), Masahiko Kimura, Yuji Iwanami, Manaka Shibuya, Tsuyoshi Ichikawa, Masanori Yokoba, Atsuhiko Matsunaga
PA840	A prospective observational study on long-term non invasive ventilation (L-T NIV) in COPD patients attending an inpatient pulmonary rehabilitation program (PRP) Claudia Mannini (Empoli (FI), Italy), Biagio Campana, Paolo Innocente Banfi, Eleonora Volpato, Antonella Arcadu, Elisa Chellini, Isabella Romagnoli, Barbara Lanini, Francesco Gigliotti
PA841	Relationship between intrathoracic pressure and inspiratory volume during manually breathing assist technique yuji iwanami (tokyo, Japan), Masahiko Kimura, Yo Tamura, Manaka Shibuya, Tsuyoshi Ichikawa, Masanori Yokoba, Atsuhiko Matsunaga
PA842	Knowledge and skills for inhaled drugs before and after a rehabilitation program in COPD: a real life study Domenico Fiorenza (Gussago (BS), Italy), Alessandra Montini, Giovanna Benedetti, Antonella Pluda, Cristina Zanoni, Mara Paneroni, Michele Vitacca
PA843	Pulmonary and Exercise Improvement by choir singing in COPD Patients Katrin Enste (Hürth, Germany), Anette Einzmann, Bernd Gast, Dennis Ladage, Sebastian Schlünz, Konrad Frank
PA844	Tai Chi for People with COPD: A comparison of baseline characteristics with standard Pulmonary Rehabilitation attendees Keir Philip (London, United Kingdom), Claire Davey, Brendan De Luca, Lucy Gardiner, Rishi Gupta, Jane Simpson

TP-11

Session 103

12:50 - 14:40

Thematic poster: Imaging of various diseases with different imaging modalities

Disease(s) : Thoracic oncology Respiratory critical care Pulmonary vascular diseases Respiratory infections Airway diseases
 Interstitial lung diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Surgery Endoscopy and interventional pulmonology Imaging

Chairs : Heinrike Wilkens (Homburg (Saar), Germany), Aleksandar Grgic (Homburg, Germany), Johan Coolen (Leuven, Belgium), Chair to be confirmed

- PA845** **Factors associated with the growth of ground-glass opacity nodules on chest computed tomography**
Jung Hyun Chang (Seoul, Republic of Korea), Yon Ju Ryu, Jin Hwa Lee
-
- PA846** **Matching morphological and molecular analysis of not-solid neoplastic lung nodules. A single institution experience**
Giulia Maria Stella (Pavia (PV), Italy), Antonio Ciuffreda, Maria Chiara Mennitti, Patrizia Morbini, Filippo Antonacci, Chandra Bortolotto, Roberta Catania, Roberto Dore
-
- PA847** **Quantification of neutrophil accumulation in early lung cancer**
Nicola Tregay (Cambridge (Cambridgeshire), United Kingdom), Neda Farahi, Laurence Lok, Chrystalla Loutsios, Chandra Solanki, Daniel Gillett, John Buscombe, Uta Hill, Giuseppe Aresu, Adam Peryt, Robert Rintoul, Frank Mccaughan, A. Micheal Peters, Edwin Chilvers
-
- PA848** **Imaging features in post-operative lung cancer recurrence**
Monia Attia (La Marsa, Tunisia), Henda Neji, Mariem Affes, Soumaya Ben Saad, Houda Gharsalli, Ines Baccouche, Saoussen Hantous, Khaoula Ben Miled
-
- PA849** **Impact of video-fluoroscopic swallow studies on paediatric feeding management and clinical status**
Khaled Akel (Arara, Israel), Hannah Blau, Yuliana Eshel, Silvia Grozovsky, Julia Gendler, Huda Muzzaffi, Meir Mei Zahav, Dario Prais, Guy Steuer, Chagit Levine, Patrick Stafler
-
- PA850** **Usefulness of automatic pulmonary artery extraction in bronchoscopic navigation system**
Mamoru Kunisaki (Sapporo, Japan), Naofumi Shinagawa, Hirohumi Takahashi, Yuta Takashima, Megumi Furuta, Tetsuaki Shoji, Hidenori Kitai, Machiko Sasaki, Hidenori Mizugaki, Hajime Kikuchi, Eiki Kikuchi, Junko Kikuchi, Jun Sakakibara, Masaharu Nishimura
-
- PA851** **Mapping cardiac-induced lung motion using high-resolution time-resolved phase-contrast synchrotron computed tomography**
Luca Fardin (Grenoble, France), Ludovic Broche, Goran Lovric, Anders Larsson, Alberto Bravin, Sam Bayat
-
- PA852** **Scarring on chest radiograph – is it what it seems?**
Huijia Wang (Singapore, Singapore), Cynthia Chee, Yee Tang Wang, Gregory Kaw
-
- PA853** **The peculiarities of computed tomography (CT) patterns in patients with pulmonary mycobacterioses caused by slowly growing mycobacteria**
Limarova I., Makaryants N., Larionova E., Chernousova L.
Natalia Makaryants (Moscow, Russian Federation)
-
- PA854** **Study to assess the need for CT abdomen/pelvis in patients with unprovoked pulmonary embolism**
Zeeshan Mustafa (Stoke-on-Trent (Staffordshire), United Kingdom), Arushi Sharma, Aqias Khaliq, Mohammed Haris
-
- PA855** **Prevalence of increased ratio between the right and left ventricles among patients undergoing CT pulmonary angiography with and without evidence of pulmonary embolism**
Avi Man (Tel-Aviv, Israel), Yzhak Hadad, Moshe Iluze, Shlomo Berliner, Tomer Ziv-Baran, Zach Rozenbaum, Galit Aviram
-
- PA856** **Utility of chest echography and pulmonary infection score in early diagnosis of ventilator associated pneumonia**
Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Mohammad Aghaa, Rehab Habeab, Reda Ibrahim
-
- PA857** **Imaging of organizing pneumonia**
Samy Kammoun (Sfax, Tunisia), Fendri Hela, Feki Wiem, Guermazi Haifa, Feki Walid, Mzid Yosra, Daoud Emna, Fourati Hela, Mnif Zeineb
-
- PA858** **What is the role of chest imaging in primary immunodeficiency disorders? About twelve cases**
Samy Kammoun (Sfax, Tunisia), YOSRA MZID, Wiem Feki, Walid Feki, Hela Fendri, Emna Daoud, Hela Fourati, Zeineb Mnif
-
- PA859** **Relationship between HRCT changes and clinical parameters in patients with scleroderma**
David Laszlo Tarnoki (Budapest, Hungary), Adam Domonkos Tarnoki, Vladyslava Skakun, Kinga Karlinger, Eniko Barczy, Aniko Bohacs, Veronika Muller

- PA860** **Layout of alveoli and pores of Kohn on magnified 3D printed model of the peripheral lung specimen by micro CT**
Hiroshi Natori (Sapporo, Japan), Hirotsugu Takabatake, Masaki Mori, Kensaku Mori, Masahiro Oda, Hiroyuki Koba, Hiroki Takahashi
- PA861** **Characteristics of images from CT scans in elderly patients with acute cardiogenic pulmonary edema**
Hirokazu Touge (Yonago, Japan), Katsuyuki Tomita, Masaharu Fukuki, Ryota Nagao, Tomoyuki Ikeuchi, Hiromitsu Sakai, Akira Yamasaki, Eiji Shimizu
- PA862** **The added value of computed tomography to thoracentesis and chest x-ray for discriminating malignant from non-malignant causes in unilateral pleural effusions**
Simon Reuter (Roskilde, Denmark), Barbera Malene Fischer, Paul Clementsen, Uffe Bødtger
- PA863** **The diagnostic value of 18F-FDG PET/CT scanning for discriminating malignant from non-malignant causes in unilateral pleural effusions**
Simon Reuter (Roskilde, Denmark), Barbara Malene Fischer, Paul Clementsen, Uffe Bødtger
- PA864** **Correlation of CT Image registration-based metrics of regional ventilation distribution with lung function and exercise capacity in COPD patients: a pilot study**
Julien COHEN (GRENOBLE CEDEX 9, France), Ludovic Broche, Gilbert Ferretti, Meriem Benmerad, Sébastien Bailly, Cevdet Ozcelik, Renaud Tamisier, Jean Louis Pépin, Sam Bayat

TP-12

Session 104

12:50 - 14:40

Thematic poster: Linear and radial EBUS and peripheral nodules

Disease(s) : Thoracic oncology Respiratory infections Airway diseases Interstitial lung diseases Respiratory critical care
Respiratory infections

Method(s) : Imaging General respiratory patient care Endoscopy and interventional pulmonology

Chairs : Laurence M.M.J. Crombag (Huizen, Netherlands), Ales Rozman (Golnik, Slovenia), Artur Szlubowski (Kraków, Poland), Jouke T. Annema (Amsterdam, Netherlands)

- PA865** **Is USG Morphological Features on EBUS TBNA useful for predicting malignancy?**
Umang Shah (NAVI MUMBAI (Maharashtra), India), Arpan Shah, Chandrakant Shah
- PA866** **Utility of routine microbiological testing on Endobronchial Ultrasound (EBUS) guided lymph node aspirates**
(,), David Storey, Brian Mccullagh, Dermot O' Callaghan
- PA867** **Critical aspects of Spontaneous Pneumothorax management in secondary care**
Michael Mather (Gateshead (Tyne and Wear), United Kingdom), Afsara Ahmmed, George Antunes
- PA868** **Performance of Endobronchial Ultrasound Transbronchial Needle Aspiration (EBUS-TBNA) with Rapid On-Site Evaluation (ROSE) in the pathological subtyping and molecular testing of non-small cell lung cancer (NSCLC) at a UK institute**
Christopher Craig (Manchester (Greater Manchester), United Kingdom), Simon Bailey, Nadira Narine, David Shelton, Sakinah Thiryayi, Durgesh Rana, Haider Al-Najjar
- PA869** **Safety of endoscopic versus endobronchial ultrasound in real world - data from multicenter register**
Ilya Sivokozov (Moscow, Russian Federation), Natalya Makaryants, Oksana Yun, Dmitry Sazonov, Sergey Sokolov, Dmitry Dedushkin, Svetlana Pavlova, Natalya Li
- PA870** **EBUS guided Transbronchial needle biopsy (EBUS TBNB) of subcarinal lymph nodes – a Pilot study**
Prince James (Vellore (Tamil Nadu), India), Richa Gupta, Balamugesh Thangakulam, Barney Isaac
- PA871** **Correlation of final pathology with the ROSE used during the EBUS-TBNA**
Benan Caglayan (Istanbul, Turkey), Sinem Iliaz, Pinar Bulutay, Ayse Armutlu, Fatma Isil Uzel, Ayse Bilge Ozturk, Leyla Pur Ozyigit
- PA872** **PROPOFOL SEDATION FOR FLEXIBLE BRONCHOSCOPY (FB) AND ENDOBRONCHIAL ULTRASOUND BRONCHOSCOPY (EBUS): OUR EXPERIENCE.**
Ana Maria Andres Porras (Valladolid, Spain), Sofia Jaurrieta Largo, Ignacio Lobato Astiarraga, Blanca De Vega Sánchez, Ana Isabel García Onieva, Maria José Chourio Estaba, Maria Irene Alaejos Pascua, Maria Beatriz Cartón Sánchez, Isabel Ramos Cancelo, Carlos Disdier Vicente
- PA873** **Is there any added value of EBUS-TBNA to the identification of non-avid PET-CT lymph nodes?**
Upul Pathirana (Kurunegala, Sri Lanka), Damith Rodrigo, Vasiliki Gerovasili, Jaymin Morjaria
- PA874** **Efficacy and safety of dexmedetomidine versus midazolam sedation in patients undergoing endobronchial ultrasound-guided transbronchial needle aspiration: a double blind randomized controlled trial**
Ashutosh Aggarwal (Chandigarh (Uttar Pradesh), India), Renu Kumari, Kajal Jain, Ritesh Agarwal

PA875	Assessment of histological samples obtained from peripheral lung lesions by using transbronchial forceps and cryobiopsies guided with radial EBUS Mohamed Samy Abdelmegeed Torky (Tanta, Egypt), Felipe Andreo, Wafaa S Elshimy, Mohamed Abdelwahab, Ghada Atef Attia, Raquel Lopez, Jose Luis Mate, Carmen Centeno, Pere Serra, Rachid Tazi Mazalek
PA876	Biopsy through lung parenchymal lesion using virtual bronchoscopy navigation (VBN) Archimedes with EBUS sheath tunneling Joseph Ramzy (Philadelphia, United States of America), John Travaline, Jiji Thomas, Matthew Basile, Patrick Massetti, Gerard Criner
PA877	Feasibility of low-dose three-dimensional CT for peripheral bronchoscopy Jung Seop Eom (Busan, Republic of Korea), Insu Kim, Mim Ki Lee, Seyeon Park
PA878	Algorithmic interventional approach can successfully and safely diagnose-stage bronchoscopically invisible peripheral lung lesions. Philip Emmanouil (Athens, Greece), Abdelfattah Touman, Nikolaos Koufos, Vlasios Vitsas, Ioannis Athanasopoulos, Nikolaos Koulouris, Grigorios Stratakis
PA879	Electromagnetic Navigation Bronchoscopy (ENB): Florence experience. Marco Trigiani (Ghedi (BS), Italy), Margherita Innocenti, Michela Bezzi
PA880	Accuracy of mutation analysis in small tissues from transbronchial lung biopsy with radial probe endobronchial ultrasound INSU KIM (Busan, Republic of Korea), Jung Seop Eom, Min Ki Lee, Seyeon Park
PA881	Electromagnetic Navigation Bronchoscopy (ENB) in patients with severe COPD. Jean-Baptiste Stern (Paris Cedex 14, France), Thibault Vieira, Marine Lefevre, Philippe Girard, Raffaele Caliandro
PA882	PD-L1 determination in cytological and histological samples in patients with non-small cell lung cancer Sonia Margarita Baeza Mena (barcelona, Spain), Carmen Angela Centeno Clemente, Felipe Andreo Garcia, Pere Serra Mitja, Rachid Tazi Mezalek, Jose Luis Mate Sanz, Carlos Martinez Barenys, Enric Carcereny Costa, Victor Margeli Cervera, Jorge Abad Capa
PA883	Transparietal chest pathology biopsy under CT control. Peter Kukol (Vysne Hagy, Slovakia)
PA884	Diagnostic rate of endobronchial ultrasound with transbronchial needle aspiration (EBUS-TBNA) for benign causes of mediastinal lymphadenopathy Xiao Ya Hu (Sydney (NSW), Australia), John Wheatley, Peter Wu

TP-13

Session 105

12:50 - 14:40

Thematic poster: Pleural interventions**Disease(s) :** Thoracic oncology Airway diseases Respiratory critical care Respiratory infections Respiratory infections**Method(s) :** Respiratory intensive care Surgery General respiratory patient care Endoscopy and interventional pulmonology**Chairs :** Najib M. Rahman (Oxford, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom), Ioannis Psallidas (Oxford, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands)

PA885	Late Breaking Abstract - Day case medical thoracoscopy safety: tertiary centre review Hugh Ip (London, United Kingdom), Sarah Ahmed, Alex West, Liju Ahmed
PA886	Multicenter review suggests tunneled pleural catheter use in antineoplastic therapy-related immunosuppression does not increase infection rate Candice Wilshire (Seattle, United States of America), Christopher Gilbert, Jason Akulian, Rachelle Asciak, Benjamin Beville, Kevin Davidson, Ashley Delgado, Hans Lee, Justin Lewis, Fabien Maldonado, Nicholas Pastis, Najib Rahman, Chakravarthy Reddy, Lance Roller, Henry Steer, Momen Wahidi, Howard West, Amber Wright, Lonny Yarmus, Jed Gorden
PA887	Multidisciplinary approach to connective tissue disease (CTD) related pleural effusions Eugene Ace McDermott (London, United Kingdom), Hugh Ip, Parthipan Sivakumar, Sangita Agarwal, Boris Lams, Alex West, Liju Ahmed
PA888	Comparison between small-bore catheters and large-bore chest tubes for the management of complicated paraneumonic pleural effusion. Julia Herrero Huertas (Oviedo, Spain), Francisco Lopez Gonzalez, Ariel Moreda, Ines Ruiz Alvarez, Tamara Hermida Valverde, Carmen Osoro Suarez, Andres Ortiz Reyes, Lucia Garcia Alfonso, Ana Isabel Enriquez Rodriguez, Cristina Hernandez Gonzalez, Pere Casan Clara

PA889	MITOXANTRONE PLEURODESIS - WHEN TALC IS NOT AN OPTION! Roberto Emídio Meleira Taborda da Silva (Covilhã, Portugal), Juliana Barata, Mafalda Batista, Sara Martins, Inês Vicente, Eunice Magalhães, Jesus Valente, Saete Valente
PA890	Pleural pressure pulse - a new phenomenon registered during pleural manometry Elżbieta Magdalena Grabczak (Warszawa, Poland), Marcin Michnikowski, Grzegorz Styczyński, Monika Zielinska-Krawczyk, Anna M. Stecka, Piotr Korczynski, Krzysztof Zielinski, Krzysztof J. Palko, Tomasz Golczewski, Rafal Krenke
PA891	Variable adoption of intrapleural fibrinolytic therapy for pleural space infections Anee Sophia Jackson (Seattle, United States of America), Joshua R Rayburn, Carson C Fuller, Candice L Wilshire, Christopher R Gilbert, Brian E Louie, Ralph W Aye, Eric Vallières, Alex S Farivar, Adam J Bograd, Kimberly E Costas, John R Handy, Svetlana Kotova, Jed A Gorden
PA892	C.T assisted Abrams needle pleural biopsy for diagnosis of cases with exudative pleural effusion Ahmed Kabil (Cairo, Egypt), Fares Ouf, Talaat Arfa, Nabil Awad, Hussein Yassin
PA893	Smear cytology of Pleural nodule during Thoracoscopy - A new approach for early diagnosis of Pleural pathology. Prince James (Vellore (Tamil Nadu), India), Richa Gupta, D J Christopher, Balamugesh Thangakulam, Jennifer Prabhu
PA894	Implementation of medical thoracoscopy after an ERS course: a survey. Stavros Anevlavis (Komotini, Greece), Sarah Dowsland, Philippe Astoul, Marios E. Froudarakis
PA895	Developing an integrated pleural service Bakere Hugh (, United Kingdom), Elizabeth Batalla-Duran
PA896	Respiratory Medicine trainees' experience with large bore chest drains: Results from a UK wide national survey. Sannaan Irshad (Derby (Derbyshire), United Kingdom), Ahmad Kamal Azri Abi Musa Asa'Ari, Usman Maqsood, Shahbaz Piracha, Shahul Leyatkh Ali Khan, Nadeem Maddekar, Muhammad Haris, Muhammad Badar Ganaie
PA897	Povidone iodine vs. oxytertracycline efficacy in pleurodesis of patients with malignant pleural effusion Anjuli May Jaen (Pasay City, Philippines), Tomasito Sy, Elvie Victonette Gonzalez
PA898	Utility of bronchoscopy in pleural effusion of unknown origin Sonia Castro Quintas (Bilbao (Bizkaia), Spain), Leyre Serrano Fernandez, Beatriz Gomez Crespo, Marta Garcia Moyano, Idoia Salinas Garrido, Beatriz Gonzalez Quero, Luis Alberto Ruiz Iturriaga, Rafael Zalacain Jorge
PA899	Pneumothorax induction with a Boutin needle without ultrasound guidance during local anaesthetic thoracoscopy. Mark Watson (London, United Kingdom), Samal Gunatilake, Jonathan Owen, Herve Jullian
PA900	Indwelling pleural catheters vs. pleurodesis for malignant pleural effusions: a meta-analysis Anjuli May Jaen (Pasay City, Philippines), Ralph Elvi Villalobos, Ruth Divinagracia, Irene Tan
PA901	Outcome of early medical thoracoscopy in pleural infection. Søren Helbo Skaarup (Aarhus C, Denmark), Giampietro Marchetti
PA902	Comparative study of cryobiopsy and forceps biopsy on thoracoscopy in undiagnosed pleural effusions at a tertiary care centre in India Abhijit Vinod Ahuja (Mumbai (Maharashtra), India), Jeenam Shah, Rajiv Goyal
PA903	Comparison of analgesic use during pneumothorax treatment using ambulatory device and chest drainage Milan Sova (Olomouc, Czech Republic), Martin Poruba, Petr Jakubec, Jaromir Zatloukal, Karel Urbanek, Vitezslav Kolek
PA904	Recurrence in spontaneous pneumothorax - 15 years review Maria João Freitas Ferreira Araújo (Guimarães, Portugal), Filipa Aguiar, Raquel Pereira, Joana Lages, Ana Luisa Vieira, Cecília Pacheco, Lurdes Ferreira, João Cunha

TP-14

Session 106

12:50 - 14:40

Thematic poster: Primary care management of COPD**Disease(s) :** Airway diseases**Method(s) :** Public health Epidemiology Respiratory intensive care General respiratory patient care**Chairs :** Rachel Jordan (Birmingham (West Midlands), United Kingdom), Evelyn Brakema (Amsterdam, Netherlands), Persijn Honkoop (Leiden, Netherlands), Chair to be confirmed

- PA905** **Using a rapid prioritisation process to identify health research priorities in LMICs**
Andy Dickens (Birmingham (West Midlands), United Kingdom), Peymane Adab, Kar Cheng, Chunhua Chi, Brendan Cooper, Jaime Correia De Sousa, Alexandra Enocson, Amanda Farley, Nicola Gale, Kate Jolly, Sue Jowett, Mariam Maglakelidze, Tamaz Maglakelidze, Sonia Martins, Radmila Ristovska, Alice Sitch, Katarina Stavrikj, Rafael Stelmach, Alice Turner, Sian Williams, Rachel Jordan

PA906	Peak-flow or portable spirometry as a replacement for Spirometry in the diagnosis of COPD and Asthma Sanjeev Nair (Trivandrum (Kerala), India), Arjun Padmanabhan, Anitha Kumari
PA907	Describing “real world” COPD patients in primary care in Germany – Findings of the BeoNet-Registry Carolina Judith Klett-Tammen (Hannover, Germany), Heidrun Lingner, Alexander Kuhlmann, Torben Schmidt, Johanna Lutter, J M Von Der Schulenburg, Michael Kreuter, Tobias Welte
PA908	Health status changes in Dutch regular care COPD patients classified per GOLD category Harma Alma (Groningen, Netherlands), Corina De Jong, Robbert Sanderman, Janwillem Kocks, Thys Van Der Molen
PA909	Asthma and Chronic Obstructive Pulmonary disEase Decision Support System (Asthmacope DSS) for managing neglected chronic respiratory diseases in resource constrained primary health care setting in India Raghupathy Anchala (Hyderabad (Andhra Pradesh), India)
PA910	Health seeking behaviour and care provided to obstructive airway disease patients in Trivandrum, South India Padmanabhan Arjun (Trivandrum (Kerala), India), Sanjeev Nair, Anitha Kumari
PA911	COPD GOLD 2017 guidelines adherence in Swiss pulmologists and general practitioners Joana Marmy (Liestal, Switzerland), Jens Diedrich, Thomas Dieterle, Jörg Leuppi
PA912	Improvement of self-reported physical functioning with tiotropium/olodaterol in Central and Eastern European COPD patients Arschang Valipour (Wien, Austria), Michael Tamm, Jana Kociánová, Valentina Bayer Zubek, Alexey Medvedchikov, Monika Haaksma Herczegh, János Mucsi, Zvi Fridlender, Claudia Toma, Andrey Belevsky, Bohumil Matula, Jurij Šorli
PA913	National and international expansion of capacity building model of India for primary care physicians(PCPs) in the management of COPD & Asthma Haresh Chandwani (Gurgaon (Haryana), India), Sourabh Sinha, Shilpa Jain, Priyanka Gupta, Sandeep Bhalla, Bv Murali Mohan, Monica Barne, Sundeep Salvi, Dorairaj Prabhakaran
PA914	The impact of obstructive airway diseases (OADs) training on knowledge level of 385 allied health professionals in India Madhuragauri Shevade (Pune (Maharashtra), India), Komalkirti Apte, Sapna Madas, Nisha Kale, Sundeep Salvi
PA915	The MISTRAL study: COPD treatment by general practitioners – diagnosis, treatment decisions, and cooperation with pneumologists Khesraw John Karmand (Xanten, Germany), Thomas Voshaar, Lucia Krott
PA916	Step-down of non-indicated triple therapy in COPD using routine primary care data: A regional pilot study Andrew Creamer (Bristol (Avon), United Kingdom), Elizabeth Mallett, Angela Stinchcombe, J Calvert
PA917	Why prescribe ICS to Dutch COPD patients in primary care, and when and how to stop. Data from focus groups with patients and health care providers Corina de Jong (Groningen, Netherlands), Job Van Boven, Tjard Schermer, Roland Riemersma, Ebian Brill, Maarten Van Den Berge, Thys Van Der Molen, Janwillem Kocks
PA918	Data mining Inhaled corticosteroid Beclometasone dipropionate (bdp) equivalent dose from routine primary care records Chris Newby (Leicester (Leicestershire), United Kingdom), Diamor Marke, Shauna Mckibben, Chris Griffiths
PA919	REducing Delay through edUcation on eXacerbations (REDUX) in patients with COPD Cynthia Hallensleben (Capelle aan den IJssel, Netherlands), Jaco Biewenga, Job F.M. van Boven, Niels H. Chavannes
PA920	The risk of repeated hospitalizations for exacerbations of chronic obstructive pulmonary disease Rustem Khamitov (Kazan (Republic of Tatarstan), Russian Federation), Alfia Iakupova, Aigoul Zinnatullina
PA921	Prediction of future COPD exacerbations - DOSE index or a history of exacerbations? Björn Ställberg (Uppsala, Sweden), Marieann Högman, Christer Janson, Kristina Bröms, Andrei Malinovski, Karin Lisspers
PA922	Understanding referral to Pulmonary Rehabilitation for COPD patients by Primary Health Care staff - a qualitative study using the Theoretical Domains Framework. Jane Watson (Cambridge (Cambridgeshire), United Kingdom), Rachel Jordan, Paymane Adeb, Alexandra Enocson, Sheila Greenfield, Ivo Vlaev
PA923	TANDEM (Tailored intervention for ANxiety and DEpression Management in COPD) trial: Qualitative interviews with health care professionals from the pilot phase clarisse dibao-dina (tours, France), Stephanie Taylor, Hilary Pinnock, Elizabeth Steed, Sarah Saqi-Waseem, Moira Kelly

- PA924** **Participant experiences in TANDEM feasibility pilot**
Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Amy Barradell, Ratna Sohanpal, Kristie-Marie Mammoliti, Anna Moore, Stephanie Jc Taylor

TP-15

Session 107

12:50 - 14:40

Thematic poster: Functional genomics and COPD: new challenges

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Pulmonary vascular diseases** **Respiratory infections** **Sleep and breathing disorders** **Respiratory infections**

Method(s) : General respiratory patient care Physiology Epidemiology Cell and molecular biology

Chairs : Sukhwinder Singh Sohal (Launceston (TAS), Australia), Isabelle Vachier (Montpellier, France), Aurélien Justet (Paris, France), Guillaume Beltramo (Dijon, France)

- PA925** **Targeting FOXO and Lung-Cell Senescence to Treat Chronic Obstructive Pulmonary Disease**
Amal Houssaini (Créteil, France), Emanuelle Born, Shariq Abid, Elisabeth Marcos, Marielle Breau, Larissa Lipskaia, Delphine Beaulieu, Dominique Rideau, Aurelien Parpaleix, Nora Vienney, Pierre Validire, Jorge Boczkowski, Serge Adnot

- PA926** **DNA methylation and gene expression changes in human lung fibroblasts occur already in mild COPD and progress with disease development**
Renata Jurkowska (Heidelberg, Germany), Maria Llamazares Prada, Uwe Schwartz, Mandy Richter, Raluca Tamas, Thomas Muley, Andre Warth, Dieter Weichenhan, Christoph Plass

- PA927** **SNPs which influence the transcriptional response to acute smoke exposure are associated with long term lung function decline in smokers**
Alen Faiz (Groningen, Netherlands), Ehab Billatos, Marc Lenburg, Avrum Spira, Judith Vonk, Marike Boezen, Irene Heijink, Maarten Van Den Berge

- PA928** **The genomic instability in clean-up workers of Chernobyl NPP with COPD**
Lyudmila I. Shvayko (Kyiv, Ukraine), Kostiantyn Bazyka, Iryna Iliencko, Natalya Golyarnik

- PA929** **Cigarette smoke extract alters genome-wide profiles of circular RNAs in primary human alveolar epithelial cells**
Zeng Ni (Beijing, China), Shen Yongchun, Wen Fuqiang

- PA930** **Dynamics of oxidative and antioxidant parameters of the exhaled air condensate in COPD.**
Igor A. Klimanov (Moscow, Russian Federation), E Zaprudnova, P Zhestkov, Sayd Manas, M Smirnov, M Glukhova, O Brodskaya, S Soodaeva

- PA931** **LIPID PEROXIDATION IN PATIENTS WITH COPD AND CHRONIC HEART FAILURE.**
Igor A. Klimanov (Moscow, Russian Federation), Anastasia Khaletskaya, Aleksandr Kuznechov, Klavdia Kontorschikova, Nailya Kubysheva, Daria Leonova, Anastasia Bobkova, S Soodaeva

- PA932** **Systemic inflammation is associated with mitophagy signalling in skeletal muscle of COPD patients**
Harry R. Gosker (Maastricht, Netherlands), Pieter A. Leermakers, Anita E. Kneppers, Marco C. Kelders, Chiel C. De Theije, Annemie M. Schols

- PA933** **Oxidative stress indicators in patients with an exacerbation of COPD**
Svetlana K. Soodaeva (Moscow, Russian Federation), Nailya Kubysheva, Igor Klimanov, Timur Li, Mary Glukhova, Tatyana Eliseeva, Lidiya Nikitina

- PA934** **Metabolic paralysis in systemic immune cells of Chronic Obstructive Pulmonary Disease (COPD) subjects.**
Ankita Brahme (Pune (Maharashtra), India), Smita Kadam, Manas Agrawal, Komalkirti Apte, Govinda Narke, Sapna Madas, Sundeep Salvi, Amit Agarwal

- PA935** **To the molecular genetic mechanisms of the COPD pathogenesis**
Vyacheslav Kobylansky (Moscow, Russian Federation)

- PA936** **Molecular characterization of novel PiS-like alleles identified in Spanish patients with Alpha-1 antitrypsin deficiency**
Nerea Matamala (MADRID, Spain), Gema Gomez-Mariano, Selene Martínez, Alejandra Damián, Virginia Aquino, Sheila Ramos, Irene Gonzalo, Raquel Saez, Igor Iturbe, Javier Michel De La Rosa, María Molina-Molina, María Del Puerto Cano, Ignacio Blanco, Cristina Esquinas, Francisco Casas-Maldonado, Beatriz Martínez-Delgado

- PA937** **Functional metagenomics of induce sputum microbiome in Biomass-Smoke associated COPD subjects in rural Indian population**
Baishakhi Ghosh (Bangalore (Karnataka), India), Akshay Gaike, Shreyas Kumbhare, Kanchan Pyasi, Jyoti Londhe, Vandana V Das, Bill Brashier, Dhiraj Dhotre, Yogesh Shouche, Louise Donnelly, Peter Barnes, Sundeep Salvi

- PA938** **Cytochrome P450 2A5 methylation and gene expression profile is organ-specific and affected by maternal smoking during pregnancy**
Khosbayan Lkhagvadorj (Groningen, Netherlands), Karolin F. Meyer, Laura P. Verweij, Zhijun Zeng, Torsten Plösch, Machteld Hylkema
- PA939** **Role of β 2-adrenergic receptor in cigarette smoke-induced COPD in mice**
Anne Orholm Nielsen (Køge, Denmark), Steen Seier Poulsen, Morten Dahl
- PA940** **Impaired skeletal muscle kynurenine metabolism in patients with COPD**
Harry R. Gosker (Maastricht, Netherlands), Gerard Clarke, John F. Cryan, Annemie M. Schols
- PA941** **Dysregulation of circadian clock genes in human pulmonary vascular cells exposed to cigarette smoke extract: possible involvement of epigenetic modification**
Tao Wang (Chengdu (Sichuan), China), Yuru Lan, Zhicheng Yuan, Jun Chen, Fuqiang Wen
- PA942** **Blood levels of matrix metalloproteinases (MMPs) and tissue inhibitors of matrix metalloproteinases (TIMPs) as biomarkers of COPD.**
Dimo Dimov (Stara Zagora, Bulgaria), Tacheva Tanya, Ivanova Donika, Zhelyazkova Yanitsa, Vlaykova Denitsa, Gulubova Maya, Vlaykova Tatyana
- PA943** **The KEAP1/NRF2 signaling system genes and their target genes are associated with COPD**
Iuliia Aznabaeva (Ufa (Republic of Bashkortostan), Russian Federation), Gulnaz Korytina, Leysan Akhmadishina, Olga Kochetova, Shamil Zagidullin, Tatyana Victorova
- PA944** **Role of NKX2-1 in diffuse infiltrative pneumonia**
Elodie NATTES (CRETEIL, France), Alix De Becdelievre, Pierre Lesimple, Marion Onnée, Céline Delestrain, Ralph Epaud, Pascale Fanen

TP-16

Session 108

12:50 - 14:40

Thematic poster: Studying novel biomarkers in asthma and COPDDisease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Imaging Epidemiology Physiology General respiratory patient care Cell and molecular biology

Chairs : Ian M. Adcock (London, United Kingdom), Gareth Hynes (Oxford (Oxfordshire), United Kingdom), Sophie Hardy (Gembloux, Belgium), Chair to be confirmed

- PA945** **Lymphocyte senescence in COPD is associated with decreased sirtuin 1 expression in steroid resistant pro-inflammatory lymphocytes**
Greg Hodge (Adelaide (SA), Australia), Hubertus Jersmann, Hai Tran, Rhys Hamon, Eugene Roscioli, Mark Holmes, Paul Reynolds, Sandra Hodge
- PA946** **Cytogenetic analysis in peripheral blood lymphocytes from allergic and non-allergic asthmatic patients**
Andrey Lintsov (st.Petersburg, Russian Federation), Boris Uslontsev, Nadezhda Pleskach, Viktor Mikhelson
- PA947** **Consistently low blood lymphocytes in smokers are associated with worse clinical outcomes.**
Umberto Semenzato (Padova (PD), Italy), Graziella Turato, Matteo Bonato, Mariaenrica Tinè, Davide Biondini, Erica Bazzan, Jose Maria Marin, Marina Saetta, Manuel Cosio
- PA948** **Airway eosinophilia in severe asthma is associated with smoking history**
Alexander Silberbrandt (Hellerup, Denmark), Anna Von Bülow, Vibeke Backer, Celeste Porsbjerg
- PA949** **Blood eosinophils do not reliably reflect airway eosinophils in asthmatic children**
Matteo Bonato (Piombino Dese (PD), Italy), Erica Bazzan, Deborah Snijders, Graziella Turato, Chiara Rigobello, Davide Biondini, Mariaenrica Tinè, Manuel G. Cosio, Angelo Barbato, Marina Saetta, Simonetta Baraldo
- PA950** **Blood vs sputum eosinophils as predictors of exacerbations in a cohort of severe asthmatics**
Bruno Sposato (Grosseto (GR), Italy), Manuela Latorre, Marco Scalese, Matteo Bradicich, Sara Brighindi, M Daniele, R Del Cesta, Federico Dente, Antonella Di Franco, Elena Bacci, Pierluigi Paggiaro
- PA951** **Periostin expression in the U-BIOPRED severe asthma bronchoscopy cohort**
Susan Jane Wilson (Southampton (Hampshire), United Kingdom), Ali Faruqi, Jonathan Ward, Jenny Norman, Ana Sousa, Julie Corfield, Peter Sterk, Fan Chung, Ratko Djukanovic, Barbro Dahlen, Pascal Chanez, Dominick Shaw, Norbert Krug, Thomas Sandstrom, Peter Howarth, Cecile Holweg
- PA952** **Cellular pattern of bronchial inflammation in asthma patients with functional signs of irreversible obstruction**
Ekaterina Y. Kochegarova (Blagoveshchensk (Amur Oblast), Russian Federation), Juliy M. Perelman, Victor P. Kolosov, Aleksey B. Pirogov, Natalia L. Perelman, Svetlana V. Naryshkina

PA953	The influence of smoking on the formation of cold airway hyperresponsiveness and destructive-cytolytic profile of goblet cells in asthma patients Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prikhodko, Victor P. Kolosov, Sergey V. Zinovyev, Artem V. Kolosov, Elena Karapetyan, Xiangdong Zhou, Qi Li
PA954	Galectn-3 : marker of airway inflammation in bronchial asthma Reham Elkolaly (Tanta, Egypt), Dareen Ali
PA955	PECULIARITIES OF CYTOKINE DYNAMICS IN PATIENTS WITH BRONCHIAL ASTHMA Sayyora Bazarova (Tashkent, Uzbekistan), Gulnara Dzhambekova, Elnara Ismailova
PA956	Bacterial load and contamination in lung microbiota studies Christine Drengenes (Bergen, Norway), Harald Wiker, Tharmini Kalanathan, Tomas Eagan, Rune Grønseth
PA957	Endotypes of severe allergic asthma patients who clinically benefit from Anti-IgE therapy Chi-Hsien Huang (Taipei, Taiwan), Yu-Chen Huang, Chih-Ming Weng, Meng-Jung Lee, Chun-Hua Wang, Han-Pin Kuo
PA958	Evaluation of CTLA4 and FCER1a Polymorphisms in Asthmatic Patients in South West of Iran Pegah Ghandil (Ahwaz, Islamic Republic of Iran), Zahra Roshanizadeh, Heshmat Tavakol, Ali Khodadadi, Ata Ghadiri
PA959	Cytokine profiles in the lungs of patients with interstitial and obstructive lung diseases Peter Korosec (Golnik, Slovenia), Katarina Osolnik, Darja Polak, Mateja Marc Malovrh, Sabina Skrgat
PA960	T-cell subsets in bronchoalveolar lavage fluid from adults with a history of Bronchopulmonary Dysplasia (BPD) Petra Um-Bergström (Sollentuna, Sweden), Melvin Pourbazargan, Bettina Levänen, Marika Ström, Eva Berggren-Broström, Erik Melén, Åsa Wheelock, Anders Lindén, Magnus Sköld
PA961	Relationship between circulating serpin 3g, activity of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1, 2 with chronic obstructive pulmonary disease severity Pelin Uysal (istanbul, Turkey), Hafize Uzun
PA962	Serum periostin is not a good biomarker to identify Th2-driven inflammation in COPD Orestes Carpaij (Groningen, Netherlands), F.O.W. Muntinghe, M.B. Wagenaar, J.W. Habing, W. Timens, H.A.M. Kerstjens, M.C. Nawijn, L.I.Z. Kunz, P.S. Hiemstra, C.T.J. Holweg, W. Tew, M. Van Den Berge
PA963	Sputum cytokine profiling according to the type of airway inflammation in obstructive pulmonary diseases Małgorzata Proboszcz (Warszawa, Poland), Patrycja Nejman-Gryz, Magdalena Paplińska-Goryca, Katarzyna Górska, Rafał Krenke, Tadeusz Przybyłowski
PA964	Peroxide tone in nasal exhaled breath condensate after nasal provocation MASATO MIWA (TOKYO, Japan), Yufu Ohkubo, Aysuko Sakanushi, Kazuki Sato, Ryosuke Murakami, Kimihiro Okubo, Shiro Iijima, Ko Okumura

TP-17

Session 109

12:50 - 14:40

Thematic poster: Identification of therapeutic targets for asthmaDisease(s) : **Airway diseases** **Respiratory infections** **Respiratory infections**

Method(s) : Endoscopy and interventional pulmonology Physiology Cell and molecular biology

Chairs : Susanne Krauss-Etschmann (Borstel, Germany), Chair to be confirmed

PA965	Human airway trypsin-like protease stimulates differentiation of fibroblasts to myofibroblasts in human bronchial fibroblasts in vitro Mari Miki (Toyonaka, Japan), Keisuke Miki, Seigo Kitada, Yukiyasu Takeuchi, Rie Tsutsumi, Susumu Yasuoka
PA966	Increased endocytosis activity contributes to the enhanced TGFβ-induced fibroblast to myofibroblast transition in bronchial asthma Marta Michalik (Kraków, Poland), Damian Ryszawy, Dawid Wnuk, Natalia Janik, Elżbieta Karnas, Milena Paw, Hanna Plutecka, Bogdan Jakiela, Zbigniew Madeja
PA967	Enhanced efficiency of phenotypic transition of asthmatic fibroblasts depends on canonical and non-canonical TGFβ/Smad signaling pathways Dawid Wnuk (Kraków, Poland), Karolina Ryczek, Milena Paw, Katarzyna Kmiotek-Wasylewska, Krzysztof Śladek, Grażyna Bochenek, Marta Michalik
PA968	Eosinophils contribute to extracellular matrix remodeling by enhancing pulmonary fibroblasts proliferation, differentiation and extracellular matrix proteins production in asthma Andrius Januskevicius (Kaunas, Lithuania), Ieva Janulaityte, Reinoud Gosens, Virginija Kalinauskaite-Zukauske, Rokas Stonkus, Kestutis Malakauskas

PA969	Eosinophil outer membrane integrins and IL-5, IL-3, GM-CSF receptors expression in severe eosinophilic asthma Virginija Kalinauskaitė-Žukauskė (Kaunas, Lithuania), Ieva Janulaityte, Andrius Januskevicius, Rokas Stonkus, Kestutis Malakauskas
PA970	Eosinophils promote airway smooth muscle cells contractility and a-actin gene expression in asthma Ieva Janulaityte (Kaunas, Lithuania), Andrius Januskevicius, Reinoud Gosens, Virginija Kalinauskaite-Zukauske, Rokas Stonkus, Kestutis Malakauskas
PA971	Transient Receptor Potential (TRP) channel regulation of smooth muscle contraction in asthma Felicity Easton (Leicester (Leicestershire), United Kingdom)
PA972	Involvement of epigenetic factor in regulation of steroid resistant bronchial asthma patients RAVI MISHRA (Lucknow (Uttar Pradesh), India), Ravi Mishra (Ujjain (Madhya Pradesh), India), Harshit Singh, Saurabh Chaturvedi, Mohit Kumar Rai, Vikas Agarwal, Rachna Chaturvedi, Zia Hashim
PA973	Corticosteroid-resistant neutrophilic airway inflammation and hyperresponsiveness caused by IL-13 Hans Michael Haitchi (Southampton (Hampshire), United Kingdom), Elizabeth Davies, Joanne Kelly, Jeffrey Whitsett, Donna Davies
PA974	Role of protein phosphatase 1 glycogen-associated regulatory subunit in asthma Blanca Margarita Bazan-Perkins (Mexico, Mexico), Mayra D. Alvarez-Santos, Marisol Alvarez-González, Elizabeth Eslava-De Jesus, Yazmín Pérez-Del Valle, Javier R. Ambrosio, Olivia Reynoso-Ducoing, Patricia Ramos-Ramirez
PA975	Aerobic exercise reduces airway inflammation, remodeling and hyperresponsiveness by inhibiting reactive oxygen species and TGF-beta production by activated airway leukocytes: a flow cytometry approach Manoel Carneiro De Oliveira Jr (São Paulo (SP), Brazil), Alana Santos Dias, Ana Paula Ligeiro De Oliveira, Rodolfo De Paula Vieir
PA976	SOCS-JAK-STAT Signalling is Involved in the Beneficial Effects of Aerobic Exercise in a Model of HDM-Induced Asthma Ana Oliveira (São Paulo (SP), Brazil), Jefferson Comin Jonco Aquino-Junior, Helida Cristina Aquino-Santos, Ana Paula Ligeiro De Oliveira, Rodolfo De Paula Vieira
PA977	Blocking IL-4Ra with dupilumab prevents lung inflammation in a mouse asthma model Jamie Orenge (Tarrytown, United States of America), Jeanne Allinne, Audrey Le Floc'h, Terra Potocky, Jee H. Kim, Dylan Birchard, George Scott, Yu Bai, Ashique Rafique, Tammy Huang, Joel Martin, Matthew A. Sleeman, Andrew J. Murphy
PA978	First evidence for a gut-lung axis influencing murine lung immunity upon early life antibiotic treatment Gregor Jatzlauk (Borstel, Germany), Sabine Bartel, Stefan Pfeiffer, Michael Schloter, Susanne Krauss-Etschmann
PA979	MIF antagonism restores corticosteroid sensitivity in a murine model of severe asthma venkata sita rama raju Allam (Sydney (NSW), Australia), Ian Adcock, Kian Fan Chung, Eric Morand, James Harris, Maria Sukkar
PA980	Glucocorticoids induce a shift in chemokine profile in LPS-stimulated human alveolar macrophages Carina Mardh (Möln dal, Sweden), Nisha Kurian, Tomas Ottosson
PA981	Inhaled formulation of angiotensin-(1-7) produces lung protective effects in a model of chronic asthma. Giselle Magalhães (Belo Horizonte, Brazil), Maria Da Gloria Rodrigues-Machado, Juliana Gregório, Kezia Gonzaga, Puebla Cassini, Luciola Barcelos, Robson Santos, Maria José Campagnole-Santos
PA982	Bronchial Thermoplasty and its Impact on Mast Cells in the Asthmatic Airway Wall and Smooth Muscle Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N. D'Hooghe, Nick H.T. Ten Hacken, Els J.M. Weersink, Joris J.T.H. Roelofs, Jouke T. Annema, Peter I. Bonta
PA983	Effects of anti-IL17 on inflammation, remodeling, and oxidative stress in an experimental model of asthma exacerbated by LPS Edna Leick (Praia Grande, Brazil), Leandro Camargo, Renato F. Righetti, Luciana R. C. R. B. Aristóteles, Tabata M. Santos, Flávia C. R. Souza, Silvia Fukuzaki, Maysa M. Cruz, Maria Isabel C. Alonso-Vale, Beatriz M. Saraiva-Romanholo, Carla M. Prado, Milton A. Martins, Iolanda F. L. C. Tibério
PA984	The lung microbiota changes associated with inhaled corticosteroid and azithromycin in murine model of COPD Yen-Fu Chen (Douliou, Taiwan), Hsin-Han Hou, Shih-Lung Cheng, Hao-Chien Wang, Chong-Jen Yu

TP-18

Session 110

12:50 - 14:40

Thematic poster: Pulmonary fibrosis: from models to patients

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases Pulmonary vascular diseases

Method(s) : Physiology Cell and molecular biology

Chairs : Manuela Platé (London, United Kingdom), Arnaud Mailleux (Paris, France), Olivier Burgy (Aurora, United States of America), Chair to be confirmed

- PA985** **LSC - 2018 - Distinct metabolic alterations in airway macrophages during pulmonary fibrosis**
Patricia Ogger (London, United Kingdom), Toby Maher (t.maher@rbht.nhs.uk / Royal Brompton Hospital, London), Clare Lloyd (c.lloyd@imperial.ac.uk / Imperial College London, London), Adam Byrne (a.byrne@imperial.ac.uk / Imperial College London, London)
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- PA986** **LSC - 2018 - MTOR regulates TGFβ-induced collagen synthesis via increased glycine biosynthesis**
Ilan Azuelos (Montréal (QC), Canada), Brintha Selvarajah (brintha.hayes@ucl.ac.uk / UCL, London), Manuela Plate (m.plate@ucl.ac.uk / UCL, London), Hannah Woodcock (h.woodcock@ucl.ac.uk / UCL, London), Adam Taylor (adam.2.taylor@gsk.com / GSK, London), Gino Brunori (Gino.2.Brunori@gsk.com / GSK, Ware), Andy Blanchard (andy.d.blanchard@gsk.com / GSK, Stevenage), Paul Mercer (paul.mercer@ucl.ac.uk / UCL, London), Rachel Chambers (r.chambers@ucl.ac.uk / UCL, London)
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- PA987** **LSC - 2018 - Material properties of lung scaffolds derived from healthy and IPF donor tissues are associated with disease pathology**
Anna-Karin Larsson-Callerfelt (Lund, Sweden), Linda Elowsson, Anna Lofdahl (anna.lofdahl@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Oskar Rosmark (oskar.rosmark@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Catharina Muller (catharina.muller@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Anna-Karin Larsson Callerfelt (anna-karin.larsson_callerfelt@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Johan Malmstrom (johan.malmstrom@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University, Lund), Emma Ahrman (emma.ahrman@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University, Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund)
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- PA988** **Transcriptomic profiling of alveolar type 2 cells from mice expressing an ILD associated SFTPCI73T mutation supports their role in inflammatory cell recruitment and fibrotic lung remodeling.**
Michael Beers (Wayne, United States of America), Jeremy Katzen, Alessandro Venosa, Yaniv Tomer, Michael Morley, Shin-Ichi Nureki
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- PA989** **The hypoxia-inducible factor 1a protein stabilizers inhibit transforming growth factor β-induced extracellular matrix proteins in epithelial cells and fibroblasts.**
Akira Ando (Nagoya-city, Japan), Naozumi Hashimoto, Koji Sakamoto, Yoshinori Hasegawa
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- PA990** **Effective LncRNAs on myofibroblast differentiation in human A549 cell line treated with TGF-β**
Merve Yildirim (Istanbul, Turkey), Ozgecan Kayalar, Fusun Oztay
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- PA991** **Anti-fibrotic effect of Atorvastatin on the lung fibroblasts and myofibroblasts**
Ersan Atahan (Istanbul, Turkey), Merve Yildirim, Ozgecan Kayalar, Fusun Oztay
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- PA992** **Effect of NADPH oxidase inhibitors on lung fibroblast proliferation in systemic sclerosis**
Thông Hua-Huy (Paris, France), Carole Nicco, Jean-Luc Boucher, Hai Vu-Ngoc, Estelle Tran-Van-Hoi, Frederic Batteux, Anny Slama-Schwok, Anh Tuan Dinh-Xuan
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- PA993** **Development of improved method to identify and analyze lung fibrocytes with flow cytometry in a reporter mouse strain**
Hiroshi Kawano (Tokushima, Japan), Kazuya Koyama, Haruka Nishimura, Yuko Toyoda, Kozo Kagawa, Seidai Sato, Nobuhito Naito, Hisatsugu Goto, Yutaka Inagaki, Yasuhiko Nishioka
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- PA994** **Unravelling specific mechanisms of wound healing and pulmonary fibrosis in human ex vivo lung tissue slices**
Christina Hesse (HANNOVER, Germany), Samuel Mang, Stefan-Lutz Wollin, Monika Niehof, Peter Braubach, Danny Jonigk, Mark Kühnel, Gregor Warnecke, Olaf Pfennig, Hans-Gerd Fieguth, Armin Braun, Katherina Sewald
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- PA995** **Mast cells and tryptase have migratory effect on human lung fibroblasts that is PAR-2 dependent**
Mariam Bagher (Malmö, Sweden), Anna-Karin Larsson-Callerfelt, Oskar Hallgren, Leif Bjermer, Gunilla Westergren-Thorsson
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- PA996** **Erythropoietin (EPO) attenuates the immunohistochemical expression of tumor growth factor-β (TGF-β) in bleomycin (BLM)-induced pulmonary fibrosis (PF) in rats**
Anna Tzoumaka (Thessaloniki, Greece), Drosos Tsavlis, Doxakis Anastakis, Constantina Symeonidou, Kokona Kouzi - Koliakou, Anastasia Tektonidou, Evangelia Spandou
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- PA997** **Eosinophilic inflammation and worsening of lung function upon pirfenidone treatment in Fra-2 transgenic mice**
Anna Gungl (GRAZ, Austria), Valentina Biasin, Crnkovic Slaven, Leigh M Marsh, Grazyna Kwapiszewska, Horst Olschewski
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- PA998** **A novel chronic murine model of idiopathic pulmonary fibrosis**
Karina Smidt Simon (Brasilia (DF), Brazil), Cesar Melo-Silva, Paulo Veloso-Junior, Verônica Amado, Florêncio Figueiredo, Anamélia Bocca

PA999	Analysis of the lung microbiota in healthy dogs and in canine idiopathic pulmonary fibrosis, a possible spontaneous model for human IPF. Aline Fastrès (Liège, Belgium), Elodie Roels, Bernard Taminau, Minna Rajamäki, Georges Daube, Julien Guiot, Cécile Clercx
PA1000	Protective roles of mannose receptor in an experimental pulmonary fibrosis model Masahiro Yamashita (Morioka (Iwate Prefecture), Japan), Miyuki Niisato, Yasushi Kawasaki, Makoto Maemondo
PA1001	Time-course analysis of bleomycin-induced lung fibrosis in the rat Vanessa Pitozzi (Parma (PR), Italy), Paola Caruso, Martina Bonatti, Fabio Bignami, Maria Gloria Pittelli, Silvia Pontis, Caterina Frati, Chiara Mangiaracina, Federico Quaini, Costanza Lagrasta, Maurizio Civelli, Gino Villetti, Marcello Trevisani
PA1002	Role of regulatory T-cells (Tregs) in bacterial infection-induced lung fibrosis exacerbation in mice Steffi Moyé (Hannover, Germany), Regina Maus, Tim Sparwasser, Jack Gauldie, Martin Kolb, Tobias Welte, Ulrich A. Maus
PA1003	The possible role of gastrin-releasing peptide on pulmonary fibrosis Özgecan Kayalar (Istanbul, Turkey), H Gul Öngen, Fusun Oztay
TP-19	
Session 111	
12:50 - 14:40	
Thematic poster: Pulmonary drug delivery: inhaler use, devices and technologies	
Disease(s) : Airway diseases	
Method(s) : Public health Epidemiology Imaging General respiratory patient care	
Chairs : Omar S. Usmani (London, United Kingdom), Nicolas Roche (Paris, France), Frederik Trinkmann (Mannheim, Germany), Angelica Tiotiu (Nancy, France)	
PA1004	Evaluation of inhalation technique in patients using Dry Powder Inhaler (DPI), and the effect of patient education on their techniques- an experience from Nepal Sudeep Shrestha (Dhulikhel, Nepal), Sandhya Shrestha, Maun Ranjan Baral, Sambhawana Bhandari, Swati Chand, Prashiddha Dhakal, Rajendra Tamrakar, Ram Kumar Mehta, Nirish Vaidhya, Satyaa Shrestha, Bijay Krishna Prajapati, Rajesh Pandey, Ashish Shrestha, Hari Kumar Shrestha
PA1005	Standardising inhaler technique videos in a clinician and patient app Azhar Saleem (London, United Kingdom), Darush Attar-Zadeh, Jas Khambh, Tim Root, Ben Rehman, Vince Mak, Omar Usmani
PA1006	Asthma control and COPD symptom burden: results from a multi-country observational study (SPRINT) in patients using fixed dose combination (FDC) inhalers Nicolas Roche (Paris, France), Vicente Plaza, Vibeke Backer, Job Van Der Palen, Isa Cerveri, Chelo Gonzalez, Guilherme Safioti, Irma Scheepstra, Oliver Patino, Dave Singh
PA1007	What influences the response to training of inhalation technique in patients with asthma and COPD? Izabela Domagała (Zielona Góra, Poland), Marta Dąbrowska, Marta Miszczuk, Katarzyna Łuczak, Marta Maskey-Warzechowska, Rafał Krenke
PA1008	A novel approach of using pharmaceutical pictogram for improving asthma inhaler techniques Basima Almomani (Irbid, Jordan), Enas Mokhemer
PA1009	Inhaler preferences and satisfaction of asthma and COPD patients Janwillem W. H. Kocks (Groningen, Netherlands), Lise van Dijk, Jos Luers, Halima El Messlaki, Xana Van Jaarsveld, Esther Metting
PA1010	Differences in inhaler misuse between patients with asthma and COPD. Marta Miszczuk (Warszawa, Poland), Marta Dąbrowska, Izabela Domagała, Katarzyna Łuczak, Marta Maskey-Warzechowska, Rafał Krenke
PA1011	Switch to Budesonide/Formoterol Easyhaler Inhalation from other inhalers in asthma patients; A real-life study Gabiella Gálffy (Budapest, Hungary), Mária Szilasi
PA1012	Importance of inhaler device use status in the control of asthma and COPD: a real life study. Alice Bragantini (Genova (GE), Italy), Teresita Aloè, Tommaso Bondavalli, Diego Bagnasco, Giovanni Passalacqua
PA1013	Pharmacokinetics (PK) and safety of budesonide/glycopyrronium/formoterol fumarate dihydrate (BGF) and glycopyrronium/formoterol fumarate dihydrate (GFF) metered dose inhaler (MDI) in healthy Chinese adults (), Yun Liu, Kevin Shen, Pryseley N. Assam, Michael Gillen, Paul Dorinsky

- PA1014** **Efficacy and safety of glycopyrronium/formoterol fumarate dihydrate metered dose inhaler (GFF MDI) delivered using co-suspension delivery technology in Japanese patients with moderate-to-very severe COPD**
Yasuhiro Gon (Tokyo, Japan), Koichi Nishi, Kazuhiro Sato, Andrea Maes, Shahid Siddiqui, Nobuya Hayashi, Hajime Hirata, Colin Reisner, Ubaldo J. Martin
- PA1015** **Lung deposition of extrafine inhaled corticosteroid (ICS)-containing fixed combinations drug in COPD patients using Functional Respiratory Imaging (FRI).**
George Georges (Cary, United States of America), Omar Usmani, Wim Vos, Benjamin Mignot, Mario Scuri, Ilaria Valente, Roberta De Maria, Nicola Scichilone
- PA1016** **Hyaluronic acid improves tolerability to 7% hypertonic saline solution in bronchiectasis patients**
Luis Maiz Carro (Madrid, Spain), Rosa M. Giron, Eva Prats, Marta G. Clemente, Eva Polverino, Silvia Caño, Rosa Cordovilla, Jordi Dorca, Carlos Peñalver, Félix Baranda, Miguel A. Martinez-Garcia
- PA1017** **Efficacy of the device in targeting tiotropium to the small airways in COPD**
Martyn Biddiscombe (London, United Kingdom), Azhar Saleem, Sally Meah, Vincent Mak, Omar Usmani, Amanda Pellowe (Amanda.pellowe@yale.edu / Yale University, New Haven), Jia Li (jia.li.jl2875@yale.edu / Shanghai Jiao Tong University, Shanghai), Xueyan Peng (xueyan.peng@yale.edu / Yale University, New Haven), Anjelica Gonzalez (Anjelica.gonzalez@yale.edu / Yale University, New Haven), Erica Herzog (erica.herzog@yale.edu / Yale University, New Haven)
- PA1018** **Consistency of aerosol characteristics at low flow rates for a novel mesh nebulizer**
John Pritchard (Newtown Linford, United Kingdom), Lois Slator, Dirk Von Hollen
- PA1019** **Reusable soft mist inhaler: maintaining aerosol performance**
Herbert Wachtel (Ingelheim, Germany), Michaela Hänsel, Joachim Eicher
- PA1020** **DuoResp Spiromax adherence, satisfaction and ease of use: findings from a multi-country observational study in patients with asthma and COPD (SPRINT)**
Job van der Palen (Enschede, Netherlands), Isa Cerveri, Nicolas Roche, Dave Singh, Vicente Plaza, Chelo Gonzalez, Oliver Patino, Irma Scheepstra, Guilherme Safioti, Vibeke Backer
- PA1021** **Reduced environmental impact of a reusable soft mist inhaler**
Michaela Hänsel (Nieder-Olm, Germany), Thomas Bambach, Herbert Wachtel
- PA1022** **Comparing Lung Geometrical Areas of interest in Gamma Scintigraphy as Assessment Tool for Inhaled Drug Deposition**
Abdullah Ghazwani (Dhahran, Saudi Arabia), Martyn Biddiscombe, Omar Usmani
- PA1023** **Revealing the regional localization and lung retention of inhaled drugs**
Erica Bäckström (Mölndal, Sweden), Gregory Hamm, Mikael Brülls, Richard Goodwin, Markus Fridén

TP-20

Session 112

12:50 - 14:40

Thematic poster: New developments in the treatment of asthma**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Respiratory intensive care General respiratory patient care Cell and molecular biology**Chairs :** Jeanne-Marie Perotin-Collard (Reims, France), Tai Tran Quoc (Ho Chi Minh, Vietnam), Hannu Kankaanranta (Seinäjoki, Finland), Anke-Hilse Maitland-van der Zee (Amsterdam, Netherlands)

- PA1024** **Evaluation of ICS/LABA combination therapy on respiratory function in patients with asthma: Open-label, randomized, cross-over trial.**
Hiroyuki Ohbayashi (Kitanagoya City (Aichi), Japan), Sahori Kudo, Mitsue Ariga
- PA1025** **Pooled analysis of the efficacy and safety from two non-interventional studies of fluticasone propionate/formoterol pMDI**
Vibeke Backer (København, Denmark), Olaf Schmidt, Birgit Langer-Brauburger, Tanja Schmidt, Carla Bennett, Dirk Lindner, Susanna Quadripani, Birgit Grothe, Tim Overend
- PA1026** **Efficacy of weight-based reslizumab dosing is consistent across body weights in post-hoc analysis**
Kevin Murphy (Omaha, United States of America), Robert Noble, Lisa Hickey, Margaret Garin
- PA1027** **Efficacy and safety of extrafine glycopyrronium bromide (GB) in uncontrolled asthmatic patients**
George Georges (Cary, United States of America), Pierluigi Paggiaro, Mario Scuri, Ilaria Valente, Alessandro Guasconi, Sandrine Corre, Alberto Papi
- PA1028** **Management of severe allergic asthma in the UK: Which monoclonal antibody would you choose?**
Tanveer Khalid (Tameside (Greater Manchester), United Kingdom), Ben Clarke, Peter Vivian, Jonathan Walker, Dinesh Saralaya

- PA1029 Real-world effectiveness of omalizumab in allergic asthma patients with low or high blood eosinophils: A retrospective claims analysis study**
Nicola Hanania (Houston, United States of America), Juanzhi Fang, Zhongyuan Wei, Benjamin Ortiz, Abhishek Kavati, Xavier Jaumont, Luisa Alvares, Hui Cao
- PA1030 Steroid inhaler dose reduction in comparison with montelukast discontinuation in asthma patients controlled by steroid inhaler and montelukast**
shahideh amini (Tehran, Islamic Republic of Iran), Hamidreza Abtahi, Beshrat Rahimi
- PA1031 Intravenous (IV) reslizumab efficacy does not differ by blood eosinophil lowering to levels above or below 50 cells/ μ L**
Yochai Adir (Haifa, Israel), Mario Castro, Pascal Chanez, Mirna Mcdonald, Lisa Hickey, Margaret Garin
- PA1032 Immunogenicity assessment of intravenous administration of reslizumab in patients with asthma in phase 3 clinical studies**
Margaret Garin (Media, United States of America), Linglong Zou, Laurie Pukac, Yael Shalit, Lisa Hickey, Patrick Liu
- PA1033 Tiotropium provides greater improvements in FEV1 than leukotriene receptor antagonists as add-on to ICS in adults with asthma: a systematic review**
Alan Kaplan (Stouffville (ON), Canada), J. Mark Fitzgerald, Georges El Azzi, Michael Engel, Roland Buhl
- PA1034 No clinically relevant hypersensitivity reactions in clinical trials with tralokinumab in asthma**
Mats Carlsson (Göteborg, Sweden), Martin Braddock, Yuling Li, Jihong Wang, Weichen Xu, Gene Colice
- PA1035 Adherence to inhaled steroids treatment using smart nebulisers in severe asthmatics**
Bernhard Müllinger (Gauting, Germany), Gary Burgess, Anna Ribera, Sue Snape
- PA1036 Characteristics of patients receiving mepolizumab in real-world practice –REALITI-A study**
Namhee Kwon (Brentford (Middlesex), United Kingdom), Kim Gemzoe, Sally Worsley, Necdet Gunsoy, Sandra Joksaite, Melissa Van Dyke, Carys Bettinson, Frank Albers
- PA1037 Long-term results of anti-IgE-therapy in severe uncontrolled child asthma.**
Svetlana Diakova (Moscow, Russian Federation), Yuriy Mizernitskyi, Ludmila Sokolova, Elena Sorokina, Irina Zorina
- PA1038 Which are the factors and causes that lead to omalizumab withdrawal in severe asthma patients?**
Ester Zamarron De Lucas (Madrid, Spain), David Romero Ribate, Juan Fernández-Lahera Martínez, Carlos Villasante Fernández-Montes, Santiago Quirce Gancedo, Pilar Barranco Sanz, Javier Domínguez Ortega, Rodolfo Álvarez-Sala Walther
- PA1039 Reliever effect of extrafine BDP/F DPI in asthmatic patients after methacholine challenge**
Massimo Corradi (Parma (PR), Italy), Dave Singh, Frans Van Den Berg, Brian Leaker, Sunny Jabbal, Sara Collarini, Valentina Mongelli, Luigi Santoro, Annalisa Piccinno, Sonia Biondaro, Brian Lipworth
- PA1040 Analysis of cytogenetic alterations in asthmatic patients treated with beclometasone dipropionate**
Andrey Lintsov (st.Petersburg, Russian Federation), Boris Uslontsev, Nadezhda Pleskach, Viktor Mikhelson
- PA1041 Inhaled corticosteroids and asthma control in adult-onset asthma: 12-year follow-up study**
Iida Vähätalo (Tampere, Finland), Pinja Ilmarinen, Leena E Tuomisto, Onni Niemelä, Hannu Kankaanranta
- PA1042 Intermittent tiotropium in early childhood wheezing? Preliminary safety results of a pilot study**
Anne Kotaniemi-Syrjänen (Vantaa, Finland), Timo Klemola, Petri Koponen, Henrikka Aito, Kristiina Malmström, Pekka Malmberg, Anna Pelkonen, Mika Mäkelä
- PA1043 Consistent efficacy across endpoints with reslizumab despite short term variability in blood eosinophil levels**
Mario Castro (St. Louis, United States of America), Yochai Adir, Pascal Chanez, Mirna Mcdonald, Lisa Hickey, Margaret Garin

TP-21

Session 113

12:50 - 14:40

Thematic poster: Basic pharmacologyDisease(s) : **Airway diseases** **Respiratory infections** **Interstitial lung diseases** **Respiratory critical care** **Respiratory infections**

Method(s) : General respiratory patient care Physiology Cell and molecular biology

Chairs : Michael A. Wortley (London, United Kingdom), Reinoud Gosens (Groningen, Netherlands), Lena Uller (Lund, Sweden), Paul Kirkham (Wolverhampton (West Midlands), United Kingdom)

- PA1044 Antigen challenge results in specific activation of pathways for arachidonic acid oxygenation**
Jesper Säfholm (Solna, Sweden), David Balgoma, Alexander Fauland, Christina Gomez, Johan Kolmert, Mikael Adner, Craig Wheelock, Sven-Erik Dahlén

- PA1045** **Effect of a small natural dietary compound on lung pathology in airway inflammation**
Amlan Chakraborty (Clayton, Australia), Jennifer Boer, Simon Royce, Kirsty Wilson, Cordelia Selomulya, Magdalena Plebanski
-
- PA1046** **Metformin and pioglitazone inhibited vagus nerve mediated airway hyperreactivity in diet-induced obese rats**
Zhenying Nie (Portland, United States of America), Becky Proskocil, David Jacoby, Allison Fryer
-
- PA1047** **The Discovery and Development of AZD1402/PRS-060, an Inhaled, Potent and Selective Antagonist of the IL-4 Receptor Alpha**
Gabriele Matschiner (München, Germany), Song Huang, Samuel Constant, Barbara Rattenstetter, Hendrik Gille, Andreas M Hohlbaum, Beverly Koller, David Keeling, Mary Fitzgerald
-
- PA1048** **Steroid-resistant inflammation in a mouse model of severe asthma is not inhibited by the combination of theophylline and budesonide**
Vince Russell (Verona (VR), Italy), Mariapia Brana, Daniela Pompilio, Giulia Ambrosi, Filippo Andreetta, Elisa Venturini, Anna Chalidou, M Elena Manni
-
- PA1049** **Effect of inhaled surfactant enriched with phosphatidylethanolamine on matrix deposition in a murine model of airway inflammation and remodeling.**
Luis G. Vázquez de Lara (Puebla (Pue.), Mexico), Ismene García-Alcudia, Itzel García-Mendoza, Yamilet Díaz Gómez, Beatriz Tlatelpa-Romero, Nora Fernández-Tamayo, Mario García-Carrasco, Fernando Vazquez De Lara
-
- PA1050** **Mucus rheology and ciliary beating coordination**
Myriam Jory (Montpellier, France), Christophe Blanc, Aurélie Fort, Laura Casanellas, Isabelle Vachier, Arnaud Bourdin, Gladys Massiera
-
- PA1051** **Small airway reactivity is not altered in precision-cut lung slices from a bleomycin mouse model of airway fibrosis**
Maggie Lam (Melbourne, Australia), Vivian Mao, Chrisan Samuel, Jane Bourke, Simon Royce
-
- PA1052** **Nonclinical safety profiles of DS-1515, a novel oral PI3Kd inhibitor.**
Kiyoshi Morimoto (Tokyo, Japan), Koichi Yabe, Masakatsu Suzuki, Kazuhiko Mori
-
- PA1053** **ADME properties of a novel PI3Kd inhibitor, DS-1515, in preclinical studies**
Kiyoshi Morimoto (Tokyo, Japan), Yumi Nishiya, Minoru Uchiyama, Tomoyo Honda, Kenichi Itokawa, Osamu Ando, Masakatsu Suzuki
-
- PA1054** **Pharmacological properties of a novel PI3Kd inhibitor, DS-1515**
Kenichi Wakita (Tokyo, Japan), Kumiko Koyama, Shintaro Nakayama, Yumi Nishiya, Puneet Chopra, Mahesha Seth, Pooja Chhabra, Punit Srivastava, Ankur Kumar, Manish Diwan, Masakatsu Suzuki, Kiyoshi Morimoto
-
- PA1055** **Cytotoxicity of liposome-encapsulated polyinosinic-polycytidylic acid in primary human macrophages is only partially related to interferon-β**
Nurlan Dauletbaev (Montréal (QC), Canada), Aparna Dintakurti, Yoojin Choi, Maria Cammisano, Warren Viricel, Jeanne Leblond, Larry Lands
-
- PA1056** **Cyclic AMP compartments drive airway epithelial-to-mesenchymal transition (EMT)**
Martina Schmidt (Groningen, Netherlands), Haoxiao Zuo, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Lisa G. Gregory (l.gregory@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Juho Vuononvirta (j.vuononvirta@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Robert Oliver (r.oliver@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), James E. Pease (j.pease@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Matthew F. Krummel (matthew.krummel@ucsf.edu / Department of Pathology, University of California, San Francisco, Parnassus Ave, San Francisco, California, USA, San Francisco), Leo M. Carlin (l.carlin@imperial.ac.uk / Cancer Research UK Beatson Institute, Gartcube Estate, Bearsden, Glasgow, UK, Glasgow), Clare M. Lloyd (c.lloyd@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London)
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- PA1057** **Photobiomodulation and corticosteroid modulate pulmonary inflammation and airway reactivity in an experimental model of chronic asthma**
Auriléia Aparecida De Brito Léia (Vargem Grande Paulista, Brazil), Tawany Gonçalves Santos, Karine Zanella Herculano, Cintia Estefano Alves, Nicole Cristine Rigonato Oliveira, Stephanie Souza Soares, Maysa Alves Rodrigues, Flávio Aimbire, Rodolfo De Paula Vieira, Adriana Lino-Dos-Santos- Franco, Ana Paula Ligeiro Oliveira
-
- PA1058** **A fluid secretion assay using nasal organoids**
Gimano Amatngalim (Utrecht, Netherlands), Lisa Rodenburg, Jesse Brunsveld, Evelien Kruijselbrink, Kors Van Der Ent, Jeffrey Beekman

- PA1059** **Low concentration of phenol in medical solutions can induce bronchoconstriction and toxicity in murine, rat and human lungs.**
Christian Martin (Aachen, Germany), Galina Balakirski, Julia Krabbe, Thomas Schettgen, Annette Rieg, Thomas Schröder, Jan Spillner, Sebastian Kalverkamp, Till Braunschweig, Svetlana Kintsler, Ingo Krüger, Elisabeth Breuer
- PA1060** **Development of a new calcilytic for the treatment of inflammatory lung disease**
Polina Yarova (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Martin Schepelmann, Salvatore Ferla, Ping Huang, Vsevolod Telezhkin, Emma Kidd, William Ford, Kenneth Broadley, Jeremy Ward, Christopher Corrigan, Paul Kemp, Andrea Brancale, Daniela Riccardi
- PA1061** **Aminoguanidine diminished systemic and lung inflammation induced by lipopolysaccharide in rats.**
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Saeideh Saadat, Farimah Beheshti, Vahid Reza Askari, Mahmoud Mahmoud Hosseini
- PA1062** **The acute effect of inhaled salbutamol and ipratropium on microvascular function**
Kashyap Chauhan (London, United Kingdom), Hussein Al-Rubaye, Monia Yasmine Arzim, Valentina Abi Osman, Emma H Baker, Henry Fok, Sabelle Ruickbie, Daniel Burrage
- PA1063** **Synergistic interaction between beclomethasone dipropionate and formoterol fumarate in an ex vivo model of bronchial asthma**
Luigino Calzetta (Roma (RM), Italy), Maria Gabriella Matera, Josuel Ora, Francesco Facciolo, Mario Cazzola, Paola Rogliani

TP-22

Session 114

12:50 - 14:40

Thematic poster: Biomarkers for evaluating COPD**Disease(s) :** [Airway diseases](#) [Respiratory infections](#) [Sleep and breathing disorders](#) [Respiratory infections](#)**Method(s) :** Epidemiology Physiology Cell and molecular biology Public health General respiratory patient care**Chairs :** Jing Gao (Helsinki, Finland), Tankut G. Guney (London, United Kingdom), Candelaria Caballero Eraso (Sevilla, Spain), Imran Satia (Hamilton (ON), Canada)

- PA1064** **Blood eosinophil as a biomarker in COPD**
Joo Hun Park (Suwon, Republic of Korea), Yoonki Hong, Woo Jin Kim, Soo-Jung Um, Jin Hee Jung, Song Vogue Ahn, Yeon-Mok Oh, Jae Seung Lee, Sang-Do Lee
- PA1065** **Eosinophil count on admission is not a good biomarker in severe exacerbations of COPD to predict later readmission: a long term observational study from the AECOPD-Barcelona Cohort**
Arturo Humberto Huerta Garcia (Barcelona, Spain), Pedro J Marcos, Adrian Ceccato, Laia Pinyol, Monica Guerrero, Olivia Vilaro, Albert Gabarrus, Carolina Sanchez, Elisenda Gomez-Angelats, Nestor Soler, Antoni Torres
- PA1066** **Characteristics of COPD patients treated with inhaled corticosteroid in primary care**
Osman Savran (Hvidovre, Denmark), Nina Skavlan Godtfredsen, Torben Sørensen, Christian Jensen, Charlotte Suppli Ulrik
- PA1067** **Bronchiectasis contributes to the severity of COPD**
Aikaterini Dimakou (Agia Paraskeyi, Greece), Maria Kaponi, Kyriaki Tsikritsaki, Anna Gousiou, Serafeim Chrysikos, Georgios Hillas, Xristina Triantafyllidou, Theodoros Karampitsakos, Loukas Thanos, Michail Toubis
- PA1068** **Residual reversibility in COPD subjects treated by long acting bronchodilators**
Marjorie Picaud (Lille, France), Olivier Le Rouzic, Hélène Salvator, Hélène Neveu, Philippe Devillier, Louis-Jean Couderc, Thierry Perez
- PA1069** **Exhaled NO (FeNO) levels in patients with exacerbation of COPD and/or bronchiectasis**
Foteini Malli (Larisa, Greece), Ourania Kotsiou, Antonia Gouvani, Spyros Ladas, Konstantinos I Gourgoulialis, Zoe Daniil
- PA1070** **Assessment of health status using CAT scores in COPD patients from Italy: the MISTRAL study**
Paolo Morini (Imola (BO), Italy), Maria Luisa Agneni, Pasquale Patriciello, Antonio Triani, Piero Balbo, Rosa Metella Refini, Marta Bartzaghi, Alberto Porpiglia
- PA1072** **Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in patients with acute exacerbation of chronic obstructive pulmonary disease**
Abir Hedhli (Tunis, Tunisia), Azza Slim, Sana Cheikh Rouhou, Safa Ben Khaled, Amir Taboubi, Yassine Ouahchi, Jouda Cherif, Sonia Toujani, Meriem Mjid, Samira Merai
- PA1073** **Exhaled nitric oxide as a biomarker in different COPD phenotypes**
Ivona Markelić (Zagreb, Croatia), Miroslav Samaržija, Sanja Popović-Grle, Blanka Čuk, Ana Hećimović, Mateja Janković-Makek, Andrea Vukić Dugac

- PA1074** **Periostin levels in chronic obstructive pulmonary disease (COPD)**
Saya Nakamura (Nagoya, Japan), Keiko Wakahara, Suguru Majima, Tomoko Nisio, Yoshihiro Suzuki, Akira Shiraki, Takashi Abe, Joe Shindoh, Toyokazu Sashio, Junya Ono, Kenji Izuhara, Yoshinori Hasegawa
- PA1075** **Repeatability of multiple breath washout measurements in stable Chronic Obstructive Pulmonary Disease.**
Enya Daynes (Coventry, United Kingdom), Marcia Soares, Neil Greening, John Owers-Bradley, Sally Singh, Salman Siddiqui
- PA1076** **Could eosinophil / neutrophil ratio be used to determine treatment in COPD patients?**
Halil Ibrahim Yakar (Istanbul, Turkey), Asiye Kanbay, Erkan Ceylan
- PA1077** **Eosinophils and different clusters in COPD patients.**
Suzana Erico Tanni (Botucatu (SP), Brazil), Jose William Zucchi, Bruna Evelyn Bueno De Moraes, Thais Garcia, Luiz Henrique Soares Machado, Ana Natalia Ribeiro Batista, Estefania Aparecida Thome Franco, Irma Godoy
- PA1078** **Clinical correlates of alveolar nitric oxide in COPD**
Alexandra Thornadtsen (Gävle, Sweden), Andrei Malinovski, Kristina BröMs, Karin Lisspers, Björn Ståhlberg, Christer Janson, Marieann HöGman
- PA1079** **Glycated hemoglobin (HbA1c) and acute exacerbation in chronic obstructive pulmonary disease: a potent biomarker of severity and prognosis. Preliminary data.**
Evgenia Papathanassiou (ATHENS, Greece), Andriana Papaioannou, Georgios Hillas, Eleftheria Mizi, Petros Bakakos, Vasiliki Apollonatu, Galatea Vervykokou, Nikos Roussakis, Zoi Tsiligianni, Konstantinos Kostikas, Spyros Papiris, Stylianos Loukides
- PA1080** **Characterisation of UK and US COPD populations in reference to exacerbation frequency and blood eosinophils level**
Claus Vogelmeier (Marburg, Germany), Konstantinos Kostikas, Juanzhi Fang, Bethan Jones, Christopher Morgan, Robert Fogel, Florian Gutzwiller, Hui Cao
- PA1081** **Overnight changes in exhaled carbon monoxide levels in obstructive sleep apnoea**
Andras Bikov (Budapest, Hungary), Martina Meszaros, Adrian Kis, Adam Tarnoki, David Tarnoki, Peter Horvath, Zsafia Lazar, Laszlo Kunos
- PA1082** **The influence of different degrees of body mass index on respiratory system impedance**
Ada Clarice Gastaldi (Ribeirao Preto (SP), Brazil), Mayara Holtz De Paula, Larissa Perossi, Daniele Santos, Alessandra Lago, José Antônio Baddini-Martinez

TP-23

Session 115

12:50 - 14:40

Thematic poster: Biomarkers for evaluating asthmaDisease(s) : **Airway diseases** Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care

Chairs : Florence Schleich (Liège, Belgium), Marco Idzko (Vienna, Austria), Chair to be confirmed

- PA1083** **Blood eosinophils fluctuation in asthmatics on Omalizumab-a mirror of disease outcomes improvement?**
Lília Maia Santos (Coimbra, Portugal), Bárbara Ramos, Cláudia Chaves Loureiro
- PA1084** **Comorbidities and uncontrolled asthma in a 'real life' population study**
Miguel Santibanez (Santander (Cantabria), Spain), José Ramón Fernández-Fonfría, Juan Carlos López-Caro, Francisca Gómez-Molleda, Borja Del Rivero Sierra, Ana Viejo, Jaime Ruiz-Pérez, Esperanza Rueda, Mariano Rodríguez, Cruz Martínez-Pérez, Roberto Garrastazu, Sandra Ortiz, Jose Hernandez-Urculo, Margarita Hierro, Juan Luis García-Rivero
- PA1085** **Clinical characteristics of the Wessex AsThma CoHort of difficult asthma (WATCH)**
Heena Mistry (Southampton (Hampshire), United Kingdom), Adnan Azim, Matt A E Harvey, Yvette Thirlwall, Clair Barber, Hans Michael Haitchi, Colin Newell, Ratko Djukanovic, Peter H Howarth, Ramesh J Kurukulaaratchy
- PA1086** **Does the nature of adult difficult asthma differ by age of onset? Findings from WATCH.**
Heena Mistry (Southampton (Hampshire), United Kingdom), Anna Freeman, Yvette Thirlwall, Matt A E Harvey, Clair Barber, Hans Michael Haitchi, Colin Newell, Yueqing Cheng, Judit Varkonyi-Sepp, Ramesh J Kurukulaaratchy
- PA1087** **Comorbidities in the difficult asthma clinic: results from WATCH**
Adnan Azim (Bournemouth (Dorset), United Kingdom), Heena Mistry, Matt Ae Harvey, Yvette Thirlwall, Paddy Dennison, Anna Freeman, Colin Newell, Hans Michael Haitchi, Peter H Howarth, Ramesh Kurukulaaratchy
- PA1088** **Does early-onset difficult asthma in adulthood differ by sex? Findings from WATCH.**
Heena Mistry (Southampton (Hampshire), United Kingdom), Adnan Azim, Yvette Thirlwall, Frances Mitchell, Clair Barber, Hans Michael Haitchi, Colin Newell, Paddy Dennison, Yueqing Cheng, Ramesh J Kurukulaaratchy

- PA1089 Does atopy matter in difficult asthma? Results from WATCH**
Adnan Azim (Bournemouth (Dorset), United Kingdom), Heena Mistry, Matt Ae Harvey, Yvette Thirlwall, Judit Varkonyi-Sepp, Hans Michael Haitchi, Colin Newell, Peter H Howarth, Ramesh J Kurukulaaratchy
- PA1090 Inflammatory biomarkers in the evaluation of two-year outcomes of omalizumab treatment in severe allergic asthma.**
Joanna Hermanowicz-Salamon (Warszawa, Poland), Patrycja Nejman-Gryz, Renata Rubinsztajn
- PA1091 Does Exhaled Nitric Oxide Correlate with Established Measures of Asthma Severity?**
Nemr Eid (Louisville, United States of America), Michael Bricken, Scott Bickel
- PA1092 Real life study showing the epidemiological profile and adherence to treatment of patients with severe allergic asthma in use of omalizumab in the past year.**
Alcindo Cerci Neto (Londrina (PR), Brazil), Olavo Franco Ferreira Filho, Fatima Mitsie Chibana, Marcos Ribeiro, Renato Kauffmann, Lissa Sugehara, Pamela Passarelli, Fabiane Bijetti
- PA1093 Effectiveness of pulmonary rehabilitation programs on persistent asthma.**
Dina Visca (Mantova (MN), Italy), Elisabetta Zampogna, Enrico Heffler, Francesca Puggioni, Patrizia Pignatti, Francesca Racca, Giovanni Sotgiu, Stefano Negri, Giorgio Walter Canonica, Antonio Spanevello
- PA1094 Role of blood neutrophilia as a biomarker in asthma**
Fabio L. M. Ricciardolo (Orbassano (TO), Italy), Anna Folino, Vitina Carriero, Michela Bullone
- PA1095 Total IgE and Der p 1 (D1) specific IgE in induced sputum (IS) in patients with allergic and non-allergic asthma**
Elena Curto Sánchez (Barcelona, Spain), Astrid Crespo Lessmann, Eder Mateus Medina, Lorena Soto Retes, Alba García Moral, Montserrat Torrejón Lázaro, Alicia Belda Soler, Jordi Giner Donaire, David Ramos Barbón, Vicente Plaza Moral
- PA1096 Serum eosinophil cationic protein as a potential biomarker for interleukin-5 antibody treatment in patients with severe uncontrolled eosinophilic asthma**
Maike Wilk (Mainz, Germany), Buhl Roland, Korn Stephanie
- PA1097 Prognostic value of using FeNO to guide step-down treatment decisions in asthma**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Kay Wang, Jan Verbakel, Alex Fleming-Nouri, Josh Brewin, Jason Oke, Mike Thomas
- PA1098 The Relationship between Fractional exhaled nitric oxide (FeNO) and Asthma Control and Asthma Severity in Asthmatic Adults in Vietnam**
Vinh Nguyen Nhu (Ho Chi Minh City, Vietnam), Ngoc Tran Van, Ba Nguyen Thi Thu, Mike Thomas, Christos Lionis, Niels Chavannes
- PA1099 Fractional exhaled nitric oxide is associated with more severe asthma**
Stephanie Korn (Mainz, Germany), Lucia Lanz, Stefanie Voigt, Maike Wilk, Roland Buhl
- PA1100 Measurement of exhaled nitric oxide: comparison of 3 different analyzers**
Stephanie Korn (Mainz, Germany), Maike Wilk, Stefanie Voigt, Thomas Keller, Roland Buhl
- PA1101 Comparison of fractional exhaled nitric oxide (FeNO) levels measured by different analysers**
Junpei Saito (Fukushima, Japan), Masami Kikuchi, Atsuro Fukuhara, Suguru Sato, Mami Rikimaru, Yasuhito Suzuki, Manabu Uematsu, Ryuichi Togawa, Yuki Sato, Takefumi Nikaido, Yoshinori Tanino, Mitsuru Munakata, Yoko Shibata
- PA1102 Effect of obesity and overweight on the intestine microbiota in patients with asthma.**
Svetlana Marova (St. Petersburg, Russian Federation), Natalia Shaporova, Olga Dudina

TP-24

Session 116

12:50 - 14:40

Thematic poster: Translational models of the immunopathology that underlies airway obstructive diseases

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Physiology Cell and molecular biology Public health

Chairs : Cecilia K. Andersson (London, United Kingdom), Hans Jürgen Heinrich Hoffmann (Århus, Denmark), Konstantinos Samitas (Athens, Greece), Anna Konishcheva (Moscow, Russian Federation)

- PA1103 Soluble ADAM33 augments the pulmonary innate immune response promoting susceptibility to allergic airway inflammation**
(), Elizabeth Davies, Xan Xu, Jeffery Whitsett, Donna Davies, Hans Michael Haitchi

- PA1104** **Activity of an innate defence regulator peptide to alleviate airway inflammation is mitigated by disruption of its central hydrophobic region**
Hadeesha Piyadasa (Winnipeg (MB), Canada), Mahadevappa Hemshekhar, Anthony Altieri, Sujata Basu, Anne M Van Der Does, Andrew J Halayko, Pieter S Hiemstra, Neeloffer Mookherjee
- PA1105** **Nlr5 is involved in allergic airway inflammation and negatively regulates inflammatory signaling pathway via TLR2/NF- κ B.**
Rongyu Liu (Hefei (Anhui), China), Muzi Wang
- PA1106** **Implication of NOD-1 receptor in an experimental house dust mite-induced asthma model**
SALIHA AIT YAHIA (LILLE, France), Camille Audoussot, Daniel Alvarez Simon, Han Vorng, Philippe Marquillies, Myriam Delacre, Mathias Chamailard, Anne Tsiopoulos
- PA1107** **Lactobacillus bulgaricus reduces the expression of Toll-like 4 receptor on dendritic cells and attenuates the airway inflammation in asthmatic mice**
Flavio Aimbire (Sao Jose Dos Campos (SP), Brazil), Elen Anatriello, Aurileia Britto, Regiane Albertini, Ana Paula De Oliveira, Alexandre Keller
- PA1108** **Interleukin-6 is important for the development of Acinetobacter lwoffii-mediated protection against asthma**
Daniel Piotr Potaczek (Marburg, Germany), Hani Harb, Bilal Alashkar Alhamwe, Esma Kilic-Niebergall, Dörthe Kesper, Holger Garn, Harald Renz
- PA1109** **EFFECT OF TGF- β AND IL-10 ON TH1/TH2 IMBALANCE IN OVA-INDUCED ASTHMA MOUSE MODEL**
Jing Liu (München, Germany), Bingdi Yan, Jinyan Yu, Yanlei Li, Yanjun Xue
- PA1110** **Role of IL-33 signaling in pollutant-induced allergic airway inflammation**
Tania Maes (Ghent, Belgium), Katrien De Grove, Sharen Provoost, Harald Braun, Andrea Teufelberger, Olga Krysko, Rudi Beyaert, Guy Brusselle, Guy Joos
- PA1111** **Resolvin E3 attenuates House Dust Mite (HDM) -induced asthmatic inflammation in a murine model**
Makiko Sato (Gunma, Japan), Haruka Aoki-Saito, Hayato Fukuda, Hiroyuki Ikeda, Yasuhiko Koga, Masakiyo Yatomi, Hiroaki Tsurumaki, Yoshimasa Hachisu, Takashi Nakakura, Tetsuya Mori, Kunio Dobashi, Masanobu Yamada, Satoshi Shuto, Takeshi Hisada
- PA1112** **House dust mite impairs viral stimulus-induced IL-8 and TNF- α production in bronchial epithelial cells from asthmatics**
Samuel Cerps (LUND, Sweden), Sangeetha Ramu, Cecilia Andersson, Hamid Akbarshahi, Asger Sverrild, Celeste Porsbjerg, Lena Uller
- PA1113** **The effect of auraptene on Th1/Th2/TReg balances, NF κ B and nitric oxide production in normal and Th2 provoked situations in human isolated lymphocytes**
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Vahid Reza Askari, Vafa Baradaran Rahimi, Seyed Abdolrahim Rezaee
- PA1114** **IL-4-induces collective cell migration in the well-differentiated human nasal epithelia cell layers via α v β 5 and α v β 6 integrins**
Sang-Nam Lee (Seoul, Republic of Korea)
- PA1115** **Validation of a macrophage specific cell line for the development of an in vitro lower airways co-culture model**
Abigail Martin (Hatfield (Hertfordshire), United Kingdom), Victoria Hutter, David Chau, Darragh Murnane
- PA1116** **Inhibition of matrix metalloproteinase-2/9 activity by verapamil in mouse peritoneal macrophages**
Fatemeh Hajighasemi (TEHRAN, Islamic Republic of Iran), Neda Kakadezfuli
- PA1117** **Extracellular Hsp70 alters cigarette smoke-induced pro-inflammatory responses in human macrophages**
Lada Rumora (Zagreb, Croatia), Andrea Hulina, Lucija Franin, Martina Bosnar, Irene Heijink
- PA1118** **Proteomic profiling to define synergistic responses mediated by IL-17 and TNF α in the lungs**
Anthony Altieri (Winnipeg (MB), Canada), Hadeesha Piyadasa, Victor Spicer, Andrew J. Halayko, Neeloffer Mookherjee
- PA1119** **IL-17A producing lymphocytes in end stage lung disease**
Anna-Maria Dittrich (Hannover, Germany), Melanie Albrecht, Deji Ishola Olawaseun, Sophia Pallenberg, Peter Braubach, Danny Jonigk, Gregor Warnecke, Gesine Hansen
- PA1120** **Mechanism of NK1-mediated bronchoconstriction in passively sensitized human lung tissue.**
Susann Dehmel (Hannover, Germany), Sharon Delgado, Helena Obernolte, Stella Marie Reamon-Buettner, Danny Jonigk, Olaf Pfennig, Peter Braubach, Gregor Warnecke, Hans-Gerd Fieguth, Katherina Sewald, Armin Braun

PA1121 SUPPRESSIVE EFFECT OF MESENCHYMAL STEM CELLS ON AIRWAY REMODELING IN VITRO
Ruben Osuna Gomez (Igualada, Spain), Eder Fredy Mateus, Cristina Ujaldón Miró, Vicente Plaza Moral, David Ramos Barbón

PA1122 Inflammatory and cytotoxicity effects of Poly Aromatic Hydrocarbons (PAHs) in PM10 on human prepheral blood mononuclear cells and other biological Effects on lung epithelial cells (A549) during dust storm in Ahvaz, Iran
Ata A. Ghadiri (Ahvaz, Islamic Republic of Iran), Esmacil Idani, Abolfazl Naimabadi, Sara Zamani, Mohammad Ghasemi, Ali Khodadadi, Gholamreza Goudarzi

TP-25

Session 117

12:50 - 14:40

Thematic poster: Role of IgE and interleukin (IL)-5 in Th2-cell signatures

Disease(s) : Airway diseases Pulmonary vascular diseases Respiratory infections Respiratory infections

Method(s) : Epidemiology Respiratory intensive care Imaging General respiratory patient care Cell and molecular biology

Chairs : Zuzana Diamant (Lund, Sweden), Trudeke G.M. Möller (Apeldoorn, Netherlands), Celeste M. Porsbjerg (København, Denmark), Ibon Eguluz Gracia (Malaga, Spain)

PA1123 Late Breaking Abstract - Revisiting interpretation of blood eosinophil counts (BECs): data from Brazil
Namhee Kwon (Brentford (Middlesex), United Kingdom), Emilio Pizzichini, Aruna Bansal, Frank Albers, Neil Barnes, John Riley, Aline Lima-Matos, Eduardo Ponte, Alvaro Cruz

PA1124 Dupilumab improves asthma-related patient reported outcomes in asthma patients with chronic rhinosinusitis or nasal polyposis (CRS/NP) in LIBERTY ASTHMA QUEST
Mario Castro (St. Louis, United States of America), Jonathan Corren, Jorge F. Maspero, Antonio L. Valero Santiago, Piotr Kuna, Sophie Guillonneau, Qunming Dong, Christine Taniou, Heribert Staudinger, Jingdong Chao, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper, Asif Khan

PA1125 Dupilumab improves SNOT-22 scores in asthma patients with chronic rhinosinusitis or nasal polypsis (CRS/NP) in LIBERTY ASTHMA QUEST
William Busse (Madison, United States of America), Jorge F. Maspero, Contance H. Katelaris, Dinesh Saralaya, Sophie Guillonneau, Bingzhi Zhang, Christine Taniou, Heribert Staudinger, Jingdong Chao, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper, Asif Khan

PA1126 Assessment of Efficacy Omalizumab Retreatment in Patients With Severe Asthma
Yavuz Havlucu (Manisa, Turkey), Arzu Yorgancioglu

PA1127 IMPACT OF OMALIZUMAB ON ALLERGIC ASTHMA - THE LAST 10 YEAR
Maria Raquel Araújo Pereira (Braga, Portugal), Inês Ladeira, Ricardo Lima, Inês Franco, Ivone Pascoal, Aurora Carvalho

PA1128 The effect of omalizumab on blood eosinophils count in patients with hypersensitivity to non-steroidal anti-inflammatory drugs (NSAID) compare to patients who tolerate NSAID—pilot study
Izabela Kupryś-Lipińska (Łódź, Poland), Lucyna Mastalerz, Pawel Majak, Katarzyna Tyrak, Joanna Molinska, Mateusz Jonakowski, Zofia Kurmanowska, Marta Latek, Damian Krzyzanowski, Aleksandra Zal, Piotr Kuna

PA1129 Is omalizumab response influenced by passive smoking in severe asthma?
Jose Miguel Chatkin (Porto Alegre (RS), Brazil), Daniela Cavalet Blanco, Lais Martins Becher, Luciana Zani Da Silva, Cynthia Rocha Dullius, Fabiane Kahan, Sabrina Rocha Machado

PA1130 Patients eligible for anti-IL-5/anti-IL-5Ra treatment in a cohort of adult-onset asthma
Pinja Ilmarinen (Seinäjäki, Finland), Leena E Tuomisto, Onni Niemelä, Hannu Kankaanranta

PA1131 Effectiveness of anti-IgE and anti-IL-5 treatment in step 5 asthma patients.
Junko Saji (Kanagawa, Japan), Hiromi Muraoka, Eriko Nishimoto, Shin Matsuzawa, Mariko Okamoto, Teppei Inoue, Hiroshi Handa, Hiroki Nishine, Takeo Inoue, Teruomi Miyazawa, Masamichi Mineshita

PA1132 Increase in systemic IL-5 is associated with mepolizumab treatment failure in patients with severe asthma
Sabina Skrgat (Golnik, Slovenia), Petra Girandon Sušanj, Urška Bidovec Stojkovič, Peter Korošec

PA1133 Change of lung function in severe eosinophilic asthma undergoing treatment with anti-interleukin-5 monoclonal antibody
Leonardo Antonicelli (Ancona (AN), Italy), Alessandro Gobbi, Maria Beatrice Bilò, Maria Stella Garritani, Maria Feliciano Brianzoni, Raffaele Dellacà

PA1134 Asthma rehabilitation at high vs. low altitude and its impact on exhaled nitric oxide and sensitization patterns: randomized parallel-group trial
Silvia Ulrich (Zurich, Switzerland), Stéphanie Saxer, Simon Schneider, Mona Lichtblau, Patrick Bader, Paula Appenzeller, Bernmet Estevesova, Berik Emilov, Talant Sooronbaev, Sara Micaletto, Peter Schmid-Grendelmeier, Konrad Bloch

- PA1135 Increased Severity of Asthma in Atopic Patients with Eosinophilic Granulomatosis with Polyangiitis**
Alvise Berti (Milan, Italy), Gerald Volcheck, Divi Corneec, Robert Smyth, Ulrich Specks, Karina Keogh
- PA1136 Application of the ISHAM criteria for diagnosis of ABPA in a clinical cohort at a university teaching hospital**
Radhika Banka (Mumbai (Maharashtra), India), Ajay Kamath
- PA1137 Effectiveness of itraconazole and systemic steroids in the treatment of ABPA**
Kshitij Agarwal (New Delhi (Delhi), India), Gaurav Bhati, Gulvir Singh, S. N. Gaur, Anuradha Chowdhary
- PA1138 The significance of plasma exchange in the treatment of double-positive for ANCA and anti-GBM disease**
Kazuko Uto (Miyazaki, Japan), Shigehisa Yanagi, Nobuhiro Matsumoto, Masamitsu Nakazato
- PA1139 Comparison of sIgG4 levels among allergic patients and patients during ASIT**
Guzel Feyzkhanova (Moscow, Russian Federation), Olga Smoldovskaya, Sergei Voloshin, Ludmila Pavlushkina, Eugenia Antonova, Tatiana Filatova, Alexander Zasedatelev, Alla Rubina
- PA1140 Immunoglobulin G4-related pneumonitis and myositis: an atypical presentation of an atypical case.**
Neel Thakkar (Vadodara (Gujarat), India), Amita Nene
- PA1141 Alpha-1 antitrypsin deficiency and pulmonary morbidity in patients with primary immunodeficiency disease: A single center experience**
Georg Evers (Münster, Germany), Arik Bernard Schulze, Michael Thrull, Georg Lenz, Lars Henning Schmidt, Michael Mohr
- PA1142 Immuno-allertypes in non-cystic fibrosis bronchiectasis**
Pei Yee Tiew (Singapore, Singapore), Micheal Mac Aogain, Albert Yick Hou Lim, Teck Boon Low, Gan Liang Tan, Tidi Hassan, Thun How Ong, Sze Lei Pang, Zi Yang Lee, Xiao Wei Gwee, Christopher Martinus, Yang Yie Sio, Anusha Matta, Tan Ching Ong, Louis Yuen Sung Tiong, Kang Ning Wong, Sriram Narayanan, Veonice Bijin Au, Damien Marlier, Holly R Keir, John Arputhan Abisheganaden, Mariko Siyue Koh, De Yun Wang, John E Connolly, Fook Tim Chew, James D Chalmers, Sanjay H Chotirmall

TP-26

Session 118

12:50 - 14:40

Thematic poster: Epidemiology of asthma and allergy: prevalence, incidence and risk factors**Disease(s) :** [Airway diseases](#)**Method(s) :** Respiratory intensive care General respiratory patient care Epidemiology Public health**Chairs :** Valerie Siroux (La Tronche, France), Benedicte Leynaert (Paris, France), Cecilie Svanes (Bergen, Norway), Helena Backman (Luleå, Sweden)

- PA1143 Late Breaking Abstract - NORdic Database for aSThma Research (NORDSTAR): Swedish and Finnish patients**
Kirk Geale (Stockholm, Sweden), Hatef Darabi, Oskar Eklund, Maria Lindh, Hanna Fues Wahl, Oskar Ström, Hui Cao, Luísa Alvares, Rikke Dodge, Emil Loeffroth, Alan Altraja, Vibecke Backer, Helena Backman, Leif Bjermer, Apostolos Bossios, Barbro Dahlén, Christer Janson, Hannu Kankaanranta, Paula Kauppi, Maritta Kilpelainen, Lauri Lehtimäki, Thomas Sandström, Charlotte Suppli Ulrik, Arja Viinanen, Celeste Porsbjerg
- PA1144 Use of aerobiological information systems in pollen allergy management**
Sandra Baldacci (Pisa (PI), Italy), Sara Maio, Marzia Simoni, Anna Angino, Patrizia Silvi, Stefania La Grutta, Giovanni Viegi, Franco Ruggiero, Gianni Bedini, Francesca Natali, Lorenzo Cecchi, Marija Prentovic, Uwe Berger, Amir Moustafa, Isabella Annesi-Maesano, Samuel Monnier, Michel Thibaudon, Simone Orlandini
- PA1145 IgE-sensitization profiles and lung function: a longitudinal study from childhood to early adulthood in the EGEA study**
Valerie Siroux (La Tronche, France), Anne Boudier, Christian Lupineck, Jocelyne Just, Rachel Nadif, Rudolf Valenta, Jean Bousquet, Isabelle Pin
- PA1146 Age-specific incidence of new asthma diagnosis from childhood to late adulthood**
Jasmin Honkamäki (Tampere, Finland), Hanna Hisinger-Molkanen, Pinja Ilmarinen, Paivi Piirila, Leena E Tuomisto, Heidi Andersen, Heini Huhtala, Anssi Sovijarvi, Helena Backman, Bo Lundback, Eva Ronmark, Lauri Lehtimäki, Hannu Kankaanranta
- PA1147 Incidence and risk factors for asthma from childhood to young adulthood**
Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Martin Andersson, Eva Rönmark
- PA1148 Prevalence of asthma among pregnant women in Ilorin, Nigeria**
Olutobi Ojuawo (Ilorin (Kwara State), Nigeria), Olufemi Desalu, Kikelomo Adesina, Idowun Ogunlaja, Wemimo Alaofin, Adeniyi Aladesanmi, Christopher Opeyemi, Taofeek Oloyede, Micheal Oguntoye, Alakija Salami

- PA1149 Association between cured meat intake and asthma symptoms**
Roland Michel Andrianasolo (Bobigny, France), Emmanuelle Kesse-Guyot, Adjibade Moufidath, Serge Hercberg, Pilar Galan, Raphaëlle Varraso
- PA1150 Does Body Mass Index and asthma affect work ability? Cross-sectional data from the general population in Telemark, Norway.**
Geir Klepaker (Skien, Norway), Martin Veel Svendsen, Jens Kristoffer Hertel, Johny Kongerud, Anne Kristin Moller Fell
- PA1151 Burden of pollen allergy in 3 European countries: AIS LIFE project**
Sandra Baldacci (Pisa (PI), Italy), Sara Maio, Marzia Simoni, Anna Angino, Patrizia Silvi, Stefania La Grutta, Giovanni Viegi, Franco Ruggiero, Gianni Bedini, Francesca Natali, Lorenzo Cecchi, Marija Prentovic, Uwe Berger, Amir Moustafa, Isabella Annesi-Maesano, Samuel Monnier, Michel Thibaudon, Simone Orlandini
- PA1152 Airway inflammation and lung function in atopic and non-atopic rhinitis**
Mario Olivieri (Verona (VR), Italy), Pierpaolo Marchetti, Salvatore Battaglia, Francesca Locatelli, Roberta Vesentini, Marcello Ferrari, Giuseppe Verlato
- PA1153 Allergic multi-morbidity is associated with an increased risk of asthma in adults: a population-based case control study**
Sanna Toppila-Salmi (Helsinki, Finland), Sebastien Chanoine, Jussi Karjalainen, Juha Pekkanen, Jean Bousquet, Valérie Siroux
- PA1154 Age at asthma diagnosis in subjects with and without allergic rhinitis.**
Johanna Pakkasela (Tampere, Finland), Pinja Ilmarinen, Jasmin Honkamaki, Leena E Tuomisto, Heidi Andersen, Paivi Piirila, Hanna Hisinger-Molkanen, Anssi Sovijarvi, Helena Backman, Bo Lundback, Eva Ronmark, Hannu Kankaanranta, Lauri Lehtimäki
- PA1155 An observational study to characterize severe eosinophilic asthma in New Zealand**
Yu-Fan Ho (Singapore, Singapore), Sumitra Shantakumar, Janine Beale, Barry Gribben
- PA1156 Unbiased clinical cluster analysis across a combined European and a Brazilian severe asthma (SA) population.**
John Riley (Uxbridge (Middlesex), United Kingdom), Aruna Bansal, Eduardo Ponte, Adelmir Souza-Machado, Paula Almeida, Valmar Biao-Lima, Stewart Bates, Kian F-Chung, Peter Sterk, Alvaro A.Cruz
- PA1157 Societal costs of severe asthma in Sweden**
Sven-Arne Jansson (Umeå, Sweden), Helena Backman, Maria Andersson, Gunilla Telg, Anne Lindberg, Britt-Marie Eklund, Bo Lundbäck, Eva Rönmark
- PA1158 Age-of-asthma onset and epidemiological characteristics of late-onset asthma in a general population**
Ha-Kyeong Won (Seoul, Republic of Korea), Jung-Hyun Kim, Sung-Yoon Kang, Min-Gyu Kang, So-Hee Lee, Sun-Sin Kim, Yoon-Seok Chang, You Sook Cho, Sang-Heon Cho, Woo-Jung Song
- PA1159 Male sex, younger age and smoking contribute to low participating rate in an epidemiological study of asthma and respiratory symptoms**
Petri Räisänen (Luleå, Sweden), Helena Backman, Sven-Arne Jansson, Linnea Hedman, Caroline Stridsman, Bo Lundbäck, Anne Lindberg, Eva Rönmark
- PA1160 Prevalence of asthma and allergy-related diseases among adolescents of West Bengal, India: Results of the PERFORMANCE study**
Saibal Moitra (Kolkata (West Bengal), India), Prasun Haldar, Santi Gopal Maity, Soumya Bhattacharjee, Smriti Debnath, Sujoy Saha, Ritabrata Mitra, Isabella Annesi-Maesano, Judith Garcia-Aymerich, Subhabrata Moitra
- PA1161 The prevalence of bronchial asthma symptoms among adult population of Moscow (a population-based study).**
(), Tatiana Bilichenko
- PA1162 Asthma and allergic rhinitis increase respiratory symptoms and disability in cold weather**
Henna Hyrkäs-Palmu (University of Oulu, Finland), Tiina Ikäheimo, Tiina Laatikainen, Pekka Jousilahti, Maritta Jaakkola, Jouni Jaakkola

TP-27

Session 119

12:50 - 14:40

Thematic poster: Epidemiology of COPD : from exacerbations and comorbidities to asthma-COPD overlap syndrome (ACOS)

Disease(s) : [Airway diseases](#)

Method(s) : Physiology Public health Epidemiology

Chairs : David Mannino (Lexington, United States of America), Ane Johannessen (Bergen, Norway), Elizabeth Oelsner (New York, United States of America), Elaine Fuertes (Barcelona, Spain)

- PA1163 Late Breaking Abstract - Inhaled corticosteroids (ICS), blood eosinophils (EOS), and FEV1 decline in patients with Chronic Obstructive Pulmonary Disease in a large UK primary healthcare setting**
Hannah Whittaker (London, United Kingdom), Hana Mullerova, Deborah Jarvis, Neil Barnes, Paul Jones, Chris Compton, Steven Kiddle, Jennifer Quint
- PA1166 Eligibility for lung volume reduction surgery in COPD patients identified in a UK primary care setting**
Hannah Whittaker (London, United Kingdom), Olivia Connell, Amany Elbehairy, Jennifer Campbell, Nick Hopkinson, Jennifer Quint
- PA1164 The same COPD patients, different GOLD criteria – what are the consequences of changing GOLD 2007-2011-2017 recommendations?**
Grzegorz Brozek (Katowice, Poland), Narcin Nowak, Jankowski Mateusz, Jan Zejda
- PA1165 Underweight and weight loss are associated with greater mortality from chronic obstructive pulmonary disease (COPD) in middle-aged Japanese: The JACC study**
Hiroo Wada (Tokyo, Japan), Ai Ikeda, Koutatu Maruyama, Kazumasa Yamagishi, Takeshi Tanigawa, Akiko Tamakoshi, Hiroyasu Iso
- PA1167 How are recovery and recurrence of COPD exacerbations defined in observational studies? A systematic review**
Wilhelmine Meeraus (Uxbridge (Middlesex), United Kingdom), Victoria S Benson, Maggie Tabberer, William A Fahy, Hana Mullerova
- PA1168 Clinically relevant differences in COPD health status: systematic review and triangulation**
Harma Alma (Groningen, Netherlands), Corina De Jong, Ioanna Tsiligianni, Robbert Sanderma, Janwillem Kocks, Thys Van Der Molen
- PA1169 Lower airway bacterial colonization patterns and species-specific interactions in COPD**
Sanjay Sethi (Buffalo, United States of America), David Jacobs, Heather Ochs-Balcom, Jiwei Zhao, Timothy Murphy
- PA1170 Elevated serum high-sensitivity cardiac troponin I is related to mortality in COPD**
Ulf Nilsson (Umeå, Sweden), Anders Blomberg, Nicholas Mills, Eva Rönmark, Anne Lindberg
- PA1171 Systematic review of COPD re-exacerbation and exacerbation treatment failure definitions used in randomised controlled trials (RCTs)**
Wilhelmine Meeraus (Uxbridge (Middlesex), United Kingdom), Hana Mullerova, Maggie Tabberer, William A Fahy, Victoria S Benson
- PA1172 Blood eosinophils and obstructive lung disease in the general population**
Sara Wijnant (Gent, Belgium), Lies Lahousse, Marc De Buyzere, Guy Brusselle, Ernst Rietzschel
- PA1173 Factors associated with airflow limitation in a population-based cohort of adults from the greater Copenhagen area**
Camilla Bårnes (Holbæk, Denmark), Betina Thuesen, Allan Linneberg, Charlotte Suppli Ulrik
- PA1174 Sarcopenia in elderly population with chronic respiratory diseases: A population-based study**
G. Elizabeth Benz I (Rotterdam, Netherlands), Katerina Trajanoska, Josje Schoufour, Lies Lahousse, Emmely De Roos, Natalie Terzikhan, Bruno Striker, Oscar Franco, Fernando Rivadeneira, Guy Brusselle
- PA1175 Incidence of asthma progression towards asthma-COPD overlap in old women**
Sebastien Chanoine (La Tronche, France), Clarisse Marchal, Sofia Temam, Orianne Dumas, Nicole Le Moual, Christophe Pison, Agnès Fournier, Gianluca Severi, Marie-Christine Boutron-Ruault, Raphaëlle Varraso, Valérie Siroux
- PA1176 Description of the UK's asthma and COPD inhaler use**
Chloe Bloom (London, United Kingdom), Ian Douglas, Liam Smeeth, Jenni Quint
- PA1177 Asthma-COPD overlap syndrome (ACOS) among subjects with newly diagnosed adult-onset asthma**
Maritta S Jaakkola (Oulu, Finland), Ying-Chuan Wang, Taina K Lajunen, Ching-Huang Lai, Jouni J K Jaakkola
- PA1178 Uric acid, lung function, physical capacity and exacerbation frequency in patients with COPD: a multi-dimensional approach**
Peter Alter (Marburg, Germany), Kathrin Kahnert, Tobias Welte, Rudolf M. Huber, Jürgen Behr, Frank Biertz, Henrik Watz, Robert Bals, Claus F. Vogelmeier, Rudolf A. Jörres
- PA1179 Association between interpersonal and environmental factors and health-related quality of life in patients with chronic obstructive pulmonary disease (COPD)**
Subhabrata Moitra (Barcelona, Spain), Marta Benet, Ane Arbillaga-Etxarri, Alicia Marín, Anael Barberan-Garcia, Eulàlia Borrell, Diego Rodríguez, Elena Gimeno-Santos, Eva Balcells, Maria Koreny, Mónica Monteagudo, Pere Torán-Montserrat, Pere Vall-Casas, Robert Rodríguez-Roisin, Judith Garcia-Aymerich
- PA1180 C-reactive protein level and risk of developing COPD: The Kangbuk Samsung Cohort Study**
Seong Yong Lim (Seoul, Republic of Korea), Di Zhao, Eliseo Guallar, Yoosoo Chang, Seungho Ryu, Jung Yeon Shim

PA1181 **Magnitude and characteristics of COPD mortality in Kenya, 2012-2016**
Grace Kariuki (Nairobi, Kenya), Gladwell Gathecha

TP-28 **Session 120** **12:50 - 14:40**

Thematic poster: Occupational and environmental lung diseases: mechanisms, biomarkers and causation

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Physiology Cell and molecular biology Public health

Chairs : Sherwood Burge (Solihull (West Midlands), United Kingdom), Orianne Dumas (Villejuif, France), Paul Cullinan (London, United Kingdom), Vicky Moore (Birmingham (West Midlands), United Kingdom)

PA1182 **Right ventricular function and endothelium-derived mediators in occupational chronic obstructive pulmonary disease.**
Lyubov Shpagina (Novosibirsk, Russian Federation), Olga Kotova, Ilya Shpagin, Oksana Gerasimenko, Galina Kuznetsova

PA1183 **Exposure/Effect Biomarkers and Respiratory Adverse Outcomes in Metal Plating Workers**
Felicia Gradinariu (Iasi, Romania), Irina Anca Popescu, Rasvan Danulescu, Ovidiu Petris, Viorel Cazuc

PA1184 **Effect of submaximal exercise and diesel exposure on lung inflammation in mice**
Tatjana Decaesteker (Leuven, Belgium), Kristel Trekels, Dominique Bullens, Jeroen Vanoirbeek, Lieven Dupont

PA1185 **Primary nodal anthracosis identified by EBUS-TBNA as a cause of high PET-CT FDG uptake in mediastinal lymph nodes: case series**
Sehnaz Olgun Yıldızeli (Istanbul, Turkey), Emine Bozkurtlar, Derya Kocakaya, Huseyin Arıkan, Emel Eryuksel, Berrin Ceyhan, Sait Karakurt

PA1186 **Welding fumes change the lipid composition of particles in exhaled air.**
Göran Ljungkvist (Göteborg, Sweden), Jeong-Lim Kim, Emilia Viklund, Helen Friberg, Annika Claesson, Anna-Carin Olin

PA1187 **Polymetallic dust (PD)-induced pneumoconiosis, experimental study.**
Galina P. Orlova (St. Petersburg, Russian Federation), Ivetta V. Dvorakovskaya, Elena S. Lebedeva

PA1188 **Alteration in blood cellular populations in patients with chronic silicosis caused by artificial quartz agglomerates**
Antonio Leon Jimenez (Cádiz, Spain), Gema Jiménez Gómez, Antonio Hidalgo Molina, Aránzazu Pérez Alonso, José María Morales Morales, Juan Antonio Córdoba Doña, Antonio Campos Caro

PA1189 **Isolation of nontuberculous mycobacteria from in-use waters of burns and haemodialysis hospital units**
Ehsan Aryan (Mashhad, Islamic Republic of Iran), Azra Haghani-Nasimi, Mohammad Derakhshan, Davoud Mansouri, Zahra Meshkat, Masoud Yousefi

PA1190 **Alteration of lung defense mechanisms after acute and chronic exposure to urban coarse PM**
Muriel Pichavant (Lille, France), Cécile Vignal, Gwenola Kervoaze, Madjid Djouina, Christophe Waxin, Laurent Alleman, Esperanza Perdrix, Corinne Gower-Rousseau, Philippe Gosset, Mathilde Body-Malapel

PA1191 **Pneumoproteins in offshore drill floor workers**
Dag Ellingsen (Oslo, Norway), Niels Kirkhus, Bente Ulvestad, Raymond Olsen, Lars Barregaard, Yngvar Thomassen

PA1192 **Changes in surfactant composition after exposure to metal working fluids containing Fusarium spp.**
Anna-Carin Olin (Göteborg, Sweden), Björn Bake, Emilia Viklund, Jeong-Lim Kim, Ekaterina Mirgorodskaya, Jonas Brisman, Anna Dahlman-Höglund

PA1193 **Evaluation of nasal and pulmonary epithelium of mice submitted to acute exposure to herbicide 2,4 dichlorophenoxyacetic acid**
Renata C Rossi (Presidente Prudente (SP), Brazil), Fabiola De Azevedo Mello, Gisele Quinallia, Ana Carolina Marion, Fernanda Cardoso Jorge, Laura Monico Marinelli, Ana Paula Alves Favareto

PA1194 **Changes in hematologic indices and inflammatory markers in a double-blind real world traffic exposure study**
Karen Jansen (Seattle, United States of America), Tim Gould, Jim Stewart, Michael Young, Pat Janssen, Zahra Afsharinejad, Cora Sack, Tim Larson, Sverre Vedal, Joel Kaufman

PA1195 **Biodiesel: is it any safer to use?**
James A. Bolaji (London, United Kingdom), John J. Adcock, Thomas Sandström, Ian Mudway, Anders Bloomberg, Jenny Bosson, Terry D. Tetley, Mark A. Birrell, Maria G. Belvisi

PA1196 **Post-flood risks of inhalatory exposure to Aspergillus section Flavi**
Daniela Jakšić (Zagreb, Croatia), Miranda Sertić, Ana Mornar Turk, Domagoj Kifer, Nevenka Kopjar, Biljana Nigović, Maja Šegvić Klarić

- PA1197 FIZZ1: a new pathway in silica-induced inflammatory mediators and pulmonary fibrosis**
Vanessa Martins (São Paulo (SP), Brazil), Adriana Da Silva, Patrícia Rocco, Vera Capelozzi
- PA1198 Clinical, functional and biomarkers differences between subjects exposed to silica, with and without silicosis**
Elisa Lombardi (São Paulo (SP), Brazil), Gustavo Faibischew Prado, Mario Terra Filho, Ubiratan Paula Santos
- PA1199 Primary and secondary transcriptional effects of traffic-related air pollution in human lung and coronary artery cells**
Kristen Cosselman (Seattle, United States of America), Ying Lai, Teal Hallstrand, James Macdonald, Theo Bammler, Timothy Larson, Joel Kaufman
- PA1200 Home particulate concentration reduction during high efficiency particulate air (HEPA) filter use**
Denitza Blagev (Salt Lake City, United States of America), Daniel Bride, Danielle Babel, Daniel Mendoza, Benjamin Horne
- PA1201 Mitochondrion: a critical target for the toxicity of air pollution-derived PM2.5 in healthy and COPD human bronchial epithelial cells**
Guillaume GARCON (LILLE, France), Bérénice Leclercq, Jérôme Kluza, Sébastien Anthérieu, Jules Sotty, Laurent Alleman, Patrice Coddeville, Jean-Marc Lo Guidice, Philippe Marchetti

TP-29

Session 121

12:50 - 14:40

Thematic poster: Occupational and environmental lung diseases: influence on the airway and interstitium

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Thoracic oncology](#)

Method(s) : Imaging Physiology Public health Epidemiology General respiratory patient care

Chairs : Paul K. Henneberger (Morgantown, United States of America), Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Torben Sigsgaard (Århus, Denmark), Sayyora Bazarova (Tashkent, Uzbekistan)

- PA1202 A new cause of work-related asthma: pyromelittic dianhydride**
Jesper Baelum (Odense C, Denmark), David L. Sherson, Milene Madsen, Lars Skadhauge, Anders D Nielsen
- PA1203 Kebab restaurant workers ; A Risky Business**
Zafer Hasan Ali Sak (Şanlıurfa, Turkey), Şerif Kurtuluş, Birsen Ocaklı, Ibrahim Bayhan, M.Irfan Yeşİlnacar, Peri Arbak
- PA1204 Interstitial lung disease in seven construction worker who built an extension on hydrofluoric gas manufacturing factory**
Mi Yeon Kim (Incheon, Republic of Korea), Daeho Kim, Jung-Ah Shin, Hee Kyung Ahn, Byung-Soon Choi
- PA1205 Occupational COPD and smoking – a matter of inhalation?**
Else Würtz (Tjele, Denmark), Charlotte Brasch-Andersen, Rudi Steffensen, Jens Georg Hansen, Tine Halsen Malling, Vivi Schlunssen, Oyvind Omland
- PA1206 Increase in isocyanate-induced occupational asthma in Czech Republic**
Pavlina Klusáčková (Praha, Czech Republic), Bronislava Viest, Jindriska Lebedová, Tomáš Navrátil
- PA1207 Obesity modifies the effect of WTC exposure on quantitative chest CT measured airway wall thickness**
Rafael E. de la Hoz (New York, United States of America), Xiaoyu Liu, John T. Doucette, Yunho Jeon, Juan C. Celedón, Raúl San José Estépar
- PA1208 Early UK experience of referred cases of possible silicosis following updated guidance on silica healthsurveillance**
David Fishwick (Sheffield (South Yorkshire), United Kingdom), Chris M Barber, Mohamed Kamil
- PA1209 Distribution of sensitizer-induced occupational asthma in R. Macedonia by occupation in the period 2005-2017**
Jordan Minov (Skopje, FYROM (Macedonia)), Jovanka Karadzinska-Bislimovska, Saso Stoleski, Dragan Mijakoski, Aneta Atanasovska
- PA1210 Exhaled nitric oxide in mustard airway disease**
Rasoul Aliannejad (Tehran, Islamic Republic of Iran), B. Fatemeh Nobakht M.Gh.
- PA1211 Late onset findings of paranasal sinuses CT & lung HRCT scan after Mustard gas inhalation**
Maryamossadat Moeini Azad Tehrani (Tehran, Islamic Republic of Iran)
- PA1212 Comparison of number of asbestos bodies in formalin fixed lung tissue and paraffin block**
Holger Dressel (Zürich, Switzerland), Barbara Kuhn, Fabio Barresi, Bart Vrugt
- PA1213 Assessment of the incidence and risk factors of coal-worker's pneumoconiosis (CWP) in Silesia, Poland.**
Renata Zlotkowska (Katowice, Poland), Alina Mroczek

- PA1214 Complications of Occupational Silicosis (OS)**
Maher Maoua (Sousse, Tunisia), Asma Chouchane, Aicha Brahem, Haifa Aroui, Imen Kacem, Sana El Guedri, Houda Kalboussi, Olfa El Maalel O, Souheil Chatti, Nejib Mrizak
- PA1215 Occupational diseases as a metaphor: do not cough!**
Ayşe Coşkun Beyan (İZMİR, Turkey), Yucel Demiral, Serhat Erdal
- PA1216 Outbreak of asthma, rhinitis and skin symptoms in processing of polyvinyl chloride-polyurethane (PVC-PU) fabrics**
Irmeli Lindström (Helsinki, Finland), Hille Suojalehto, Katri Suuronen
- PA1217 Lung Function Decline In Occupational Asthma (OA): A Comparison of Irritant-Induced Asthma and Sensitising OA.**
Maximillian Thomas (Birmingham (West Midlands), United Kingdom), Vicky Moore, Gareth Walters
- PA1218 Infant lung growth is associated with exposure to oxides of nitrogen**
Nithiseelan Rajen Naidoo (Durban, South Africa), Prakash Jeena, Sheena Muttoo, Kareshma Asharam, Aweke Mitku
- PA1219 A case of unsuspected hard metal lung disease in a thermal sprayer in NSW, Australia.**
Deborah Yates (Sydney (NSW), Australia), Samuel Sameh, Elizabethne Silverstone, Robert A Cohen, Jerrold L Abraham, Somya Sanyal, Tracy A Smith
- PA1220 Longitudinal observation of firefighter lung function over nine years using impulse oscillometry**
Flynn Slattery (Adelaide (SA), Australia), Kylie Johnston, Catherine Paquet, Alan Crockett
- PA1221 Occupational asthma in a mycologist**
Gareth Walters (Birmingham, United Kingdom), Vicky Moore, Alastair Robertson, Sherwood Burge

TP-30

Session 122

12:50 - 14:40

Thematic poster: Tobacco use and cessation interventions in patients with respiratory, cardiovascular and mental health problems and other populations

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Respiratory infections** **Respiratory infections**

Method(s) : Physiology Epidemiology General respiratory patient care Public health Cell and molecular biology

Chairs : Sofia Belo Ravara (Covilhã, Portugal), James Allinson (London, United Kingdom), Keir E. Lewis (Llanelli (Dyfed), United Kingdom), Athina Diamanti (Pefki, Greece)

- PA1222 Active and passive smoking during pregnancy**
Athina Diamanti (Pefki, Greece), Vasilios Raftopoulos, Katerina Lykeridou, Aikaterini Daliani, Stamatia Giannareli, Stamatina Palaïou, Sotiria Schoretsaniti, Efthimios Zervas, Christina Gratziou, Paraskevi Katsaounou
- PA1223 Effect of a short tobacco cessation intervention among pregnant women: pilot results of the TOB-G project**
Constantine Vardavas (Athens, Greece), Theodosia Peleki, Victoria Vivilaki, Vergina Vyzikidou, Sophia Papadakis, Andriani Loukopoulou, Vaso Evangelopoulou, Panagiotis Behrakis
- PA1224 smoking cessation program: where do our patients come from?**
Ana Santos (Porto, Portugal), Inês Oliveira, Joana Carvalho, Rafaela Campanha, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira
- PA1225 Characteristics of the patient who is successful or not in stopping smoking**
Raul Godoy Mayoral (Albacete, Spain), Francisco Javier Callejas González, Ana Tornero Molina, Marta Genovés Crespo, Rafaela Sánchez Simón Talero, Patricia Lopez Miguel, Pedro Juan Tarraga Lopez
- PA1226 Treatment adherence and short term outcomes of smoking cessation outpatient clinic patients**
Dilek Karadoğan (Rize, Turkey), ÖZgür öNal, Deniz Say şAhin, Yalçın Kanbay, Sebih Alp, üNal şAhin
- PA1227 Adherence to a blended smoking cessation treatment**
Marjolein Brusse-Keizer (Enschede, Netherlands), Lutz Siemer, Marloes Postel, Somaya Ben Allouch, Angelos Patrinoopoulos, Robbert Sanderman, Marcel Pieterse
- PA1228 How does reimbursement status affect the smoking cessation interventions?**
Dilek Karadoğan (Rize, Turkey), ÖZgür Önal, Yalçın Kanbay
- PA1229 Supporting recruitment of community pharmacies for the STOP trial training using an embedded recruitment model (Russian doll approach)**
Wai Yee James (London, United Kingdom), Sandra Jumbe, Vichithranie Madurasinghe, Sandra Eldridge, Stephanie Taylor, Colin Houlihan, Chris Griffiths, Robert Walton

- PA1230 Smoking and severe persistent asthma**
Paraskevi Katsaounou (Athens, Greece), Mikaela Odemyr, Otto Spranger, Anne Lindberg, Michael E Hyland, Matthias Gasser, Michael Larbig, Ioannis Kottakis, Xavier Jaumont, Ismail Kasujee
- PA1231 Analysis of the ratio of ACO in elderly and non-elderly asthmatics with a history of smoking**
Akinori Ebihara (Tokyo, Japan), Asuka Nagai, Tokuzen Iwamoto, Ichiro Kuwahira
- PA1232 Smoking cessation among COPD and asthma patients: burden vs. motivation**
Tomi Kovačević (Sremska Kamenica, Republic of Serbia), Bojan Zarić, Darijo Bokan, Mirjana Jovančević Drvenica, Sanja Hromiš, Biljana Zvezdin, Ilija Andrijević, Ivan Kopitović, Branislav Perin, Panagiotis Bamidis
- PA1233 Does chronic obstructive pulmonary disease (COPD) impact on women smoking cessation approach?**
Halima Ben Salem (Sousse, Tunisia), Mouna Ben Khelifa, Hadhemi Rejeb, Seri Jdidi, Wafa Benzarti, Sana Aissa, Imen Gargouri, Ahmed Abdelghani, Abdelhamid Garrouche, Abdelaziz Hayouni, Mohamed Benzarti
- PA1234 “Lung age” – a motivational smoking cessation tool in smokers with chronic obstructive pulmonary disease**
Ioana Porosnicu (Iasi (Iasi), Romania), Letitia Trofor, Cristina Vicol, Ionela Alina Grosu, Alexandra Tifrea, Constantine Vardavas, Panagiotis Behrakis, Antigona Trofor
- PA1235 The effect of bupropion on smoking cessation and sleep physiology in COPD and asthma patients**
Darijo Bokan (Sremska Kamenica, Republic of Serbia), Mirjana Jovancevic Drvenica, Tomi Kovacevic, Bojan Zaric, Sanja Hromis, Biljana Zvezdin, Ivan Kopitovic, Ilija Andrijevic, Branislav Perin, Panagiotis Bamidis
- PA1236 An Evaluation of a Smoking Cessation Service in a Regional Cardio-Thoracic Centre.**
Deborah Beach (Harefield, United Kingdom), Tessa Jolliffe, Claire Chalwin, Jaymin Morjaria
- PA1237 The impact of tobacco cessation on the evolution of patients with non-ST-elevation acute coronary syndromes.**
Rim khemakhem (sfax, Tunisia), Nouha Ayedi, Nessrine Kammoun, Walid Feki, Najla Bahloul, Nedja Moussa, Ilhem Yangui, Hajer Ayedi, Sami Kammoun, Rania Hammami, Samir Kammoun
- PA1238 Smoking in individuals with HIV/AIDS: a qualitative-quantitative approach**
Ilda de Godoy (Botucatu (SP), Brazil), Ligia Lopes Devóglgio, Irma Godoy
- PA1240 Does depression disorder have an important impact in smoking cessation?**
Ana Cláudia Rodrigues Vieira (Almada, Portugal), Joana Ferra, Cristina Matos, Fernando Nogueira
- PA1241 HTR2A genetic variants as risk factors for cigarette smoking at an early age and relapse to smoking cessation treatment.**
Gloria Pérez-Rubio (México, Mexico), Luis Alberto López-Flores, Salvador García-Carmona, Leonor García-Gómez, Valeri Noé-Díaz, Enrique Ambrocio-Ortiz, Karol J Nava-Quiroz, Fernando Morales-González, Alma D. Del Angel-Pablo, Alejandra Ramírez-Venegas, Ramcés Falfán-Valencia

TP-31

Session 123

12:50 - 14:40

Thematic poster: Effect of tobacco use on health**Disease(s) :** Airway diseases Thoracic oncology Sleep and breathing disorders**Method(s) :** Respiratory intensive care Cell and molecular biology Imaging General respiratory patient care Physiology Public health Epidemiology**Chairs :** Philip Tønnesen (Glostrup, Denmark), Simon D. Pouwels (Groningen, Netherlands), Thais Garcia (Botucatu (SP), Brazil), Charlotta Pisinger (Glostrup, Denmark)

- PA1242 Change in crackle characteristics among male adult smokers**
Surussawadi Bennett (Khon Kaen, Thailand), Siwimon Kaju, Michael Bennett
- PA1243 Effects of smoking on respiratory problems and functional levels in multiple sclerosis patients**
Ridvan Aktan (balcova (izmir), Turkey), Sevgi Ozalevli
- PA1244 Urinary cotinine predicts pulmonary morbidity in children exposed to passive smoking**
Wael Abd El Fattah (Cairo, Egypt), Hedy Mohammed, Abla Arafa
- PA1245 Lung function parameters in healthy young smokers and nonsmokers – do they reach their maximal values?**
Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Atanas Angelov, Victoria Kostadinova, Stefan Kostianev
- PA1247 Nicotine-induced morphological reconstruction of upper airways in chronic smokers**
Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Evgeniy Gilifanov, Sergey Artyushkin, Tatyana Tiliik
- PA1248 ACUTE HEART EFFECTS OF NICOTINE IN SMOKERS AND THEIR RELATIONSHIP WITH TOBACCO DEPENDENCY.**
Jose Belda (valencia, Spain), Susana Calvo, Vicente Macian

- PA1249** **Effect of smoking cessation in myocardial triglyceride deposition and cardiac function assessed by protons spectroscopy technique**
Suzana Erico Tanni (Botucatu (SP), Brazil), Thais Garcia, Ana Natalia Ribeiro Batista, Alejandra Villanueva Mauricio, Jose William Zucchi, Paula Schmidt Azevedo Gaiola, Sergio Alberto Rupp Paiva, Irma De Godoy
- PA1250** **Investigation of the Relationship Between Carbon monoxide Level, Amount of Cigarette Consumption, Cardiopulmonary Exercise Test and Pulmonary Function Test Results in Smoking Healthy Subjects**
Hazal Yakut (Izmir, Turkey), Sevgi Özalevli, Oğuz Kılınç
- PA1251** **Effects of smoking on exercise capacity, exercise dyspnea and pulmonary functions in healthy individuals**
Begum Unlu (Istanbul, Turkey), S. Ufuk Yurdalan, Murat Ozturk, Elif Yıldırım
- PA1252** **SMOKERS WITH NORMAL FEV1/CVF: HOW COMMON IS EMPHYSEMA AND CHANGES IN DLCO**
LUCIANA ZANI DA SILVA (PORTO ALEGRE, Brazil), Daniela Cavalet Blanco, Thais Ribeiro, Jose Miguel Chatkin
- PA1253** **Deleterious role of anti-hsp70 on immune system in chronic asymptomatic smokers**
Thyego Mychell Moreira Santos (Botucatu (SP), Brazil), Irma Godoy, João Paulo Castro Marcondes, Suzana Erico Tanni Minamoto, Thais Garcia, Felip Burgo, Ilda Godoy
- PA1254** **The effect of Smoking on the body composition according to bioimpedance the indigenous inhabitants of the Arctic zone of Western Siberia**
Irina Protasova (Nadym (Yamal-Nenets), Russian Federation), Andrei Popov, Andrei Lobanov, Sergey Andronov, Ruslan Kochkin, Elena Bogdanova
- PA1255** **Effect of smoking on changes in exhaled breath temperature secondary to exogenous hypoxia**
Peter Dimov (Plovdiv, Bulgaria), Zdravko Taralov, Aneliya Draganova, Blagoi Marinov
- PA1256** **Impact of smoking in quality of life and sleep: a prospective study**
Catarina Carvalho Cordes Amaral Barata (Lisbon, Portugal), Rita Rosa, Inês Oliveira, Joana Carvalho, Marta Fradinho, Luisa Oliveira, Fernando Nogueira
- PA1257** **Impact of nicotine abuse on sleep physiology**
Mirjana Jovančević Drvenica (Novi Sad, Republic of Serbia), Darijo Bokan, Tomi Kovacevic, Ivan Kopitovic, Bojan Zaric, Sanja Hromis, Biljana Zvezdin, Miroslav Ilic, Ilija Andrijevic, Branislav Perin, Panagiotis Bamidis
- PA1258** **Smoking status and levels of anxiety and depression in hospitalized patients.**
Marli Maria Knorst (Porto Alegre (RS), Brazil), Caroline Uber Ghisi, Muriel Bossle Sarmiento, Laura Grazziotin Vedana, Gabriela Buffon, Marcelo Basso Gazzana
- PA1259** **Smoking and lung cancer**
Souad Souilah (Alger, Algeria), Nassima Djami, Nesrine Dermech, Karim Khenouf, Yacine Benbetka, Rabah Amrane, Aziza Fissah
- PA1260** **Carboxyhemoglobin level in patients undergoing home long term oxygen therapy declaring themselves as non-smokers.**
Adam Nowinski (Warszawa, Poland), Damian Korzybski, Anna Czyzak-Gradkowska, Robert Pływaczewski, Pawel Sliwinski
- PA1261** **Comorbid conditions and social determinants of smoking in the adult population.**
Esra Uzaslan (Bursa, Turkey), Ozge A Guclu, Nilufer A A Ozturk, Asli Dilektasli, Ezgi D Cetinoglu, Mehmet Karadag

TP-32

Session 124

12:50 - 14:40

Thematic poster: Role of omics in population studies**Disease(s)** : Airway diseases Pulmonary vascular diseases**Method(s)** : Public health Cell and molecular biology Epidemiology**Chairs** : Olena Gruzjeva (Stockholm, Sweden), Susanne J. H. Vijverberg (Utrecht, Netherlands), Klaus Bonnelykke (Allerød, Denmark), Juan Celedon (Pittsburgh, United States of America)

- PA1262** **Late Breaking Abstract - Mutations of BRWD1 may be associated with Primary Ciliary Dyskinesia**
Ting Guo (chang sha, China), Zhi-Ping Tan, Hong Luo
- PA1263** **DNA methylation and serum total immunoglobulin E (IgE) levels: a methylome-wide association study in adults with asthma**
Sebastien Chanoine (La Tronche, France), Anaïs Malpertuis, Laura Beaumier, Dylan Aïssi, Emmanuelle Bouzigon, Elodie Boulter, Xiao Jian Shao, Mark Lathrop, Elin Grundberg, Isabelle Pin, Florence Demenais, Valérie Siroux
- PA1264** **Metabolite quantitative trait loci provide functional link between FADS2 and lung obstruction in asthmatics**
Rachel Kelly (boston, United States of America), Scott Weiss, Bruce Levy, Benjamin Raby, Jessica Lasky-Su

- PA1265 Contribution of the Saguenay–Lac-Saint-Jean asthma familial cohort in the omic landscape of asthma**
Jolyane Meloche (Saguenay (QC), Canada), Lucile Pain, Anne-Marie Boucher-Lafleur, Catherine Laprise
-
- PA1266 DNA-estimated ageing markers are associated with COPD**
Maaike de Vries (Groningen, Netherlands), Victor Guryev, Tristan V. De Jong, Judith M. Vonk, H. Marike Boezen, Cleo C. Van Diemen
-
- PA1267 Exome sequencing reveals immune genes as susceptibility modifiers in α 1-antitrypsin deficiency**
Chiara Rigobello (Padova (PD), Italy), Simonetta Baraldo, Mariaenrica Tinè, Iliaria Ferrarotti, Angelo Corsico, Davide Biondini, Donato Lacedonia, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro, Giorgio Valle, Marina Saetta, Manuel Cosio
-
- PA1268 Transcriptomic alterations induced by air pollution-derived PM_{2.5} reflect the shift from healthy to COPD-diseased human bronchial epithelium**
Sébastien Anthérieu (LILLE, France), Bérénice Leclercq, Laurent-Yvon Alleman, Esperanza Perdrix, Patrice Coddeville, Jean-Marc Lo-Guidice, Guillaume Garçon
-
- PA1269 Inhaled diesel exhaust alters plasma proteome signature**
Neeloffer Mookherjee (Winnipeg (MB), Canada), Min Hyung Ryu, Mahadevappa Hemshekhar, Victor Spicer, Christopher Carlsen
-
- PA1270 β 2-adrenergic receptor polymorphisms and risk of COPD**
Leila Karimi Gazafroudi (Rotterdam, Netherlands), Lies Lahousse, Bruno H C Stricker, Johan Van Der Lei, Katia M Verhamme, Guy G Brusselle
-
- PA1271 TRPM8 polymorphism as an independent factor of bronchial obstruction in asthma**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Olesya Kotova, Anna Prikhodko, Juliy Perelman, Victor Kolosov
-
- PA1272 Cold air alters MUC5AC and MUC5B expression in the airways of asthma patients**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Olesya Kotova, Anna Prikhodko, Elena Pinegina, Juliy Perelman, Victor Kolosov, Xiangdong Zhou, Qi Li
-
- PA1273 Genomic analysis of CC16 as a biomarker for COPD**
Xingnan Li (Tucson, United States of America), Stefano Guerra, Huashi Li, Stephanie Christenson, R Graham Barr, Christopher Cooper, David Couper, Mark Dransfield, Meilan Han, Nadia Hansel, Eric Hoffman, Richard Kanner, Eric Kleerup, Fernando Martinez, Wanda O'Neal, Robert Paine, Prescott Woodruff, Deborah Meyers, Eugene Bleecker
-
- PA1274 New evidence of genetic adaptation to high altitude in Andean populations**
Christina Eichstaedt (Heidelberg, Germany), Luca Pagani, Tiago Antao, Charlotte Inchley, Alexia Cardona, Alexander Mörseburg, Florian Clemente, Timothy Sluckin, Ene Metspalu, Mario Mitt, Reedik Mägi, Georgi Hudjashov, Mait Metspalu, Maru Mormina, Guy Jacobs, Toomas Kivisild
-
- PA1275 Age at menopause and lung function: A Mendelian randomization study**
Diana van der Plaats (Paris, France), Miguel Pereira, Giancarlo Pesce, James Potts, Andre Amaral, Shyamali Dharmage, Judith Garcia-Aymerich, Francisco Gomez-Real, Deborah Jarvis, Cosetta Minelli, Benedicte Leynaert
-
- PA1276 Body mass index and lung function: A two-step epigenetic Mendelian randomization study**
Andre F.S. Amaral (London, United Kingdom), Medea Imboden, Matthias Wielscher, Faisal I. Rezwani, Cosetta Minelli, Judith Garcia-Aymerich, Gabriela P. Peralta, Juha Auvinen, Ayoung Jeong, Emmanuel Schaffner, Anna Beckmeyer-Borowko, John W. Holloway, Marjo-Riitta Jarvelin, Nicole Probst-Hensch, Deborah L. Jarvis
-
- PA1277 Cardio metabolic traits and lung function: A Mendelian Randomization study**
Andre F.S. Amaral (London, United Kingdom), Matthias Wielscher, Cosetta Minelli, Juha Auvinen, Sylvain Sebert, Debbie Jarvis, Marjo-Riitta Jarvelin
-
- PA1278 Genome-wide interaction study of environmental tobacco smoke exposure on time-to-asthma onset in childhood**
Emmanuelle Bouzigon (Paris, France), Pierre-Emmanuel Sugier, Chloé Sarnowski, Raquel Granell, Catherine Laprise, Debbie Jarvis, Markus J Ege, Erika Von Mutius, Marie-Hélène Dizier, A. John Henderson, Manolis Kogevinas, Florence Demenais

TP-33

Session 125

12:50 - 14:40

Thematic poster: The bad and the ugly in paediatric asthma: comorbidities and exacerbations

Disease(s) : **Airway diseases**

Method(s) : Imaging Physiology Public health Epidemiology General respiratory patient care Cell and molecular biology

Chairs : Ozge Yilmaz (Manisa, Turkey), Evelien R. van Meel (Rotterdam, Netherlands), Ana Maria Herrera Gana (Santiago, Chile), Bart L. Rottier (Groningen, Netherlands)

- PA1279 Asthmatic adolescent anxiety and adaptation to illness**
Silvia Castillo Corullón (Torrent (Valencia), Spain), Selene Valero-Moreno, Marian Pérez- Marín, Inmaculada Montoy a-Castilla, Amparo Escribano-Montaner
-
- PA1280 Emotional distress in children with problematic severe asthma is associated with parental anxiety and depression**
Louise Selby (Cambridge (Cambridgeshire), United Kingdom), Frances Beresford, Sejal Saglani, Andrew Bush, Angela Jamalzadeh, Rachael Moore Crouch, Pippa Hall, Louise Fleming
-
- PA1281 Mother's level of education and knowledge about asthma is a major determinant of asthma control in children: A multicenter study by Respiratory Research Network of India.**
Sneha Limaye (Pune (Maharashtra), India), Sasidharan Bindusha, Mohammed Haseeb, Prasad Muley, Nilofer Mujawar, Premalatha Ramaswamy, Rajendra Kumar, Sanjay Bafna, Jagadish Dhekne, Reyaz Malik, Barnali Bhattacharya, Suhas Kulkarni, Sapna Madas, Shruti Sahasrabudhe, Sundeep Salvi
-
- PA1282 Associations between indicators of socioeconomic status and childhood asthma**
Valentina Cvejaska-Colakovska (Skopje, FYROM (Macedonia)), Emilija Vlashki, Mimi Kimovska, Lidija Seckova, Vesna Micevska, Josh Lawson
-
- PA1283 Physical activity and quality of life among children with well controlled asthma**
Fotios Kirvassilis (Oraiokastro, Greece), Hatziagorou , Pavlina Peftoulidou, Maria Parisi, Eleana Kouroukli, LEMONIA Nousia, John Tsanakas
-
- PA1284 Features of asthma control in obese children**
Mykola Garas (Cherivtsi, Ukraine)
-
- PA1285 Comparison of Body Fat Composition and Body Mass Index as a risk factor for severity of small airway obstruction in school-aged children in Korea**
Hyemi Jee (Seongnam, Republic of Korea), Kyung Suk Lee, Eun Kyo Ha, Young-Ho Jung, Man Yong Han
-
- PA1286 Scores of disease control and quality of life in atopic asthmatic children: relationship with disease history and lung volumes.**
Mario Barreto (Roma (RM), Italy), Anna Prete, Melania Evangelisti, Susy Martella, Marilisa Montesano, Maria Pia Villa
-
- PA1287 What is the commonest symptom of asthma in Indian children?**
Monica Barne (Pune (Maharashtra), India), Noopur Hedawoo, Nisha Kale, Sapna Madas, Sundeep Salvi
-
- PA1288 Defining acute asthma severity – how do worldwide asthma guidelines compare?**
Ann McMurray (Edinburgh (Edinburgh), United Kingdom), Louise Fleming, Steve Cunningham
-
- PA1289 Asthma hospitalization rates and asthma mortality in Chilean Children: 2008-2014**
Ana María Herrera Gana (Santiago, Chile), Gabriel Cavada Chacon
-
- PA1290 Prognostic factors in severe eosinophilic asthma in children**
Carlos Martínez Ribera (Barcelona, Spain), Clara Padró Casas, Maria Basagaña Torrentó, Marisa Rivera Ortún, Carlos Pollán Guisasola, Jose Tomas Navarro Ferrando, Eva Martínez Caceres, Aina Teniente Serra, Alicia Francoso Vicente, Maria Del Mar Martínez Colls
-
- PA1291 Impact of risk factors on the requirement of long term preventers at 3 years following first admission for wheezing in the initial 2 years of life**
Mahesh Babu Ramamurthy (Singapore, Singapore), Daniel Y T Goh, Michael T C Lim, Melvin Qiyu Lee
-
- PA1292 Functional status of ciliated epithelium during asthma exacerbation and remission in children**
Natalia Kolosova (Moscow, Russian Federation), Irina Ozerskaia, Natalia Gepe, Ulyana Malyavina
-
- PA1293 Risk factors for asthma exacerbation in children and adolescents**
Andrey Sousa (São Paulo (SP), Brazil), Anna Lúcia Cabral, Milton Arruda Martins, Celso Rf Carvalho
-
- PA1294 The role of Surfactant proteine B in formation of respiratory diseases in former preterms**
Oleksandr Mazulov (Vinnytsia, Ukraine), Olga Yablon, Iuliia Kyslova
-
- PA1295 Prevalence and risk factors of fixed airway obstruction in children with asthma**
Kelvin Yong Jie Lim (Singapore, Singapore), Oon Hoe Teoh, John Allen Jr, Qixian He, Arun Pugalenthi, Oh Moh Chay, Anne Goh, Petrina Wong, Yi Hua Tan, Zai Ru Cheng, Ai Huay Teo, Biju Thomas
-
- PA1296 Obesity and respiratory function impairment in asthmatic and non asthmatic children**
Carolina Vitale (Frattamaggiore (NA), Italy), Livio Vitiello, Miriana Picariello, Angelantonio Maglio, Fabio Cerrone, Miriam Schirò, Pietro Vajro, Alessandro Vatrella
-
- PA1297 Laser Doppler flowmetry in the evaluation of microcirculation in children with bronchial asthma.**
Natalia Kolosova (Moscow, Russian Federation), Natalia Gepe, Veronika Denisova, Anita Denisova, Natalia Lozko

- PA1298** **The effect of inhaled corticosteroids on hair cortisol**
Esmé J. Baan (Rotterdam, Netherlands), Erica L T Van Den Akker, Yolanda B De Rijke, Johan C De Jongste, Miriam Sturkenboom, Katia M Verhamme, Marjolein Engelkes, Hettie M Janssens

TP-34

Session 126

12:50 - 14:40

Thematic poster: Paediatric asthma: new mechanisms and tools**Disease(s)** : Airway diseases Respiratory infections**Method(s)** : Cell and molecular biology General respiratory patient care Epidemiology**Chairs** : Annelies M. Zwitserloot (Groningen, Netherlands), Carmelo Gabriele (Ancona (AN), Italy), Astghik Baghdasaryan (Yerevan, Armenia)

- PA1299** **Late Breaking Abstract - Tidal breathing variability during sleep is a sensitive marker of disease control in small children with recurrent wheeze**
Davor Plavec (Zagreb, Croatia), Ville-Pekka Seppä, Marita Paassilta, Javier Gracia, Anton Hult, Jari Viik, Jussi Karjalainen

- PA1300** **E-CADHERIN GENE PROMOTER METHYLATION IN PEDIATRIC ASTHMA PATHOGENESIS AND CLINICS**
Hasan Yuksel (Manisa, Turkey), Kazim Zaraci, Ferda Ozkinay, Ozge Yilmaz, Tahir Atik, Yurda Basbay, Esra Isik

- PA1301** **Unsupervised and externally validated clinical cluster analysis from the U-BIOPRED paediatric cohorts**
Simone Hashimoto (Amsterdam, Netherlands), Paul Brinkman, Diane Lefaudeux, Aruna T. Bansal, Bertrand De Meulder, Clare Murray, Andrew Bush, Urs Frey, Florian Singer, Gunilla Hedlin, Björn Nordlund, Hans Bisgaard, Wim Van Aalderen, Susanne J.H Vijverberg, Nadja H. Vissing, Zaraqiza Zolkipli, Anna Selby, Stephen J. Fowler, Dominic Shaw, Ana R. Sousa, Scott Wagers, Julie Corfield, Ioannis Pandis, Anthony Rowe, Marta Puig Valls, Gianluca Praticò, Charles Auffray, Kian Fan Chung, Elisabeth H. Bel, Ratko Djukanovic, Anke-Hilse Maitland Van Der Zee, Peter J. Sterk, Louise Fleming, Graham Roberts

- PA1302** **Potential causes of variability in latent phenotypes of childhood wheeze**
Ceyda Oksel (London, United Kingdom), Raquel Granell, John Henderson, Adnan Custovic

- PA1303** **Cytokines in asthma and obesity in children**
Niya Krasteva (Pleven, Bulgaria), Boiko Shentov, Stanimira Elkina

- PA1304** **Farming exposure of mothers protects offspring from allergic diseases by modulating TLR-Tregs-Th axis of newborn**
Jing Liu (München, Germany), Jinyan Yu, Xiaoqiu Liu, Yanlei Li, Junling Yang

- PA1305** **FENO is not a substitute for the methacholine challenge test in children**
Anja Keßler (Pölchow, Germany), Simon Paur, Aenne Glass, Dagmar-Christiane Fischer, Manfred Ballmann

- PA1306** **Exhaled nitric oxide fraction in asthmatic children: relationship with spirometric patterns and spirometric response to exercise**
Juan Manuel Figueroa (Ciudad Autónoma Buenos Aires, Argentina), Carlos Tomas Velasco Suarez, Magdalena Vocos, Gimena Donth Leger, Doris Primrose, Andrea Dugour

- PA1307** **Exercise-induced symptoms predict persistence of wheeze into adolescence in a clinical population**
Carmen de Jong (Bern, Switzerland), Eva Pedersen, Myrofora Goutaki, Daniel Trachsel, Juerg Barben, Claudia Kuehni

- PA1308** **ADAM33 is involved in post-natal airway hyperresponsiveness caused by maternal allergic airway inflammation**
Marieke Wandel (Southampton (Hampshire), United Kingdom), Elizabeth R. Davies, Joanne F. C. Kelly, Stephen T. Holgate, Jeffrey A. Whitsett, Donna E. Davies, Hans Michael Haitchi

- PA1309** **Airway responsiveness and inflammatory markers in non-asthmatic adolescents with elevated FeNO**
Pia Kalm-Stephens (Uppsala, Sweden), Lennart Nordvall, Janson Christer, Malinovschi Andrei, Alving Kjell

- PA1310** **The perception of dyspnea during exercise-induced bronchoconstriction in asthmatic children**
Chikako Motomura (Fukuoka, Japan), Takahito Ninomiya, Masatoshi Wakatsuki, Yuki Okamoto, Yuko Akamine, Toshiaki Kawano, Koki Okabe, Mihoko Iwata, Naohiko Taba, Satoshi Honjho, Hiroshi Odajima

- PA1311** **Opinions towards the implementation of spirometry and exhaled nitric oxide testing in children under investigation for asthma in primary care**
Lesley Danvers (Leicestershire, United Kingdom), David Lo, Nichola Harcombe, Damian Roland, Matthew Richardson, Yaling Yang, Andrew Wilson, Erol Gaillard

- PA1312** **Is there any association between spirometry and impulse oscillometry in asthmatic preschool children?**
Paula Cristina Carvalho Vidal Reis Leiria Pinto (Lisboa, Portugal), Pedro Martins, Isabel Peralta, Nuno Neuparth

- PA1313** **Comparison of the analytical performance of the Euroline®, ImmunoCAP®, and ImmunoCAP ISAC 112® in vitro allergen sIgE diagnostic assays in the pediatric arm of the DZL All Age Asthma Cohort (ALLIANCE)**
Chrysanthi Skevaki (Athens, Greece), Anna Maria Dittrich, Markus Weckmann, Kathrin Eiringhaus, Nina Timmesfeld, Pavel Tafo, Matthias Kopp, Erika Von Mutius, Gesine Hansen, Harald Renz
- PA1314** **Misdiagnosis of children's asthma is common in UK primary care and can be improved with objective tests**
David Lo (Rothley, United Kingdom), Lesley Danvers, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard
- PA1315** **The use of exhaled nitric oxide (NO) to categorize asthma phenotype and treatment in children - Results from National Hospital of Pediatrics**
Sy Duong-Quy (Da Lat, Vietnam), Hanh Nguyen-Thi-Bich, Huong Le-Thi-Minh, Craig Timothy
- PA1316** **Nitrogen (N2) multiple breath washout: Assessment of ventilation inhomogeneity in severe paediatric asthma**
Patricia de Gouveia Belinelo (Newcastle (NSW), Australia), Aleisha Nielsen, Bernadette Goddard, Adam M. Collison, Paul D. Robinson, Bruce Whitehead, Jodi Hilton, Tanya Gulliver, Laurence Roddick, Lauren Platt, Kasey Pearce, Joerg Mattes

TP-35

Session 127

12:50 - 14:40

Thematic poster: Cystic fibrosis in adults: current researchDisease(s) : **Respiratory infections** **Airway diseases** **Respiratory critical care** **Respiratory infections**

Method(s) : Cell and molecular biology Physiology Transplantation Imaging Endoscopy and interventional pulmonology General respiratory patient care

Chairs : Nicholas Simmonds (London, United Kingdom), Robert Gray (Edinburgh, United Kingdom), Chair to be confirmed

- PA1317** **Correlation of physical fitness with peripheral muscle strength, physical activity levels and lung function in patients with cystic fibrosis**
Marcio Donadio (Porto Alegre (RS), Brazil), Fernanda Vendrusculo, Gabriela Bueno, Natalia Campos, Ingrid Silveira, Mailise Gheller, Joao Heinzmann-Filho
- PA1318** **Non-invasive ventilation during exercise in severe cystic fibrosis subjects: a preliminary study**
Raffaella Bellini (Negrar (Verona), Italy), Clizia Cazzarolli
- PA1319** **In adults with cystic fibrosis (CF), the high-resolution computed tomography (HRCT) predicts maximal exercise capacity**
Ernesto Crisafulli (Modena (MO), Italy), Elisabetta Teopompi, Silvia Luceri, Francesco Longo, Paolo Pagano, Chiara Longo, Antonella Ielpo, Marina Aiello, Giuseppina Bertorelli, Nicola Sverzellati, Alfredo Chetta, Giovanna Pisi
- PA1320** **Cardiorespiratory Fitness in an adult Norwegian Cystic Fibrosis Population**
Ole Torvanger (Sandnes, Norway), Audun Os, Ole Henning Skjøsberg, Elisabeth Edvardsen
- PA1321** **CARDIOPULMONARY ASSESSMENT AMONG ADOLESCENTS WITH CYSTIC FIBROSIS : THE "HEART" OF THE PROBLEM**
Giancarlo Tancredi (Roma (RM), Italy), Alessandra Favoriti, Caterina Lambiase, Desiree Mollicone, Valeria Tromba, Versacci Paolo, Luigi Graziano, Tamara Perelli
- PA1322** **Real life experience of lumacaftor/ivacaftor in adult Phe508del homozygous cystic fibrosis patients.**
Giacomo Domenico Maria Bonizzoni, Michela Bellocchia, Cristina Bena, Elisa Clivati, Carlotta Biglia, Sara Demichelis, Gianpiero Bandelli, Alessia Grande, Fabio Traversa, Carlo Albera, Barbara Messori
- PA1323** **Real-life experience of Omalizumab in adult Cystic Fibrosis patients with allergic severe asthma and Allergic Bronchopulmonary Aspergillosis**
Michela Maria Bellocchia (Torino (TO), Italy), Giacomo Bonizzoni, Carlotta Biglia, Cristina Bena, Elisa Clivati, Valentina Difino, Fabio Traversa, Sara Demichelis, Fabio Luigi Massimo Ricciardolo, Carlo Albera, Barbara Messori
- PA1324** **Long-term outcomes and clinical worsening in cystic fibrosis patients with at least one residual function mutation**
Andrea Gramegna (Milano (MI), Italy), Martina Contarini, Stefano Aliberti, Giovanni Sotgiu, Manuela Seia, Luigi Porcaro, Alessandra Colombo, Nicolò Vanoni, Francesco Amati, Giovanna Pizzamiglio, Marta Di Pasquale, Silvia Dellafiore, Maria Pappalettera, Carlo Castellani, Baroukh Maurice Assael, Francesco Blasi
- PA1325** **Clinical characteristics and disease severity of adults with cystic fibrosis with at least one residual function mutation**
Martina Contarini (Gorgonzola (MI), Italy), Andrea Gramegna, Stefano Aliberti, Giovanni Sotgiu, Manuela Seia, Luigi Porcaro, Alessandra Colombo, Nicolò Vanoni, Francesco Amati, Giovanna Pizzamiglio, Marta Di Pasquale, Silvia Dellafiore, Maria Pappalettera, Carlo Castellani, Baroukh Maurice Assael, Francesco Blasi
- PA1326** **A review of Lung Transplantation for Cystic Fibrosis in Ireland in 2017.**
Petra Grehan (Co. Dublin, Ireland), Irene Byrne, J.J Egan, Dervilla Danaher, Heart And Lung Transplant Team

- PA1327** **Macroscopic sputum quality assessments with a colour grading system in Cystic Fibrosis patients**
Beatrice Ferrari (Firenze (FI), Italy), Chiara Degl'Innocenti, Chiara Castellani, Eleonora Masi, Vito Terlizzi, Maria Chiara Cavicchi, Riccardo Guarise
- PA1328** **Transmission-frequency of *Aspergillus fumigatus* in cystic fibrosis patients through coughing**
Monique H.E. Reijers (Molenhoek, Netherlands), Tobias Engel, Ellen Erren, Koen Vanden Driessche, Willem Melchers, Peter Merkus, Paul Verweij
- PA1329** **Prospective study on clinical and immunological *Aspergillus* categorization in cystic fibrosis.**
Carsten Schwarz (Berlin, Germany), Svenja Kaufmann, Jobst Fridolin Röhmel, Patience Eschenhagen, Anne Mehl, Carolin Meinus, Doris Staab, Volker Rickerts, Kathrin Seidel, Petra Bacher, Alexander Scheffold
- PA1330** ***Pseudomonas aeruginosa* eradication therapy on Cystic Fibrosis- Guideline and clinical routine**
Klaus Einhorn (Rostock, Germany), Manfred Ballmann
- PA1331** **Treatment of atelectasis and severe mucus plugging in cystic fibrosis.**
Helga Elidottir (Vellinge, Sweden)
- PA1332** **Assessment of mental health status in primary ciliary dyskinesia and cystic fibrosis patients and their parents**
Sonia Graziano (Rome, Italy), Virginia Mirra, Nicola Ullmann, Raffaella Rusciano, Vincenzina Lucidi, Renato Cutrera, Paola Tabarini
- PA1333** **Sputum glucose as a marker of disease severity in adult patients with cystic fibrosis**
Andrea Gramegna (Milano (MI), Italy), Martina Contarini, Stefano Aliberti, Giovanni Sotgiu, Leonardo Terranova, Martina Oriano, Nicolò Vanoni, Francesco Amati, Giovanna Pizzamiglio, Marta Di Pasquale, Silvia Dellafiore, Maria Pappalettera, Baroukh Maurice Assael, Francesco Blasi
- PA1334** **Sputum and plasma adiponectin levels in clinically stable adult cystic fibrosis patients with CFTR I1234V mutation**
Atqah Abdul Wahab (Doha, Qatar), Mona Allangawi, Melin Thomas, Ilham Bettahi, Siveen Silvaraman, Jerobin Kumar, Prem Chandra, Manjunath Ramanjaneya
- PA1335** **Implementing the International Committee on Mental Health in Cystic Fibrosis (ICMH) Guidelines: Practical complexities of managing mental health**
Marieke Verkleij (Amsterdam, Netherlands), Jacqueline Boekhoff, Eric Haarman, Irma Bon, Ad F Nagelkerke, Janice Abbott
- PA1336** **Coping in adult cystic fibrosis patients: Association with anxiety and depression**
Nazlı Zeynep Uslu (Istanbul, Turkey), Şehnaz Olgun Yıldızeli, Derya Kocakaya, Emel Eryüksel, Berrin Ceyhan

TP-36

Session 128

12:50 - 14:40

Thematic poster: Clinical problems in paediatric pulmonology

Disease(s) : Pulmonary vascular diseases | Airway diseases | Respiratory infections | Thoracic oncology | Respiratory critical care | Respiratory infections

Method(s) : Imaging | Surgery | Respiratory intensive care | Public health | Epidemiology | General respiratory patient care

Chairs : Panayiotis Kouis (NICOSIA, Cyprus), Stefania La Grutta (Palermo (PA), Italy)

- PA1337** **Late Breaking Abstract - Digital objective automated feedback on inhalation technique.**
Henrik Ljungberg (Stockholm, Sweden), Björn Nordlund, Anna Carleborg
- PA1338** **Late Breaking Abstract - Psychometric validation of QOL-PCD, Adolescent, Child and Parent Proxy questionnaires assessed their reliability and validity**
Laura Behan (Cork, Ireland), Margaret W Leigh, Sharon D Dell, Alexandra L Quittner, Claire Hogg, Jane Lucas
- PA1339** **The impact of chronic non-specific cough on children and their families**
GILL WARING (Manchester (Greater Manchester), United Kingdom), Susan Kirk, Debbie Fallon
- PA1340** **Evaluation of cases with bronchiectasis diagnosis; one central experience**
Sevgi Pekcan (Ankara, Turkey), Selvihan Yılmaz, Osman Özdemir
- PA1341** **Paediatric chronic cough characteristics and aetiology – a retrospective tertiary clinic cohort study**
Yury Petrunin (Edinburgh (Edinburgh), United Kingdom), Pauline Rowsome, Steve Cunningham, Stefan Unger
- PA1342** **Aspiration Syndrome in Children Under One Year of Age**
Olga Zaytseva (Moscow, Russian Federation), Nadejda Zaitseva, Tatiana Borisova, Marina Besedina, Evgenia Tolstova, Larisa Tilikina, Elena Efimova, Elena Radimova, Elena Ionova
- PA1343** **First year of life respiratory symptoms in premature born children**
Nikki Edelbroek (Rotterdam, Netherlands), Alike Kamerbeek, Gerdien Tramper

- PA1344 Day care attendance during the first year of life and occurrence of infectious respiratory morbidities and symptoms**
Paula Duarte de Oliveira (Pelotas (RS), Brazil), Andréa Dâmaso Bertoldi, Bruna Gonçalves C. Da Silva, Marlos Domingues, Nelson Arns Neumann, Mariângela Freitas Da Silveira
- PA1345 Impact of respiratory syncytial virus infection and palivizumab on severe acute lower respiratory infection during the first 6 months of life in a cohort of Colombian infants.**
Ranniery Acuña-Cordero (Bogotá, Colombia), Alejandro Colmenares, Laura Gonzalez
- PA1346 Trends and costs of pertussis hospitalizations in Portugal, 2000 to 2015: from 0 to 95 years old**
Maria Inês Águeda de Azevedo (Porto, Portugal), Sara Melo Oliveira, Manuel Gonçalves-Pinho, Hercília Guimarães, Alberto Freitas
- PA1347 Hospitalizations for acute bronchiolitis in Portugal, 2000 to 2015**
Maria Inês Águeda de Azevedo (Porto, Portugal), Alexandre Silva, Manuel Gonçalves-Pinho, Alberto Freitas
- PA1348 Impact on Adherence to the 2012 Evaluation and Management of Pediatric Community Acquired Pneumonia Philippine Academy of Pediatric Pulmonologist (PAPP) Update**
Lorraine Sharon Salvana (Quezon City, Philippines)
- PA1349 Polypharmacy in children hospitalized due to respiratory problems: data from a university hospital**
Maria Gogou (Katerini, Greece), Andreas Giannopoulos, Katerina Haidopoulou
- PA1350 Relation of serum IGF-1 and IGFBP3 levels with acute exacerbation in cystic fibrosis**
Pinar Ergenekon (Istanbul, Turkey), Furkan Eser, Emine Atag, Nilay Bas Ikizoglu, Ela Erdem Eralp, Yasemin Gokdemir, Serap Turan, Abdullah Bereket, Bulent Karadag
- PA1351 Hepatopulmonary syndrome prevalence and characteristics in children with cirrhosis in southern Brazil**
Eduardo Garcia (Porto Alegre (RS), Brazil), Gabriela Coral, Marília Ceza
- PA1352 Severity of air pollution in New Delhi and burden of paediatric respiratory illnesses - An Ecological Study**
Charu Kohli (New Delhi (Delhi), India), Bratati Banerjee, Suneela Garg
- PA1353 Hydatid cyst in childhood: single center experience**
Sevgi Pekcan (Ankara, Turkey), Meltem Kıymaz
- PA1354 Invasive mechanical ventilation at home in paediatric patients: the experience of a public health service/Brazil**
Vinícius Oliveira (Tres Rios (RJ), Brazil), Eliza Borges, Laerte Borges Júnior, Hyster Ferreira, Alexya Ferreira, Antônio Carvalho, Ana Laura Paula, Vivian Azevedo, Wallisen Hattori
- PA1355 Metabolomics in the prediction of recurrent wheezing: a longitudinal healthy birth cohort study**
Valentina Agnese Ferraro (Rosa' (VI), Italy), Eugenio Baraldi, Matteo Stocchero, Sara Bozzetto, Michela Maretti, Giuseppe Giordano, Paola Pirillo, Stefania Zanconato, Silvia Carraro
- PA1356 Management of intact and ruptured pulmonary hydatid cysts**
Sabrine LOUHAICHI (Ariana, Tunisia), Sarra Zairi, Besma Hamdi, Mahdi Abdennadher, Hazem Zribi, Amira Dridi, Sonia Ouerghi, Adel Mareghli

TP-37

Session 129

12:50 - 14:40

Thematic poster: Paediatric bronchology

Disease(s) : Airway diseases Respiratory infections Pulmonary vascular diseases Thoracic oncology Respiratory critical care
Respiratory infections

Method(s) : Surgery Respiratory intensive care Cell and molecular biology Imaging Epidemiology Public health Endoscopy and interventional pulmonology General respiratory patient care

Chairs : Dirk Schramm (Düsseldorf, Germany), Uros Krivec (Ljubljana, Slovenia), Deborah Snijders (Ponzano Veneto (TV), Italy), Nicolaus Schwerk (Hannover, Germany)

- PA1357 Vocal cord paralysis appears to be an acquired lesion in children with repaired esophageal atresia/tracheoesophageal fistula**
Federica Porcaro (Roma (RM), Italy), Thomas Kovesi, Francesca Petreschi, Marilena Trozzi, Sergio Bottero, Renato Cutrera
- PA1358 Diagnostic accuracy of radiologic findings in children with suspected foreign body aspiration**
Yu-Mi Park (Seoul, Republic of Korea), Kyung Hoon Kim, Hae Jin Lee, Eun Yae Yang, Hwan Soo Kim, Yoon Hong Chun, Jong-Seo Yoon, Hyun Hee Kim, Jin Taek Kim
- PA1359 Ruptured tracheoinnominate fistula following slide tracheoplasty and non-tuberculosis Mycobacteria tracheobronchitis treated with extracorporeal membrane oxygenation, endovascular stent graft and debranching surgical bypass**
Yu-San Chien (Taipei City, Taiwan), Kuo-Sheng Lee, Kung-Hong Hsu

- PA1360 Lower airway pathology in children with Down syndrome compared to controls**
Mariska De Lausnay (Lokeren, Belgium), Stijn Verhulst, Lieve Boel, Marek Wojciechowski, An Boudewyns, Kim Van Hoorenbeeck
- PA1361 A child with tachypnea**
Paolo Del Greco (Firenze (FI), Italy), Claudia Calogero, Grazia Fenu, Chiara Caparrelli, Cristina Beltrami, Maria Alice Donati, Stefano Avenali, Anna Maria Buccoliero, Matteo Della Monica, Barbara Maria Bergamini, Enrico Lombardi
- PA1362 Does cobblestone appearance on bronchoscopy suggest gastro-oesophageal reflux disease?**
Chukwudumebi Duru (Sheffield (South Yorkshire), United Kingdom), Laura Walker, Alison Scott
- PA1363 Psychosocial status of primary caregivers of children with tracheostomy**
Ayse Tana Aslan (Ankara, Turkey), Tuğba Şişmanlar Eyuboglu, Tuğba Ramaslı Gursoy, Sevgi Pekcan, Zeynep Buyukkaya, Melih Hangül, Mehmet Kose, Sebnem Soysal, Isil Irem Budakoglu
- PA1364 What may stand behind chest pain: a case report**
Michele Ghezzi (Bergamo, Italy), Lucia Migliazza, Giulia Giannotti, Maurizio Cheli, Ahmad Kantar
- PA1365 A rare case of chest pain in children: pulmonary embolism**
Pinar Ergenekon (Istanbul, Turkey), Emine Atag, Yasemin Gokdemir, Ela Erdem Eralp, Sait Karakurt, Omer Dogru, Bulent Karadag
- PA1366 Post-intubation subglottic stenosis in children: analysis of clinical features and risk factors**
Hakan Yazan (Istanbul, Turkey), Erkan Çakir, Ayse Ayzit Atabek, Omer Faruk Çalim, Selcuk Uzuner, Nurettin Onur Kutlu, Orhan Özturan
- PA1367 Pleuropulmonary blastoma in children: an unusual presentation mimicking pneumonia**
Laura Berdah (Paris, France), Sabah Boudjemaa, Helene Boutroux, Jean-Eude Piloquet, Aurore Coulomb, Hubert Ducou Le Pointe, Annick Clement
- PA1368 The etiology of airway foreign bodies in children: analytical cohort study**
Svetlana Sciuca (Chisinau, Republic of Moldova), Tatiana Ivas, Victor Rascov, Victoria Donos, Olga Ciuhrii, Stela Demcenco, Rodica Selevestru
- PA1369 The value of radiography for diagnosis of airway foreign bodies in children**
Svetlana Sciuca (Chisinau, Republic of Moldova), Victoria Donos, Victor Rascov, Tatiana Ivas, Stela Demcenco, Olga Ciuhrii, Liliana Toma, Rodica Selevestru
- PA1370 The etiological specificity of bronchiectasis in Tunisian children**
Besma Hamdi (Manouba oued ellil, Tunisia), Baraa Bdira, Emna Ben Jemai, Sarra Ammari, Jammel Ammar, Anissa Berraies, Agnes Hamzaoui
- PA1371 Diagnostic significance of HRCT imaging modifications in preterm infants with bronchopulmonary dysplasia**
Svetlana Sciuca (Chisinau, Republic of Moldova), Ivanov Diana, Rodica Selevestru, Aliona Cotoman, Silvia Sevcenco, Eugenia Crivceanschi
- PA1372 Abernethy syndrome: A rare cause of pulmonary hypertension**
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Tuğba Ramaslı Gursoy, Ismail Akdulum, Ayse Tana Aslan, Ozgur Boyunaga
- PA1373 Fiberoptic endoscopic evaluation of swallowing as a diagnostic tool in infant silent aspiration**
Vasilis Grammeniatas (Athens, Greece), Alexander Delides, Thomas Nikolopoulos, Angeliki Galani, Kostas Priftis, Kostas Douros
- PA1374 Flexible bronchoscopy in diagnosis and removal of foreign body aspiration in children**
Fotios Kirvassilis (Oraioakastro, Greece), Elpis Hatziagorou, Marina-Triantafyllia Kotzamani, Maria Karailidou, Athanasios Skouras, George Kontzoglou, John Tsanakas
- PA1375 EVALUATION OF RESPIRATORY IMPEDANCE AND VENTILATORY HOMOGENEITY IN PATIENTS WITH PRETERM BIRTH**
Irma Lechuga Trejo (MEXICO CITY, Mexico), Laura Gochicoa Rangel, Luis Torre Bousculet

TP-38

Session 130

12:50 - 14:40

Thematic poster: Molecular and cellular determinants of the developing lung

Disease(s) : Airway diseases Pulmonary vascular diseases ■

Method(s) : Physiology Cell and molecular biology

Chairs : Silvia Carraro (Padova (PD), Italy), Miguel Angel Alejandre Alcázar (Köln, Germany), Cho-Ming Chao (Gießen, Germany), Robbert J. Rottier (Rotterdam, Netherlands)

- PA1376** **Late Breaking Abstract - Systemic IL-26 correlates with improved asthma control in children with allergic sensitization**
Melissa Kovach (Stockholm, Sweden), Ulrika Käck, Karlhans Che, Bettina Levänen, Gunnar Lilja, Jon Konradsen, Anders Lindén
- PA1377** **LSC - 2018 - Impaired angiogenic supportive capacity and altered gene expression profile of CD146+ mesenchymal stromal cells isolated from hyperoxia-injured neonatal rat lungs**
Robbert J. Rottier (Rotterdam, Netherlands), Jennifer J.P. Collins, Marissa A. Lithopoulos (mlithopoulos@gmail.com / Ottawa Hospital Research Institute, Ottawa), Claudia C. Dos Santos (dossantosc@smh.ca / Keenan Research Centre for Biomedical Science of St. Michael's Hospital, Toronto), Nahla Issa (nahlaissa@gmail.com / Ottawa Hospital Research Institute, Ottawa), Marius A. Moebius (marius_alexander.moebius@tu-dresden.de / Technische Universität Dresden, Dresden), Caryn Ito (cito@ohri.ca / Ottawa Hospital Research Institute, Ottawa), Shumei Zhong (szhong@ohri.ca / Ottawa Hospital Research Institute, Ottawa), Arul Vadivel (avadivel@ohri.ca / Ottawa Hospital Research Institute, Ottawa), Bernard Thebaud (bthebaud@ohri.ca / Ottawa Hospital Research Institute, Ottawa)
- PA1378** **Diversity in mesenchymal lineages during early human lung development**
Soula Danopoulos (Los Angeles, United States of America), Soumyaroop Bhattacharya, Matthew Thornton, Brendan Grubbs, Thomas J. Mariani, Denise Al Alam
- PA1379** **Krüppel-like factor 4 (Klf4) is a novel regulator of neonatal lung fibroblast homeostasis and reduced in hyperoxia-induced lung injury**
Dharmesh Hirani (Cologne, Germany), Manuel Koch, Katharina Dinger, Jasmine Mohr, Christina Vohlen, Christian Klautt, Jörg Dötsch, Miguel A. Alejandro Alcazar
- PA1380** **Maternal allergen exposure increases offspring sensory airway innervation and airway hyperreactivity in mice**
Alexandra Pincus (Portland, United States of America), Allison Fryer, David Jacoby, Katie Lebold
- PA1381** **Loss of IL-6 enables lung growth in newborn mice exposed to prolonged hyperoxia**
Dharmesh Hirani (Cologne, Germany), Katharina Dinger, Jasmine Mohr, Christina Vohlen, Behrus Darvishan, Fabian Klein, Eva Lopez Garcia, Margarete Odenthal, Jörg Dötsch, Miguel A. Alejandro Alcazar
- PA1382** **Role of TREM1-Ripk3 axis in hyperoxia induced lung injury in neonates.**
Mansoor Ali Syed (New Delhi (Delhi), India), Dilip Shah, Vineet Bhandari
- PA1383** **Sox21, a novel player in the proximal-distal specification of airway epithelium**
Evelien Eenjes (, Netherlands), Marjon Buscop-Van Kempen, Anne Boerema-De Munck, Anneloes Van Krimpen, Lisette De Kreij- De Bruin, Robbert Rottier
- PA1385** **Krüppel-like Factor 4 (Klf4) in human and mouse lung development: Regulation of ATII Cell Homeostasis in Lungs of Newborn Mice Exposed to HYX**
Jasmine Mohr (Köln, Germany), Manuel Koch, Nikos Oikonomou, Bernhard Schermer, Katharina Dinger, Christina Vohlen, Dharmesh Hirani, Margarete Odenthal, Denise Al Alam, Soula Danopoulos, Jörg Dötsch, Miguel A. Alejandro Alcazar
- PA1386** **The role of epithelial Pten in programmed cellular senescence during lung development**
Ayako Miura (Miyazaki, Japan), Shigehisa Yanagi, Hironobu Tsubouchi, Ayako Matsuo, Nobuhiro Matsumoto, Masamitsu Nakazato
- PA1387** **Effect of inhaled N-acetylcysteine on the oxidative stress and content of proteases in lungs of newborn guinea pigs exposed to hyperoxia**
Iryna Katovich (Minsk, Belarus), Zhanna Rutkouskaya, Svetlana Anischenko, Anatoly Tahanovich
- PA1388** **Thickening of the airway smooth muscle layer from late gestation to first year of life is accompanied by a reduction in smooth muscle cell density**
Kimberley Wang (Southern River, Australia), John Elliot, Sejal Saglani, Peter Noble, Alan James
- PA1389** **Zebrafish as a model for study of developmental origins of chronic lung diseases**
Aleksandra Divac Rankov (Beograd, Republic of Serbia), Mila Ljujic, Mate Varga, Sabine Bartel, Susanne Krauss-Etschmann

TP-39

Session 131

12:50 - 14:40

Thematic poster: Respiratory physiology and measurements

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Chairs : Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Peter Coss (Dublin 8, Ireland), Monika Franczuk (Warszawa, Poland), Jane Kirkby (Sheffield, United Kingdom)

- PA1390** **The multi-ethnic global lung initiative 2012 (GLI-2012) norms reflect contemporary adult's algerian spirometry**
Ketfi Abdelbassat (Alger, Algeria), Merzak Gharnaout, Mohamed Bougrida, Helmi Ben Saad
-
- PA1391** **The bronchodilator test in patients with chronic airway obstruction: the responsiveness of lung function parameters**
Mikhail Chushkin (Moscow, Russian Federation), Natalia Karpina, Lydia Popova, Elena Shergina, Larisa Kiryukhina, Olga Nenasheva, Oleg Ots
-
- PA1392** **Comparison of COPD Gene non-smoking healthy cohort spirometry to NHANESIII**
Robert L. Jensen (Salt Lake City, United States of America), Matthew Hegewald, Alan Morris
-
- PA1393** **The underlying cause of type 2 respiratory failure affects NIV adherence**
Sara Parsons (Surrey, United Kingdom), Emma Baker
-
- PA1394** **Spirometry success rate in children in pediatric pulmonology outpatient unit**
Ana Alice Amaral Ibiapina Parente (Rio De Janeiro (RJ), Brazil), Maria De Fátima March, Clemax Sant'anna, Paula Maia, Priscilla Araújo, Luanda Alleluia
-
- PA1395** **VEF1 and PEF correlation by digital peak expiratory flow and conventional spirometry in children**
Ana Alice Amaral Ibiapina Parente (Rio De Janeiro (RJ), Brazil), Maria De Fátima March, Clemax Sant'anna, Paula Maia, Priscilla Araújo, Luanda Alleluia
-
- PA1396** **Does the oximetry sensor manufacturer impact the oxygen saturation readings during a six minute walk test?**
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester, Katrina Oates
-
- PA1397** **Agreement between clinical and non-clinical digital manometer for assessing maximal respiratory pressures in healthy subjects**
Homero Puppo (Santiago, Chile), Rodrigo Torres-Castro, Matías Otto-Yáñez, Nicolás Sepúlveda-Cáceres, Rodrigo Garrido-Baquedano, Marisol Barros-Poblete, Luis Vasconcello, Roberto Vera-Urbe, Guilherme Fregonezi
-
- PA1398** **Comparison of methods for interpreting bronchodilator response (BDR) in children**
Stephanie Rees (London, United Kingdom), Emma Raywood, Emma Fettes, Aidan Lavery
-
- PA1399** **Comparison of functional residual capacity (FRC) measured by plethysmography (FRCpleth) and multiple breath washout (FRCmbw) in schoolchildren with cystic fibrosis (CF).**
Mollie Riley (London, United Kingdom), Emma Raywood, Stephanie Rees, Emma Fettes, Aidan Lavery
-
- PA1400** **Diagnosis of bronchospasm during bronchodilator test in patients with pulmonary tuberculosis by the method of forced oscillations**
Elena M Zhukova (Novosibirsk, Russian Federation), Lyudmila Vokhminova
-
- PA1401** **How different are the lung volumes and diffusing capacities of healthy Indians compared to age & gender-matched Europeans?**
Nitin Vanjare (Pune (Maharashtra), India), Shweta Rasam, Vandana Das, Yogesh Thorat, Sushma Jadhav, Sundeep Salvi
-
- PA1402** **A novel technical extension of the Forced Oscillation Technique**
Chuong Ngo (Aachen, Germany), Falk Dippel, Sylvia Lehmann, Klaus Tenbrock, Thomas Vollmer, Berno Misgeld, Steffen Leonhardt
-
- PA1403** **X5 values measured on Impulse Oscillometry (IOS) help differentiate healthy, asthmatic, COPD and ILD subjects from one another.**
Vandana Das (Pune (Maharashtra), India), Yogesh Thorat, Nitin Vanjare, Shweta Rasam, Sapna Madas, Rahul Kodgule, Sundeep Salvi
-
- PA1404** **FEV1 and FVC changes at high altitude residents in Kyrgyzstan**
Cholponbaeva Meerim (Bishkek, Kyrgyzstan), Melis Duishobaev, Almazbek Akunov, Kubat Muratali Uulu, Nadira Kushubakova, Zhainagul Kerimbekova, Abdirashit Maripov, Akpay Sarybaev
-
- PA1405** **Evaluation of Respiratory Muscle Strength and Balance in Berardinelli-Seip Congenital Lipodystrophy (BSCL) Patients from Brazil**
Julliane Tamara Araújo de Melo Campos (Santa Cruz, Brazil), Jorge Luiz Dantas De Medeiros, Bruno Carneiro Bezerra, Thiago Anderson Brito De Araújo, Thaiza Teixeira Xavier Nobre, Lucien Peroni Gualdi, Maria Do Socorro Luna Cruz
-
- PA1406** **Modified test to identify the reversibility of bronchial obstruction in patients with chronic obstructive pulmonary disease**
Natalya Sharova (St. Petersburg, Russian Federation), Sergei Grishaev
-
- PA1407** **Spiro-Breath: Application for instant, large-scale interpretation of Pulmonary Functional Test**
Daniel-Ross Monserrate Mitchell (Sabadell (Barcelona), Spain), Laura Vigil, Ana Sogo, Angel Azpeitia, Eric Tort, Axel Salmeron, Guillermo Seminario, Christian Domingo

PA1408 Arterial lactate vs venous lactate as indicator of metabolic limitation during cardiopulmonary exercise testing.
Maria Habes (Bussum, Netherlands), Rachel Salvador, Erica Dijkers, R.P. Van Steenwijk

PA1409 The results of the modelling of respiratory muscles strength proper values by means of artificial intelligence methods
Ilya Kurpatov (Vladivostok, Russian Federation), Boris Geltser, Carina Shahgelyan

TP-40

Session 132

12:50 - 14:40

Thematic poster: Acutely hospitalised patients: physiotherapy interventions and assessment methods

Disease(s) : Respiratory critical care Thoracic oncology Pulmonary vascular diseases Airway diseases Respiratory infections
Respiratory infections

Method(s) : Imaging Public health Surgery General respiratory patient care Respiratory intensive care Physiology

Chairs : Agnieszka Lewko (London, United Kingdom), Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Gregory Reychler (Bruxelles, Belgium), Chris Burtin (Diepenbeek, Belgium)

PA1410 Methodological approach to the development of a learning needs assessment tool
David Anekwe (Montreal, Canada), Lynn Gillespie, Sherry Katz, André Bussi eres, Gregory Moullec, Jadranka Spahija

PA1411 Safety of cough assist set at different pressure levels in an animal model of mechanical ventilation
Roberto Martinez Alejos (Bordeaux, France), Joan Daniel Mart ı Romeu, Gianluigi Li Bassi, Xabier Pilar Diaz, Hua Yang, Francesco Pagliara, Denise Battaglini, Andrea Meli, Minlan Yang, Joaquim Bobi, Ana Motos, Antoni Torres

PA1412 Evaluation of oxidative stress and outcomes of hospitalization for patients on mechanical ventilation
Joao Batista Raposo Mazullo Filho (Teresina (PI), Brazil), Silvia Bona, Elizang ela Schemitt, Fabiano Da Silva, F abio Di Naso, Luiz Forgiarini Junior, Alexandre Dias, Norma Marroni

PA1413 Incidence of orotraqueal extubation failure in oncological patients.
Ivan Peres Costa (S ao Paulo (SP), Brazil), Camilla Giovana Agu, Pedro Caruso, Indiara Soares De Oliveira, Celena Freire Friedrich

PA1414 INTERACTION BETWEEN THORACOABDMINAL MOTION AND NEONATAL VARIABLES IN PREMATURE INFANTS: A NUMERICAL DATA ANALYSIS
Ana Gabriela de Figueiredo Araujo (Santa Cruz, Brazil), Danielle Cristina Gomes, Ingrid Guerra Azevedo, Eduardo Lacerda Campos, Lorena Batista Louren o, Gentil Fonseca Filho, Simone Ribeiro, Silvana Alves Pereira

PA1415 Early physiotherapy in the clinical course of patients on Venovenous Extracorporeal Membrane Oxygenation.
Andrea Drago (Scandicci (FI), Italy), Manuela Bonizzoli, Chiara Lazzeri, Laura Tadini Boninsegni, Martina Donati, Simona Di Valvasone, Antonio Pesenti, Adriano Peris

PA1416 Chest physiotherapy for acute lobar/lung collapse in mechanically ventilated children: A UK survey
Elizabeth Johnson (London, United Kingdom), Helen Mercer, Amy Bridge, Emma Shkurka

PA1417 A survey examining Mechanical Insufflation-Exsufflation use in UK, adult intensive care units.
Ema Swingwood (Monmouthshire, United Kingdom), Lyvonne Tume, Fiona Cramp

PA1418 The largest occlusion time in maximum inspiratory pressure measurements in patients under mechanical ventilation can determine higher values to those calculated by the predictive formula: cross sectional study?
Rodrigo Tonella (Campinas, Brazil), Mariana Salles, Barbara Silva, Luciana Figueiredo, Aline Heidemann, Melaine Coelho, Antonio Falc o, Ligia Ratti

PA1420 Perioperative factors associated with postoperative health-related quality of life after surgical treatment in patients with non-small-cell lung cancer.
Masato Oikawa (Nagasaki, Japan), Masatoshi Hanada, Hiroki Nagura, Naoya Yamasaki, Tomoshi Tsuchiya, Keitaro Matsumoto, Takuro Miyazaki, Takeshi Nagayasu, Ryo Kozu

PA1421 Investigation of the Relationship Between Peak Expiratory Flow, Dyspnea, Functional Capacity, Pain and Fatigue in Patients Undergone Abdominal Surgery
Hazal Yakut (Izmir, Turkey),  mit Akay, Ismail  zsoy, Didem Karadibak

PA1422 Effects of breathing exercises in the postoperative period of bariatric surgery.
Tamires Mori (Piracicaba, Brazil), Rodrigo Zerbeto, Silvia Baruki, Jos e Eust aquio Souza-J unior, Daniela Berteli-Merino, Maura Rocha, Eli Maria Pazzianotto-Forti

PA1423 Can the Melbourne Scoring Scale be used to assess postoperative pulmonary complications in high-risk patients following lung resection?
Barbara Cristina Brocki ( lborg SV, Denmark), Elisabeth Westerdahl, Jane Andreasen, Jan Jesper Andreasen

- PA1424 Upper limbs musculoskeletal repercussion after lung resection**
Janet Rodriguez Torres (Granada, Spain), María Del Mar Lucena Aguilera, Florencio Quero Valenzuela, Laura López López, Irene Torres Sánchez, Ramón Romero Fernández
- PA1425 Investigation of the effects of neuromuscular electrical stimulation in patients with pulmonary arterial hypertension**
Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Agah Baran, Serap Acar, Ebru Ozpelit, Bahri Akdeniz, Ali Balci, Can Sevinc, Sema Savci
- PA1426 Pre-operative assessment of the relationship between 6MWD and kinesiophobia in coronary revascularization surgery**
Reyhan Kaygusuz (Istanbul, Turkey), Saadet Ufuk Yurdalan, Begüm Unlu
- PA1427 Does overweight/obesity influence cardiac autonomic modulation and functional performance in COPD exacerbation?**
Audrey Borghi-Silva (Sao Carlos (SP), Brazil), Alessandro Heubel, Erika Kabbach, Aline Agnoletto, Jessica Barbosa, Meliza Roscani, Valéria Pires-Di-Lorenzo, Renata Mendes
- PA1428 Physiotherapy treatment for hospitalized infants with acute breathing difficulties - a survey study.**
Sonja Andersson Marforio (Hjärup, Sweden), Annika Lundkvist Josenby
- PA1429 Factors associated with functional capacity performance in patients with lung cancer undergoing lung resection surgery**
Raquel Sebio Garcia (Mataró, Spain), Esther Giménez Moolhuizen, Isabel Yáñez Brage, Marta Salorio Riobo, Jose Maria Borro Mate

TP-41

Session 133

12:50 - 14:40

Thematic poster: Chronic lung disease : effects of rehabilitation interventions on functional outcomes in patients

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care Pulmonary vascular diseases Respiratory infections Interstitial lung diseases Respiratory infections

Method(s) : Epidemiology Respiratory intensive care Physiology Transplantation General respiratory patient care Public health

Chairs : Joana Patricia Santos Cruz (Albergaria-a-Velha, Portugal), Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Clancy Dennis (Canberra (ACT), Australia)

- PA1430 Comparison of sit-to-stand test and six-minute walk test in asthmatic and healthy children**
Aylin Tanriverdi (Izmir, Turkey), Buse Ozcan Kahraman, Ismail Ozsoy, Karya Polat, Asli Papurcu, Nazenin Hande Sezgin, Serap Acar, Gizem Atakul, Nevin Uzuner, Suna Asilsoy, Ozkan Karaman, Sema Savci
- PA1431 The minimal important difference for the 1-minute sit-to-stand test following pulmonary rehabilitation in patients with COPD – a prospective observational trial**
Tessa Schneeberger (Schönau am Königssee, Germany), Rainer Gloeckl, Inga Jarosch, Franziska Drechsel, Andreas Rembert Koczulla, Klaus Kenn
- PA1432 Comparison between six minutes walking test and three minutes step test in COPD patients.**
Marc Beaumont (Lannion, France), Antoine Losq, Loïc Péran, Catherine Le Ber, Gregory Reychler
- PA1433 Predictive equation for the unsupported upper limb exercise test (UULEX) in healthy adults.**
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Patrícia Rebelo, CáTia Paixao, Sara Almeida, Ana Luisa Araújo Oliveira
- PA1434 Reference values for the walking distance on the six-minute walk test in healthy children aged from 7 to 12 years in Brazil: The te6minbrasil multicentric study**
Lucas De Assis Pereira Cacau (Aracaju (SE), Brazil), Vitor Carvalho, Alessandro Pin, Carlos Daniel, Daisy Ykeda, Eliane Carvalho, Juliana Francica, Luiza Faria, Mansueto Gomes-Neto, Marcelo Fernandes, Marcelo Velloso, Marlus Karsten, Patrícia Barros, Valter Santana-Filho
- PA1435 Characteristic of four exercise tests in patients with idiopathic pulmonary fibrosis**
Shinichi Arizono (Hamamatsu (Shizuoka), Japan), Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Tomoya Ogawa, Fumiko Watanabe, Yuichi Tawara
- PA1436 Glittre-ADL performance with and without a backpack**
Liliane Mendes (Belo Horizonte (MG), Brazil), Lissa Spencer, Bill Zafiroopoulos, Veronica Parreira, Jennifer Alison
- PA1437 Glittre-ADL test performed in 3 laps as an alternative to the 5 laps test**
Liliane Mendes (Belo Horizonte (MG), Brazil), Lissa Spencer, Bill Zafiroopoulos, Veronica Parreira, Jennifer Alison
- PA1438 Intra- and interrater reproducibility of 6-minute walk test in patients with severe and very severe COPD**
Henrik Hansen (Dragør, Denmark), Nina Beyer, Anne Frølich, Nina Godtfredsen, Theresa Bieler

- PA1439 Intra- and interrater reproducibility of 30-seconds sit-to-stand test in patients with severe and very severe COPD**
Henrik Hansen (Dragør, Denmark), Nina Beyer, Anne Frølich, Nina Godtfredsen, Theresa Bieler
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- PA1440 The immediate effects of core stabilization exercise on pulmonary parameters**
Elif Develi (Istanbul, Turkey), Guzin Kaya Aytutuldu, Ayca Yagcioglu, Mehmet Alperen Pekdas, Rasmi Muammer, Arzu Ozdincler
-
- PA1441 Upper extremity aerobic exercise training improves exercise capacity in stem cell recipients**
Gülşah Barğı (Ankara, Turkey), Meral Boşnak GüçLü, Zübeyde Nur öZkurt, MüNci YağCı
-
- PA1442 Upper extremity aerobic exercise training improves peak oxygen consumption in patients with pulmonary arterial hypertension**
Burcu Camcioğlu (Ankara, Turkey), Meral Boşnak Güçlü, Müşerrefe Nur Keleş, Gülten Aydoğdu Taçoy, Atiye Çengel
-
- PA1443 COPD pulmonary rehabilitation - good enough for ILD patients?**
Kate Martin (Rotherham, United Kingdom), Gail Miles, Tracy Ward
-
- PA1444 The effects of aerobic training on respiratory muscle strength and exercise capacity in ankylosing spondylitis patients**
Harun Taskin (Denizli, Turkey), Orcin Telli Atalay, Mine Pekesen Kurtca, Elif Gür Kabul, Bilge Basakci Calik, Ali Yalman, Aysenur Yilmaz, Murat Yigit, Murat Tasci, Veli Cobankara
-
- PA1445 Effect of upper extremity strength training on functional arm and submaximal exercise capacity, fatigue severity and health-related quality of life in patients with chronic obstructive pulmonary disease**
Ebru Çalık Kütükcü (Ankara, Turkey), Hulya Arikan, Deniz Inal-Ince, Melda Saglam, Naciye Vardar-Yagli, Cigdem Oksuz, Tulin Duger, Sema Savci, Lutfi Coplu
-
- PA1446 Effects of eight weeks long supervised exercise training on exercise capacity and pulmonary function in patients after coronary artery bypass surgery**
Semiramis Ozyilmaz (Istanbul, Turkey), Hulya Nilgun Gurses, Melih Zeren, Gurkan Cetin
-
- PA1447 Effect of exercise on functional capacity and quality of life in scoliosis cases**
Cansu Varol (Istanbul, Turkey), Eren Timurtas, Mine Gulden Polat

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Session 134

12:50 - 14:40

Thematic poster: Chronic respiratory disease: respiratory muscle function, breathing exercises and airway clearance techniques

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Sleep and breathing disorders](#) [Thoracic oncology](#) [Respiratory infections](#)
[Respiratory infections](#)

Method(s) : Epidemiology Physiology Public health Respiratory intensive care General respiratory patient care

Chairs : Rachael A. Evans (Market Harborough (Leicestershire), United Kingdom), Kathleen Grant (Lausanne, Switzerland), Carlos Augusto Camillo (Londrina (PR), Brazil), Rik Gosselink (Leuven, Belgium)

- PA1448 Late Breaking Abstract - Primary care providers' fidelity to a brief asthma shared decision-making intervention**
Maureen George (New York, United States of America), Allison A. Norful, Annie Chung, Jean-Marie Bruzzese, Michael V. Pantalon
-
- PA1449 The effects of functional inspiratory muscle training in geriatric individuals with and without chronic obstructive pulmonary disease**
Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Gulsah Ozsoy, Nursen Ilcin, Nil Tekin, Sema Savci
-
- PA1450 Effects of inspiratory muscle training on cardiac autonomic control**
Raphael Martins Abreu (Bauru, Brazil), Patricia Rehder-Santos, Ettore Signini, Camila Sakaguchi, Cláudio Silva, Carla Dato, Aparecida Catai
-
- PA1451 The effect of breathing exercises on Sleep Quality during Pregnancy among Primigravida.**
amrit kaur (Nashik (Maharashtra), India), Mahesh Mitra
-
- PA1452 Effect of expiratory muscle strength training on cough and swallowing in patients with dysphagia following stroke**
Yuichi Tawara (Hamamatsu, Japan), Ichiro Fujishima, Norimasa Katagiri, Shinichi Arizono, Shohei Ohgi, Ryo Kozu
-
- PA1453 Pursed lips breathing can improve desaturation during flying disc game in COPD patients.**
Kyosuke Imashiro (Wakayama city, Japan), Yoshiaki Minakata, Atsushi Hayata, Masanori Nakanishi, Yoshihiro Kamiyo, Takahiro Ogawa, Yumi Koike, Nobuyuki Yamamoto
-
- PA1454 Singing for Lung Health: Evaluation of the British Lung Foundation programme.**
Adam Lewis (Enfield, United Kingdom), Phoebe Cave, Nicholas S. Hopkinson

- PA1455** **Respiratory muscle strength, respiratory muscle endurance, functional capacity and cognitive status in lung cancer patients**
Ebru Çalık Kütükcü (Ankara, Turkey), Kubra Kilic, Naciye Vardar-Yagli, Melda Saglam, Deniz Inal-Ince, Hulya Arikan, Saadettin Kilickap
- PA1456** **Maximal respiratory pressures are associated to symptomatic pelvic organ prolapse in middle-aged and older women: an epidemiological study in Northeast Brazil**
Ingrid Guerra Azevedo (Natal (RN), Brazil), Silvana Sousa, Elizabel Viana, Diego Dantas, Álvaro Maciel, Saionara Câmara
- PA1458** **Electromyographic and measurement of maximum expiratory pressure in neurological patients: prospective study**
Rodrigo Tonella (Campinas, Brazil), Ila Velludo, Jessica Nascimento, Gabriela Nahas, Aline Heidemann, Luciana Figueiredo, Antonio Falcao, Lidiane Souza, Daniela Faez
- PA1460** **The effect of high-frequency oscillatory vibration on peak expiratory flow generated by a MI-E cough assist device in a mechanical lung model**
Ya'akov (Kobi) Dagan (Ramat-Hasaron, Israel), Michael J. Segel, Eli Carmeli
- PA1461** **Does Pseudomonas aeruginosa infection alter sputum viscoelastic properties in bronchiectasis patients?**
Victoria Alcaraz Serrano (Barcelona, Spain), Joan Llorens-Llacuna, Elena Gimeno-Santos, Albert Gabarrús, Beatriz Herrero-Cortina, Edmundo Rosales-Mayor, Laia Fernández-Barat, Eva Polverino, Rosanel Amaro-Rodriguez, Antoni Torres-Marti
- PA1462** **Flows and volumes during Mechanical Insufflation-Exsufflation in a pediatric lung model**
Brit Hov (Oslo, Norway), Tiina Andersen, Michel Toussaint, Ove Fondenes, Vegard Hovland
- PA1463** **Short-term effects of respiratory physiotherapy in infants with bronchiolitis and outpatient care: A multicentre study**
Rodrigo Torres-Castro (Santiago, Chile), Vanesa Gonzalez Bellido, Maria Torrente Regidor, Jose Luis Arias Buría, Mª Del Camen Jimeno Esteo, Rubén García Caraballo, Verónica Velaz Baza
- PA1464** **High-frequency chest wall compression in mild and moderate bronchiolitis: a clinical trial**
Rodrigo Torres-Castro (Santiago, Chile), Vanesa Gonzalez Bellido, Verónica Velaz Baza, María Torrente Regidor, César Fernández-De-Las-Peñas, José Luis Arias-Buría
- PA1465** **Comparison of the effects of comprehensive chest physiotherapy alone and combined with inspiratory muscle training in children with cystic fibrosis**
Melih Zeren (Istanbul, Turkey), Hulya Nilgun Gurses, Erkan Cakir

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Session 135

12:50 - 14:40

Thematic poster: Chronic respiratory disease : determinants of physical activity in patients

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Thoracic oncology](#) [Interstitial lung diseases](#) [Sleep and breathing disorders](#)

Method(s) : Public health Transplantation General respiratory patient care

Chairs : Jordi Vilari Casamitjana (Barcelona, Spain), Andre Nyberg (Umeå, Sweden), Maria Koulopoulou (London, United Kingdom), Jana De Brandt (Diepenbeek, Belgium)

- PA1466** **Physical activity and clinical outcomes in patients with interstitial lung disease: how large is the impairment? – Preliminary results**
Humberto Silva (Londrina, Brazil), Wagner F Aguiar, Aline F L Goncalves, Thatielle G Silva, Walter A S Loyola, Paulo S Pereira, Vanessa S Probst, Fabio Pitta, Carlos A Camillo
- PA1467** **Validation of the rapid assessment of physical activity questionnaire (RAPA) in COPD patients**
Ridvan Aktan (balcova (izmir), Turkey), Sevgi Ozalevli, Gamze Yalcinkaya, Aylin Ozgen Alpaydin, Can Sevinc
- PA1468** **Exercise capacity, physical activity, quality of life in newly diagnosed hematologic malignancies**
Zeliha Celik (Ankara, Turkey), Meral Boşnak Güçlü, Zübeyde Nur Özkurt
- PA1469** **Determinants of physical inactivity in hematopoietic stem cells recipients**
Gülşah Barğı (Ankara, Turkey), Meral Boşnak Güçlü, Zübeyde Nur Özkurt, Münici Yağcı
- PA1470** **Physical activity levels of children with cystic fibrosis and their parents: Pilot study**
Çiğdem Emirza (İstanbul, Turkey), Goksen Kuran Aslan, Ayse Ayzit Atabek, Haluk Cokugras
- PA1471** **Relationship between educational sessions in addition to exercise training and improvements in quality of life and physical activity in COPD: Preliminary results.**
(), Leticia F Belo, Lorena P Schneider, Thaís R Paes, Nidia A Hernandez, Fabio Pitta
- PA1472** **Assessment of sleep quality in children with asthma**
Meltem Ramoglu (İstanbul, Turkey), Hikmet Ucgun, Zeynep Hosbay

- PA1473** **Correlations between two instruments measuring sleep quality in patients with ILD: Preliminary results**
Wagner F Aguiar (Londrina, Brazil), Humberto Silva, Thatielle G Silva, Aline F L Gonçalves, Jéssica Fonseca, Walter A Sepúlveda, Paulo S Pereira, Vanessa S Probst, Fabio Pitta, Carlo A Camillo
-
- PA1474** **THE EFFECTS OF SMOKING ON PAIN THRESHOLD AND PAIN TOLERANCE**
Yasin Ekinci (Ankara, Turkey), Esra Ateş Numanoğlu, Oznur Tunca Yilmaz, Ipek Alemdaroglu, Ayse Karaduman, Cigdem Oksuz
-
- PA1475** **The effect of kinesiophobia in pulmonary hypertension**
Ozge Ertan (İstanbul, Turkey), Goksen Kuran Aslan, Buket Akinci, Nigar Gulfer Okumus
-
- PA1476** **Determination and comparison of fatigue in obstructive pulmonary diseases**
Seda Saka (Istanbul, Turkey), Ebru Calık Kutukcu, Ozge Ozalp, Deniz Inal Ince, Melda Saglam, Naciye Vardar Yağlı, Meral Bosnak Guclu, Hulya Arikan, Lutfi Coplu, Sema Savci
-
- PA1477** **Contenance Assessment in Paediatric Patients with Primary Ciliary Dyskinesia**
Amanda Harris (Southampton (Hampshire), United Kingdom), Victoria Keenan, Hannah Wilkins, Amanda Friend
-
- PA1478** **Do cancer treatments affect pain perception?**
Ebru Çalık Kütükcü (Ankara, Turkey), Kubra Kilic, Naciye Vardar-Yagli, Melda Saglam, Deniz Inal-Ince, Hulya Arikan, Saadetin Kilickap
-
- PA1479** **Investigation of associations between functional performance, physical activity level and sleep quality in adults with Down's Syndrome**
Meltem Ramoglu (İstanbul, Turkey), Hikmet Ucgun, Ertugrul Safran, H. Nilgun Gurses
-
- PA1480** **Comparison of Respiratory Muscle Strength, Kinesiophobia and Fatigue Perception in Patients with Liver Transplantation and Healthy Subjects**
Naciye Vardar Yağlı (Ankara, Turkey), Bilge Taşkın, Ebru Calik Kutukcu, Melda Saglam, Deniz Inal-Ince, Hulya Arikan, Ahmet Bulent Dogrul
-
- PA1481** **Relationship between maximal exercise capacity and activities of daily living in patients with GOLD stage II-III chronic obstructive pulmonary disease**
Naciye Vardar Yağlı (Ankara, Turkey), Haluk Tekerlek, Ebru Calik Kutukcu, Hulya Arikan, Deniz Inal-Ince, Melda Saglam, Cigdem Oksuz, Tulin Duger, Sema Savci, Cemile Bozdemir-Ozel, Aslihan Cakmak, Hazal Sonbahar-Ulu, Beyza Nur Karaduz, Lutfi Coplu
-
- PA1482** **The relationship between six minutes walking work, respiratory parameters and activities of daily life in patients with interstitial lung disease**
Goksen Kuran Aslan (Bakirkoy - Istanbul, Turkey), Ozge Ertan, Buket Akinci, Pinar Odevoglu, Melike Saritas, Nigar Gulfer Okumus
-
- PA1483** **Comparison of fatigue, exercise capacity, physical activity, and quality of life in asthmatic patients with low and high symptom scores**
Naciye Vardar Yağlı (Ankara, Turkey), Hazal Sonbahar Ulu, Deniz Inal Ince, Aslihan Cakmak, Cemile Bozdemir Ozel, Melda Saglam, Ebru Calik Kutukcu, Hülya Arikan, Gül Karakaya, Ali Fuat Kalyoncu
-
- PA1484** **Relationship between disease knowledge and functional perception in COPD patients and their caregivers.**
Ramón Romero Fernández (Granada, Spain), Tomás Muñoz Casaubón, Janet Remedios Rodríguez Torres, María Del Mar Lucena Aguilera, Laura López López, Irene Torres Sánchez

TP-44

Session 136

12:50 - 14:40

Thematic poster: Chronic respiratory disease: effects of rehabilitation interventions in patients

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory infections Interstitial lung diseases Respiratory critical care
Respiratory infections

Method(s) : Transplantation Public health Imaging Respiratory intensive care Surgery General respiratory patient care

Chairs : Melda Saglam (Ankara, Turkey), Shakila Devi Perumal (Dunlaoghaire (Co Dublin), United Kingdom), Deniz Inal-Ince (Ankara, Turkey), Cristina Isabel Oliveira Jácome (Viatodos, Portugal)

- PA1485** **Stem cell recipients versus healthy subjects regarding exercise tolerance and muscle strength**
Gülşah Barğı (Ankara, Turkey), Meral Boşnak GüçLü, GüLsan TürKöz Sucak

- PA1486** **A network analysis of clinical characteristics of patients with COPD: partial results.**
Antenor Rodrigues (Londrina (PR), Brazil), Carlos Augusto Camillo, Pedro Cerqueira, Felipe Vilaça Cavalari Machado, Leticia Belo, Lorena Paltain Schneider, Jessica Fonseca, Thais Paes, Nidia Aparecida Hernandez, Fabio Pitta

- PA1487** **The reaction time and exercise tolerance in patients with cystic fibrosis and healthy controls**
Jan Dik (Ankara, Turkey), Melda Sağlam, Naciye Vardar Yagli, Cemile Bozdemir Ozel, Ebru Calik Kutukcu, Deniz Inal Ince, Haluk Tekerlek, Hulya Arikan, Sanem Esref, Deniz Dogru Ersoz
- PA1488** **Predictors of exercise-induced oxygen desaturation in subjects with chronic obstructive pulmonary disease**
Andrea Akemi Morita (Londrina (PR), Brazil), Felipe Machado, Antenor Rodrigues, Lorena Schneider, Nidia Hernandez, Fabio Pitta, Vanessa Probst
- PA1489** **Relationship between family function and exercise capacity and inspiratory muscle strength in COPD**
Cátia Filipa Pinto da Paixão (Guarda, Portugal), Patricia Rebelo, Ana Oliveira, Cristina Jácome, Joana Cruz, Célia Freitas, Helena Loureiro, Marília Rua, Pedro Ferreira, Alda Marques
- PA1490** **Sex differences in COPD patients users of long-term oxygen therapy**
Sílvia Regina Valderramas (Curitiba (PR), Brazil), Camila Mazzarin, Demetria Kovelis, Samia Kalil Biazim
- PA1491** **Quality of life and exercise capacity in patients with primary ciliary dyskinesia**
Merve Firat (Ankara, Turkey), Meral Boşnak Güçlü, Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan
- PA1492** **Arterial stiffness, hemodynamic and functional profile at exacerbation and recovery in COPD**
Renata Mendes (Sao Carlos (SP), Brazil), Aline Agnoletto, Alessandro Heubel, Erika Kabbach, Audrey Borghi-Silva, Shane Phillips, Valéria Pires Di Lorenzo, Meliza Roscani, Rodrigo Jaenisch
- PA1493** **Triangulated perspectives on outcomes used in pulmonary rehabilitation of patients with COPD**
Sara Souto de Miranda (Aveiro, Portugal), Alda Marques
- PA1494** **Why are COPD patients unable to complete the outpatient pulmonary rehabilitation program?**
Ilknur Naz (Izmir, Turkey), Hulya Sahin
- PA1495** **Assessing caregiving experience in COPD: content validity of the Zarit Burden Interview**
Joana Patricia Santos Cruz (Albergaria-a-Velha, Portugal), Alda Marques, Sara Miranda, Roger Goldstein, Dina Brooks
- PA1496** **Interacting with primary care – experiences of patients with COPD. A qualitative study**
Sara Lundell (Umeå, Sweden), Karin Wadell, Maria Wiklund, Malin Tistad
- PA1497** **The effect of nutritional support on pulmonary rehabilitation outcomes in COPD patients with low body mass index**
Ilknur Naz (Izmir, Turkey), Hulya Sahin
- PA1498** **Physical function performance and recovery of patients undergoing abdominal surgery in relation to post-operative complications—A prospective real world study.**
Mary Flahive (Limerick, Ireland), James O Driscoll, Julie Broderick
- PA1499** **Are paper-based forms and telephone interview equivalent modes of administration for the Control of Allergic Rhinitis and Asthma Test (CARAT)?**
Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Rui Guedes, Rute Almeida, Filipa Lopes, Ana Margarida Pereira, Luis Araújo, Mariana Couto, Mariana Pereira, Cristina Lopes, José Carlos Cidrais Rodrigues, Georgeta Oliveira, Ana Paula Aguiar, Ivete Afonso, Alberto Costa, Armandina Silva Neto, Marta Santalha, João Almeida Fonseca
- PA1500** **Presence of adventitious lung sounds (LS) differ between spontaneous and standardized breathing**
Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Juan Carlos Aviles-Solis, Áshild Myrnes Uhre, Hans Pasterkamp, Hasse Melbye
- PA1501** **Regional lung ventilation and its distribution in patients with stroke-induced hemiparesis in sitting position**
Shirley Campos (Recife (PE), Brazil), Catarina Rattes, Wagner Leite, Thiago Gonçalves, Caio Morais, Daniella Brandão, Armele Dornelas De Andrade

TP-45

Session 137

12:50 - 14:40

Thematic poster: Contemporary respiratory care: symptoms, the role of the nurse and the organisation of care

Disease(s) : Respiratory infections Respiratory critical care Airway diseases Sleep and breathing disorders Thoracic oncology
Respiratory infections

Method(s) : Transplantation Public health Endoscopy and interventional pulmonology Epidemiology Respiratory intensive care
General respiratory patient care

Chairs : Anne-Marie Russell (London, United Kingdom), Katleen Leceuvre (KESSEL-LO, Belgium), Andreja Sajnic (Zagreb, Croatia), Janelle Yorke (Manchester (Greater Manchester), United Kingdom)

- PA1502** **The structure and characteristics of hospital-based programs for COPD: a scoping review**
Loretta McCormick (Cambridge (ON), Canada), Carol Wong, Mickey Kerr, Yolanda Babenko-Mould

- PA1503 Contemporary tracheostomy clinical management in respiratory wards: A continuous quality improvement program**
Chun Kit Lo (Hong Kong, Hong Kong), Y.F. Chan, M.W. Choi, P.F. Chan, Y.Y. Chan, C.L. Poon, C.M. Chu,
- PA1504 The role of a nurse active listening and counseling skills are imperative orientation toward patient**
Aleksandra Trupkovic (Duga Resa, Croatia), Andreja Sajnic, Tanja Zovko, Kristina Vuger, Vida John
- PA1505 Does lung transplantation affect on the improvement of psychological status in patients with adult cystic fibrosis?**
Ivana Lalic (Zagreb, Croatia), Andrea Vukic Dugac, Tanja Zovko, Andreja Sajnic, Vida John, Ana Mustac, Milica Tepavac, Dorian Tjesic-Drinkovic, Duska Tjesic-Drinkovic, Miroslav Samarzija
- PA1506 Anxiety and depression in adult patients with cystic fibrosis in Croatia: results from adult CF centre**
Ivana Lalic (Zagreb, Croatia), Andrea Vukic Dugac, Tanja Zovko, Andreja Sajnic, Vida John, Ana Mustac, Milica Tepavac, Dorian Tjesic-Drinkovic, Duska Tjesic-Drinkovic, Miroslav Samarzija
- PA1507 Obstructive sleep apnea and specific cardiovascular outcomes**
Andreja Sajnic (Zagreb, Croatia), Aleksandra Trupkovic, Tanja Zovko, Sandra Karabatic, Ivana Lalic, Miroslav Samarzija
- PA1508 Hidden tuberculosis - team work in preventing the spread of infection**
Aleksandra Trupkovic (Duga Resa, Croatia), Andreja Sajnic, Tanja Zovko, Kristina Vuger, Vida John
- PA1509 Contents of nurse-led interventions for the promotion of self-management in COPD patients: a systematic literature review**
Miguel Padilha (Porto, Portugal), Paulo Machado, Ana Ribeiro, José Ramos, Carolina Pinho, Francisco Vieira
- PA1510 Chronic pain after lung transplantation**
Ivana Lalic (Zagreb, Croatia), Tanja Zovko, Andreja Sajnic, Sandra Karabatic, Ana Zivkusic, Aleksandra Trupkovic, Ana Hecimovic, Latinka Basara, Gordana Pavlisa, Miroslav Samarzija
- PA1511 Effects of anxiety and depression on quality of life in Chronic Obstructive Pulmonary Disease patient-caregiver dyads**
Dhurata Ivziku (Roma (RM), Italy), Marco Clari, Maria Matarese
- PA1512 Patients initial experiences of sleep apnea CPAP treatment**
Kirsten Hald Nielsen (Svendborg, Denmark), Anne Dichmann Sorknaes, Bettina Nissen Pedersen
- PA1513 Real-time symptom monitoring of dyspnea via ecological momentary assessment**
Sarah Miller (Mt Pleasant, United States of America), Ronald Teufel II, Erin Silverman
- PA1514 The effect of tobacco smoke on paediatric respiratory disorders during sleep.**
Anna Doboszyńska (Olsztyn, Poland), Anna Włodarska
- PA1515 Study on The Correlation between Alexithymia and Social Support of Nurses in ICU**
Xin Zhong (Changchun (Jilin), China), Hongjing Lin, Xueli Zhang
- PA1516 Relationship of anxiety and depression with sociodemographic characteristics in hospitalized patients with chronic obstructive pulmonary disease**
Azra Hodzic (Dubranec, Croatia), Andreja Sajnic, Kornelija Erdelja, Ana Podnar, Ivana Barisic, Kristina Pauker, Tanja Zovko, Sladana Rezic, Zrinka Pukljak Iricanin
- PA1517 Investigation of The Factors Affecting Psychosocial Adjustment To COPD**
Selman celik (Istanbul, Turkey), Hediye Arslan Ozkan
- PA1518 Admission to the ICU: risk for the development of anxiety and depression**
Azra Hodzic (Dubranec, Croatia), Andreja Sajnic, Kornelija Erdelja, Ana Podnar, Ivana Barisic, Kristina Pauker, Tanja Zovko, Sladana Rezic, Zrinka Pukljak Iricanin
- PA1519 Patient perspectives and experience on the diagnostic pathway of lung cancer – a qualitative study**
Helle Marie Christensen (Tommerup st., Denmark)
- PA1520 Examination of Smoking, Depression, Sleep Apnea and Dyspnea Situations in Elderly Individuals**
Arslan Ozkan Hediye (Istanbul, Turkey), Selman celik, Hediye Arslan Ozkan
- PA1521 A nurse-based organizational model to conduct clinical trials in respiratory diseases: experience from Palma de Mallorca**
Meritzell López Zamora (Palma De Mallorca, Spain), Angel Ríos Olivencia, Amanda Iglesias Coma, Catalina Aguiló Monjo, Margalida Ensenyat Catalunya, Nuria Toledo-Pons, María Maciá Palazón, Antonio Clemente Ximenis, Patricia Tortosa Montojo, Ernest Sala Llinàs, Borja G. Cosio Piqueras

7.3A Session 138 13:00 - 14:30**Lunchtime session: Advances in idiopathic pulmonary fibrosis treatment, tracheobronchial reconstruction using bioengineering and clinical prediction rules for diagnosing pulmonary embolism****A joint ERS/JAMA lunchtime session**

Aims : (i) To review the current treatments for idiopathic pulmonary fibrosis (IPF), with a particular focus on a novel treatment that was recently reported in the Journal of the American Medical Association (JAMA); (ii) to review the current approaches to tracheobronchial reconstruction in thoracic surgical oncology, with particular attention to a novel approach that was recently reported in JAMA; and (iii) to review the clinical prediction rules that are used to evaluate patients who present with symptoms or signs that are suggestive of pulmonary embolism, with a particular focus on the relevant randomised clinical trial evidence that was recently reported in JAMA.

Disease(s) : [Interstitial lung diseases](#) [Thoracic oncology](#)

Method(s) : General respiratory patient care Surgery Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : George O'Connor (Boston, United States of America), Toby Maher (St. Albans (Hertfordshire), United Kingdom)

13:00	Advances in the treatment of idiopathic pulmonary fibrosis Ganesh Raghu (Seattle, United States of America)	1522
13:30	Advances in tracheal and bronchial reconstruction using bioengineering approaches Emmanuel Martinod (Bobigny, France)	1523
14:00	Advances in the clinical prediction rules that are used to assess patients with possible pulmonary embolism Yonathan Freund (Paris, France)	1524

7.3Z1 Session 139 13:00 - 14:30**Championship: Respiratory championship****Become a champion in respiratory medicine**

Aims : to watch four teams compete in a state-of-the-art review of the major fields of respiratory medicine. The audience will be able to participate as well by answering the questions with their mobile devices.

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Student, Trainee

Chairs : Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)

	Introduction Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)	1525
	Airfel Tower Marion Ferreira (La Riche, France), Maeva Zysman (Montreuil, France), Simon Valentin (Nancy, France)	1526
	Aeropassion Ana-Maria Zaharie (Bucarest, Romania), Valentin Caius Cosei (Bucuresti (Sector 3), Romania), Andrei Lesan (Cluj (Cluj Napoca), Romania)	1527
	The Wonderpuls Rottem Kuint (Jerusalem, Israel), Lilach Israeli-Shani (Tel Aviv, Israel), Ori Wand (Kfar Sava, Israel)	1528
	BREATHCON2 Tiago Alfaro (Coimbra, Portugal), Paulo Miguel Sotto Mayor Moreira De Matos (Braga, Portugal), Pedro Gonçalo De Silva Ferreira (Coimbra, Portugal)	1529

7.3B Session 140 13:00 - 14:15**Assembly members' meeting: Assembly 4 Clinical physiology and sleep**

Chairs : Andrea Aliverti (Milan, Italy), Pierantonio Laveneziana (Paris Cedex 13, France)

7.3K Session 141 13:00 - 14:15**Assembly members' meeting: Assembly 2 Respiratory intensive care**

Chairs : Raffaele Scala (Arezzo, Italy), Leo M.A. Heunks (Amsterdam, Netherlands)

7.3Q Session 142 13:00 - 14:15

Assembly members' meeting: Assembly 10 Respiratory infections

Chairs : Graham H. Bothamley (London, United Kingdom), Eva Polverino (Barcelona, Spain)

7.3M Session 143 13:00 - 14:15

Assembly members' meeting: Assembly 8 Thoracic surgery and transplantation

Chairs : Geert Verleden (Leuven, Belgium), Stefano Elia (Roma (RM), Italy)

7.3O Session 144 13:00 - 14:15

Assembly members' meeting: Assembly 12 Interstitial lung diseases

Chairs : Venerino Poletti (Forli, Italy), Katerina Antoniou (Heraklion, Greece)

7.3P Session 145 13:00 - 14:15

Assembly members' meeting: Assembly 11 Thoracic oncology

Chairs : Bogdan Dragos Grigoriu (Bruxelles, Belgium)

7.2B Session 146 13:00 - 14:15

Lungs on fire: Interstitial Lung Diseases & Respiratory Infections

- Aims :**
- Study real challenging clinical cases
 - Learn and exchange ideas with a panel of respiratory experts
 - Discuss the various diagnosis and treatment options

Disease(s) : Interstitial lung diseases Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, Paediatrician, Thoracic oncologist, Nurse, Radiologist, Trainee**Chairs :** Vincent Cottin (Lyon, France), António Morais (Maia, Portugal), Luca Richeldi (Roma, Italy), Bruno Crestani (Paris, France)

Session facilitator introduction Pierre-Régis Burgel (Sorbonne Paris Cité, France)	1530
Case 1 - Author: S. Yamawaki (Tokyo, Japan)	1531
Case 2 - Author: A. Shiroshita (Kamogawa, Japan)	1532
Case 3 - Author: J-B. Duquenne (Liège, Belgium)	1533
Case 4 - Author: C. Debrus (Luxembourg, Luxembourg)	1534
Case 5 - Author: A. He imovi (Zagreb, Croatia)	1535

7.2D Session 147 13:00 - 14:00

Meet the expert: ME1 Endoscopic lung volume reduction

Aims : to present and discuss the different endoscopic lung volume reduction techniques based on the actual evidence in cases, and to analyse possible complications, limitations and contraindications.**Disease(s) :** Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Physiotherapist, Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician**Chairs :** Péter Horváth (Budapest, Hungary)

13:00 Endoscopic lung volume reduction Felix J.F. Herth (Heidelberg, Germany)	1536
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7.3J Session 148 13:00 - 14:15

Assembly members' meeting: Assembly 13 Pulmonary vascular diseases

Chairs : Marion Delcroix (Leuven, Belgium), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

7.3E Session 149 13:00 - 14:00

Meet the expert: ME2 Lung microbiome: study design and standardisation

Aims : to review the novel detection and cultivation techniques used in lung microbiome studies; and to outline and explain the obstacles and opportunities associated with lung microbiome studies, with a focus on the important and sometimes unmet need for controls, the required experimental procedures and the guidelines for the analysis.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee

Chairs : Sabine Bartel (Borstel, Germany)

13:00 **Lung microbiome: study design and standardisation** 1537
Debby Bogaert (Edinburgh, United Kingdom)

7.3I Session 150 13:00 - 14:00

Meet the expert: ME4 Mucus clearance techniques across respiratory care settings

Aims : To provide an update on the current expert experience and scientific evidence regarding the use of mucus clearance techniques in various respiratory care settings.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : General respiratory patient care Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Nurse, Paediatrician, Patient, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

13:00 **Plethysm techniques** 1538
Christian Osadnik (Melbourne, Australia)

13:15-14:30

INDUSTRY PRACTICAL WORKSHOP

SEE PAGE 1

7.3U Session 155 13:15 - 14:15

Meet the expert: ME3 Bronchoscopic evaluation of recurrent/persistent pneumonia in children

Aims : to discuss the role of flexible bronchoscopy when evaluating recurrent or persistent pneumonia in children that remains otherwise unexplained by noninvasive diagnostic tests.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : General practitioner, Paediatrician, Patient, Student, Trainee

Chairs : Michele Ghezzi (Bergamo, Italy)

13:15 **Bronchoscopic evaluation of recurrent/persistent pneumonia** 1557
Bülent Taner Karadag (Istanbul, Turkey)

7.3T Session 161 14:30 - 16:50

Skills workshop: SW6 Endoscopy

Hands-on workshop on endoscopic technologies

Aims : to present and demonstrate the current and upcoming technologies in endoscopy.

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, Paediatrician, General practitioner, Thoracic oncologist, Adult pulmonologist/Clinician, Thoracic surgeon

Chairs : Felix J.F. Herth (Heidelberg, Germany)

Introduction	1570
Endobronchial valve placement Sebastian Fernandez Bussy (Santiago, Chile)	1571
Paediatric bronchoscopy Raffaella Nenna (Rome, Italy)	1572
Cryobiopsy Alexander Chen (St. Louis, United States of America)	1573
Endobronchial ultrasound with transbronchial needle aspiration Mark Krasnik (Hellerup, Denmark)	1574

7.3V Session 162 14:30 - 16:50

Skills workshop: SW3 Body plethysmography

Aims : to help attendees gain the technical expertise and physiological knowledge needed to perform full body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the system setup, quality control and calibration; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Nurse, Lung function technologist, Paediatrician, Physiologist, Student, Trainee

Chairs : Frans H.C. De Jongh (Enschede, Netherlands)

Introduction	1575
Calibration, quality control and system settings Maureen P. Swanney (Christchurch, New Zealand)	1576
Technical aspects of body plethysmography Kevin De Soomer (Burcht, Belgium)	1577
Standardisation of test performance Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)	1578
Reporting and interpretation of case studies Gilles Garcia (Le Kremlin-Bicêtre, France)	1579

7.3U Session 163 14:30 - 16:30

Professional development: PDW4 How to deal with difficult employees and co-workers

Strategies for working with direct reports and co-workers

Aims : Participants will increase their ability to develop effective approaches to dealing with challenging situations, to use effective communication skills to raise concerns and to identify difficult personality types and utilise specific strategies for dealing with them.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Louellen N. Essex (Wayzata, United States of America), Nicolino Ambrosino (Livorno (LI), Italy)

What makes a situation challenging? Louellen N. Essex (Wayzata, United States of America)	1580
How to implement a communication approach: a step-by-step guide Louellen N. Essex (Wayzata, United States of America)	1581

How to manage difficult situations Louellen N. Essex (Wayzata, United States of America)	1582
How to use a coping technique when communication does not work Louellen N. Essex (Wayzata, United States of America)	1583
Summary Louellen N. Essex (Wayzata, United States of America)	1584
Question and answer session Louellen N. Essex (Wayzata, United States of America)	1585

7.3A Session 164 14:45 - 16:45

Year in review: Paediatric Year in Review

Aims : The audience will be updated in four topics in paediatric respiratory medicine. The most recent and significant literature and developments relating to these topics will be highlighted.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Epidemiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jonathan Grigg (London, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

14:45	What's new in cystic fibrosis? Ian Balfour-Lynn (London, United Kingdom)	1586
15:15	What's new in paediatric asthma? Stanley J. Szeffler (Denver, United States of America)	1587
15:45	What's new in neonatology? Irwin K. M. Reiss (Rotterdam, Netherlands)	1588
16:15	What can we learn from paediatric cohort studies? Claudia E. Kuehni (Bern, Switzerland)	1589

7.3N Session 165 14:45 - 16:45

Symposium: State of the art session: Sleep and breathing disorders

Dyspnoea, brain and sleep disorders

Aims : Breathlessness debilitates millions of people with chronic illness and is an “all-consuming and life-changing” experience that is subjective and intensely personal and associates with profound fear. It is the primary symptom in chronic obstructive pulmonary disease (COPD). The severity of breathlessness is frequently discordant with airway pathophysiology. Obstructive sleep apnoea (OSA) is a disorder of breathing during sleep that temporarily reduces cerebral oxygenation and disrupts sleep. A growing body of research shows that OSA associates with a relatively consistent pattern of deficits in cognition, particularly in attention, episodic memory and executive function. These deficits can be partially remediated by treatment. Despite a number of competing hypotheses that explain how OSA affects cognition, reliable evidence is hard to find. This may relate to the many conditions that are commonly comorbid with OSA or to the methodological challenges in this field. This state of the art session will elucidate the intimate relationship between the brain and the breathing “disorders” in chronic respiratory conditions.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Imaging Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, Physiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician

Chairs : Andrea Aliverti (Milan, Italy), Pierantonio Laveneziana (Paris Cedex 13, France)

14:45	Clinical dyspnoea: brain mechanisms and their clinical impact on brain functions Thomas Similowski (Paris Cedex 13, France)	1590
15:15	Treating breathlessness via the brain Andreas von Leupoldt (Leuven, Belgium)	1591
15:45	OSA and cognition ivana Rosenzweig (London, United Kingdom)	1592

16:15 **Hypoxia, arousals, breathing effort: a roadmap to comorbidities?** 1593
Silke Ryan (Dublin 14, Ireland)

7.1A Session 166 14:45 - 16:45

Symposium: Current and evolving tests in lung function: pro/con debate

Aims : to stage pro and con debates that will challenge our perceptions of current and evolving tests in lung function assessment. Three pro and con debates, each involving two speakers, will be presented. In each debate, the speakers will each deliver a sharp 12 minute presentation and there will be a 10 minute open discussion after both speakers have spoken. Thereafter, an update on the Global Lung Function Initiative (GLI) will be provided.

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Irene Steenbruggen (Zwolle, Netherlands), Nicolas Roche (Paris, France)

14:45 **FEV1 is helpful in respiratory medicine - pro** 1594
Roberto Rodriguez Roisin (Barcelona, Spain)

15:02 **FEV1 is helpful in respiratory medicine - con** 1595
Omar S. Usmani (London, United Kingdom)

15:19 **Forced oscillation technique is ready for screening respiratory disease - pro** 1596
Ronald Dandurand (Beaconsfield (QC), Canada)

15:36 **Forced oscillation technique is ready for screening respiratory disease - con** 1597
Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)

15:53 **Multiple breath washout technique is a helpful clinical tool for assessing respiratory disease - pro** 1598
Bruce Thompson (Melbourne, Australia)

16:10 **Multiple breath washout technique is a helpful clinical tool for assessing respiratory disease - con** 1599
Philipp Latzin (Bern, Switzerland)

16:27 **Current challenges and future directions of the Global Lung function Initiative (GLI)** 1600
Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

7.1B Session 168 14:45 - 16:45

Symposium: Air pollution and transplantation: near to one's heart and lungs!

Aims : This session highlights recent findings regarding air pollution and its detrimental effects on lung transplant recipients world-wide.

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Patient, Policy maker, Scientist (basic, translational), Student, Adult pulmonologist/Clinician

Chairs : Chair to be confirmed

14:45 **Linking ambient particulate matter pollution effects with oxidative biology and immune responses** 1605
Frank J. Kelly (London, United Kingdom)

15:15 **Respiratory effects of outdoor air pollution** 1606
Speaker to be confirmed

15:45 **Ambient air pollution and clinical implications in transplant recipients** 1607
Speaker to be confirmed

16:15 **Policy actions to reduce the burden of disease associated with air pollution: recommendations of a WHO/Europe project** 1608

7.3C Session 169 14:45 - 16:45

Symposium: Interstitial lung disease: an interdisciplinary approach

Translating quality standards from paper to practice

Aims : to show how a person-centred integrated approach to the management of idiopathic pulmonary fibrosis (IPF) is fundamental to delivering high quality care to adults with IPF. Specific aims are as follows: to demonstrate the impact of the specialised nurse on the quality of care delivered to patients with interstitial lung disease (ILD); to describe the association between patient education and quality of life; to discuss, using IPF case examples, the complexity of ILD and the challenges faced in providing individualised care across the disease trajectory, including access to palliative care; and to provide an update on contemporary measures that are used to optimise patient outcomes.

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care

Tag(s) : Translational

Target audience : General practitioner, Nurse, Physiologist, Physiotherapist, Adult pulmonologist/Clinician

Chairs : Michael Kreuter (Heidelberg, Germany), Wim A Wuyts (Rotselaar, Belgium), Katleen Leceuvre (KESSEL-LO, Belgium)

14:45	Perspectives on managing an ILD patient Luca Richeldi (Roma, Italy)	1609
15:12	Patient testimonial Klaus Geissler (Bietigheim-Bissingen, Germany)	1610
15:24	The ILD-nurse putting the focus on the patient: PROMs and PREMs Anne-Marie Russell (London, United Kingdom)	1611
15:51	Pulmonary rehabilitation in IPF Rainer Gloeckl (Schoenau am Koenigssee, Germany)	1612
16:18	Palliative care for patients with ILD - the need for state-of-the-art knowledge Marlies S. Wijsenbeek (Rotterdam, Netherlands)	1613

7.3Z1 Session 170 14:45 - 16:45

Symposium: Management of pleural infection in 2018

Pleural infection

Aims : to highlight the increasing incidence of pleural infection across all age groups; to identify validated prognostic scores at presentation and those at highest risk of mortality; to discuss the best radiological investigations in this setting; to summarise the best way of managing medically and surgically these patients; to identify the microbiological spectrum of the disease and best antimicrobials to treat these infections; to summarise the best way to manage paediatric pleural infection.

Disease(s) : [Respiratory infections](#) [Paediatric respiratory diseases](#)

Method(s) : Imaging Surgery

Tag(s) : Clinical

Target audience : Nurse, Paediatrician, Radiologist, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Eva Polverino (Barcelona, Spain), Najib M. Rahman (Oxford, United Kingdom)

14:45	How can radiology assist in the diagnosis and management of pleural infection Anthony Edey (Bristol (Avon), United Kingdom)	1614
15:15	Medical management of pleural infection Muriel Fartoukh (Paris, France)	1615
15:45	Surgical management of pleural infection - who to operate on and when Stefano Elia (Roma (RM), Italy)	1616
16:15	Paediatric management of pleural infection Adam Jaffe (Randwick (NSW), Australia)	1617

7.3B Session 171 14:45 - 16:45

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

Disease(s) : [Airway diseases](#)

Method(s) : Physiology Cell and molecular biology General respiratory patient care

Chairs : Frits M.E. Franssen (Horn, Netherlands), Guido Vaghegini (Volterra (PI), Italy)

OA1618	Early pulmonary rehabilitation after acute exacerbation of COPD Jakob Lyngby Kjaergaard (Brønshøj, Denmark), Carsten B. Juhl, Mette Rosenberg, Hanne Rohde, Henny Riber, Linda Poulsen, Torgny Wilcke
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- OA1619** **Exercise improves physical activity and comorbidities in obese adults with asthma**
Patricia Duarte Freitas (São Paulo (SP), Brazil), Aline G Silva, Palmira G Ferreira, Analuci Da Silva, João M Salge, Regina M Carvalho-Pinto, Alberto Cukier, Claudia M Brito, Márcio C Mancini, Celso R F Carvalho
-
- OA1620** **Effectiveness of Pulmonary Rehabilitation for Patients with Asthma: EPRA-RCT**
Konrad Schultz (Bad Reichenhall, Germany), Michael Wittmann, Rupert Wagner, Nicola Leibert, Larissa Schwarzkopf, Boglaka Szentés, Dennis Nowak, Hermann Faller, Michael Schuler
-
- OA1621** **Pericyte coverage of skeletal muscle capillaries is impaired during training-induced angiogenesis in COPD patients**
Léo Blervaque (Montpellier CEDEX 5, France), Pascal Pomiès, Matthias Catteau, Emilie Passerieux, Bronia Ayoub, Marine Blaquièrre, Lisa Ducros, Francois Bughin, Nicolas Molinari, Jacques Mercier, Maurice Hayot, Fares Gouzi, University of Patras,Rio), Maria Oplopoïou (moplopoiou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Sebastian Marwitz (smarwitz@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL),Borstel), Torsten Goldmann (tgoldmann@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL),Borstel), Vasiliki Bravou (vibra@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras,Rio), Georgios T. Stathopoulos (gstathop@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras,Rio)
-
- OA1622** **Unbiased analysis of skeletal muscle molecular responses upon pulmonary rehabilitation in advanced COPD**
Anita Kneppers (Maastricht, Netherlands), Roy Haast, Ramon Langen, Lex Verdijk, Pieter Leermakers, Harry Gosker, Luc Van Loon, Mitja Lainscak, Annemie Schols
-
- OA1623** **Five-repetition sit-to-stand and mortality in COPD: a prospective cohort study**
Sarah Jones (Berkshire, United Kingdom), Claire Nolan, Suhani Patel, Ruth Barker, Samantha Kon, Michael Polkey, Nicholas Hopkinson, Matthew Maddocks, William Man
-
- OA1624** **Regular extended release morphine for chronic breathlessness: a multi-centre double-blind RCT**
David Currow (Sydney (NSW), Australia), Sandra Louw, Philip Mccloud, Belinda Fazekas, John Plummer, Christine McDonald, Meera Agar, Katherine Clark, Nikki Mccaffrey, Amy Abernethy, Magnus Ekstrom

7.3Z2

Session 172

14:45 - 16:45

Hot topics: Cleaning agent exposures: are they really harmful to lung health?**Clinical review of inhaled toxicology and potential mechanisms, epidemiology and clinical effects**

Aims : to present and discuss (i) what is known about the structure, function and toxicology of cleaning agent exposures, (ii) details on the epidemiology of lung diseases attributed to such exposures, (iii) strong and weak evidence of lung diseases' epidemiology attributed to cleaning agent exposures, (iv) links with asthma and COPD.

Disease(s) : **Airway diseases**

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Nurse, Physiologist, Scientist (basic, translational)

Chairs : David Fishwick (Sheffield (South Yorkshire), United Kingdom), Sara De Matteis (London, United Kingdom), Frédéric De Blay (Strasbourg, France)

14:45	Cleaning agents: how they look like and how might they cause respiratory harm? Benoit Nemery (Leuven, Belgium)	1625
15:15	Cleaning agents and asthma: what does the epidemiology really tell us? Jan-Paul Zock (Utrecht, Netherlands)	1626
15:45	Cleaning agents and asthma: what does the evidence currently tell us about diagnosis and management of these cases? Gareth Walters (Birmingham, United Kingdom)	1627
16:15	Cleaning agents and chronic lung disease: does the evidence support a link with COPD? Orianne Dumas (Villejuif, France)	1628

7.3K

Session 173

14:45 - 16:45

Symposium: Mitochondrial dysfunction as a driver of lung disease

Aims : to describe the pathogenic roles of mitochondrial dysfunction in chronic respiratory diseases. Mitochondrial dysfunction is emerging as a driver of lung diseases. Recent studies on the mitochondrial dysfunction in diseases such as cancer and ageing have profoundly increased our understanding of how mitochondrial function regulates multiple cell functions, including energy production, apoptosis, calcium and reactive oxygen species signalling, and the generation of biosynthesis intermediates. Maintaining mitochondrial function is thus critical for ensuring proper organ function. An improved understanding of the mitochondrial dysfunction in lung diseases may promote the identification of novel therapeutic options for chronic respiratory diseases. It may also lead the way to considering repurposing already approved drugs such as metformin.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Scientist (basic, translational), Student, Trainee

Chairs : Rachel Chambers (London, United Kingdom), Charles Dela Cruz (New Haven, United States of America)

14:45	An introduction to mitochondria in lung biology and disease Silke Meiners (München, Germany)	1629
15:15	Metabolic control of longevity Speaker to be confirmed	1630
15:45	Lung fibrosis - a disease of mitochondrial dysfunction Ana Mora (Pittsburgh, United States of America)	1631
16:15	Role of mitochondria in the activation of immune cells in the lung Argyris Tzouvelekis (Athens, Greece)	1632

7.3Q Session 174 14:45 - 16:45

Oral presentation: On the right path: understanding and improving the function of an overloaded right heart ventricle

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders

Method(s) : Imaging Cell and molecular biology Physiology Surgery

Chairs : Frances S. De Man (Amsterdam, Netherlands), François Potus (Kingston, Canada)

OA1633	Right ventricular mass/volume in PAH: A double edged sword? Franz Rischard (Tucson, United States of America), Rebecca Vanderpool, Kelly Wickstrom, Ankit Desai, Sophia Airhart, Ryan Avery, Robert Naeije
OA1634	Effects of urocortin-2 on cellular Ca²⁺ homeostasis in right heart failure induced by pulmonary artery hypertension Rui Miguel Costa Adão (Oliveira de Azeméis, Portugal), Simon C Kraler, Senka Holzer, Adelino Leite-Moreira, Simon Sedej, Carmen Brás-Silva
OA1635	Allopurinol reduces RV mass in patients with severe COPD Patrick Liu Shiu Cheong (Newport-on-Tay, United Kingdom), Brian Lipworth, Jonathan Weir-Mccall, Allan Struthers
OA1636	The right ventricle function in highlanders with sleep-related respiratory disturbances Kubatbek Muratali uulu (Bishkek, Kyrgyzstan), Meerim B Cholponbaeva, Samat A Satybalдиеv, Nursultan Baktybek, Aidana T Toktosunova, Abdurashid M Maripov, Akpay Sh Sarybaev
OA1637	Young males with pulmonary arterial hypertension have a high afterload and low right ventricular ejection fraction at presentation Joanne Groeneveldt (Amsterdam, Netherlands), Cathelijne E.E. Van Der Bruggen, Pia Trip, Nico Westerhof, Berend E. Westerhof, Anton Vonk-Noordergraaf, Frances S. De Man
OA1638	Outcomes of surgical treatment of VSD with pulmonary hypertension Sheenam Walia (Chandigarh (Uttar Pradesh), India), Gd Puri, Komal Gandhi, Mk Ganesh, Banashree Mandal

7.3M Session 175 14:45 - 16:45

Oral presentation: Educational tools to improve your practice

Disease(s) : Airway diseases Respiratory infections Sleep and breathing disorders Respiratory infections

Method(s) : Imaging Public health General respiratory patient care

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Chad Jackson (, United States of America)

OA1639	Education and training in lung ultrasound: a systematic review Pia Iben Pietersen (Odense C, Denmark), Kristian R. Madsen, Ole Graumann, Lars Konge, Bjørn U. Nielsen, Christian B. Laursen
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- OA1640** **Interprofessional education (IPE) for respiratory care in neuromuscular disease (NMD) is feasible, and improves confidence in clinical practice**
Alanna Hare (London, United Kingdom), Michelle Chatwin, Deborah Field, Hui-Leng Tan, Anita Simonds
- OA1641** **Comparative analysis of Respipedia, Nupedia and Wikipedia. Is it possible for Respipedia to avoid Nupedia's fate?**
Piotr Napora (Wrocław, Poland), Sylwia Szromba, Piotr M. Napora
- OA1642** **The role of mobile apps in allergic respiratory diseases: an italian survey report**
Carlo Lombardi (Roma (RM), Italy), Matteo Bonini, Giovanni Passalacqua
- OA1643** **Development of a shared decision-making tool to support patients and their healthcare provider in choosing the best inhaler device**
Esther I. Metting (Groningen, Netherlands), Lise Van Dijk, Halima El Messlaki, Jos Luers, Janwillem Kock
- OA1644** **Reframing asthma and inhaled corticosteroids (ICS) to modify treatment beliefs: an online randomised controlled trial**
Caroline B. Katzer (London, United Kingdom), Vari Wileman, Amy H. Y. Chan, Stephanie J. C. Taylor, Rob Horne
- OA1645** **The Pulmonary Passport: Uptake of a regional electronic procedure logbook in Respiratory Medicine**
Maryam Ahmed (Manchester, United Kingdom), Tarek Saba, Tracy Duncan, Seamus Grundy, Matthew Evison

7.30 **Session 176** **14:45 - 16:45**

Oral presentation: Novel immunology-based therapies in asthma and COPD

Disease(s) : Respiratory critical care Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology

Chairs : Apostolos Bossios (Stockholm, Sweden), Marco Idzko (Vienna, Austria)

- OA1646** **Late Breaking Abstract - Pharmacological characterization of T cell-induced broncho-constriction in vitro and in vivo**
Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Kouyama, Miyako Yamaguchi, Chiemi Kunitani, Akemi Ohtomo-Abe, Norihiko Fujita, Maki Iwata, Kisako Nagayama, Kai Ryu, Yuto Nakamura, Yasuhiro Tomita, Yuto Hamada, Hiroaki Hayashi, Kentaro Watai, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomi, Masami Taniguchi, Takayuki Ohtomo, Osamu Kaminuma
- OA1647** **IL-37 ameliorates experimental asthma by inhibiting IL-1**
Alexandra Schroeder (Borstel, Germany), Lars Lunding, Christina Vock, Bianca Schaub, Ulrich Zissler, Heinz Fehrenbach, Michael Wegmann
- OA1648** **Alamandine reduces eosinophilic inflammation in an experimental model of asthma**
Juliana Gregório (Belo Horizonte, Brazil), Giselle Magalhães, Glória Rodrigues-Machado, Kezia Gonzaga, Aline Oliveira, Fernando Souza-Neto, Barbara Rezende, Vanessa Pinho, Luciola Barcelos, Rafaela Fernandes Da Silva, Robson Santos, Maria Jose Campagnole-Santos
- OA1649** **Omalizumab enhances the percentage of GARP cells in both regulatory and terminally differentiated effector Th cells in severe allergic asthmatics**
Juan-José Nieto-Fontarigo (Santiago De Compostela, Spain), Francisco-Javier Salgado-Castro, María-Esther San-José-Capilla, José-Martín Carreira-Villamor, Luís Valdés-Cuadrado, Ana Faraldo-García, Miguel-Angel García-González, Carmen Diego-Roza, Pablo Martín-Lancharro, José-Domingo Moure-González, Tania Liñares-Mata, El-Bahi Takkouche-Souilamas, Pilar Arias, Montserrat Nogueira, Francisco-Javier González-Barcala
- OA1650** **Immunogenicity of Mepolizumab in Patients with Severe Eosinophilic Asthma: Experience from the Clinical Development Program**
Hector Ortega (San Diego, United States of America), Erik Meyer, Guy Brusselle, Koichiro Asano, Robert Price, Charlene Prazma, Frank Albers, Steven Yancey, Gerald Gleich
- OA1651** **Dupilumab efficacy in asthma patients with comorbid chronic rhinosinusitis or nasal polyposis (CRS/NP) in LIBERTY ASTHMA QUEST**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Linda Ford, Lawrence Sher, Klaus F. Rabe, Hae-Sim Park, Borja G. Cosio, Meredith C. Foster, Heribert Staudinger, Jaman Maroni, Paul Rowe, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanale Akinlade, Neil M. H. Graham, Ariel Teper
- OA1652** **Tryptase loss-of-function mutations reduce tryptase expression and predict asthmatic response to anti-IgE therapy**
David Choy (South San Francisco, United States of America), Neil Trivedi, Amy Dressen, Magda Babina, Rahul Ahuja, Tangsheng Yi, Janet Jackman, Guiquan Ji, Jason Hackney, Luz Orozco-Guerra, Diana Chang, George Caughey, Brian Yaspan

- OA1653** **Systemic immunological changes following intravenous mesenchymal stromal cell infusion in stable COPD patients**
Jesse Armitage (Perth (WA), Australia), Dino Tan, Russel Troedson, Paul Young, Kay-Vin Lam, Kathryn Shaw, Marian Sturm, Daniel Weiss, Yuben Moodley

7.3P **Session 177** **14:45 - 16:45**

Oral presentation: Clinical trials in COPD: new results

Disease(s) : Airway diseases Respiratory critical care Respiratory infections Respiratory infections

Method(s) : General respiratory patient care

Chairs : Kenneth R. Chapman (Toronto (ON), Canada), Marija Vukoja (Sremska Kamenica, Republic of Serbia)

- OA1654** **Late Breaking Abstract - Azithromycin for acute COPD exacerbations requiring hospitalization – the BACE trial results**
Wim Janssens (Leuven, Belgium), Kristina Vermeersch, Maria Gabrovska, Joseph Aumann, Ingel K Demedts, Jean-Louis Corhay, Eric Marchand, Hans Slabbynck, Christel Haenebalcke, Michiel Haerens, Shane Hanon, Pham Anh Hong Nguyen, Rudi Peché, Antoine Fremault, Tine Lauwerier, Bert Vandenberk, Stephanie Everaerts, Vincent Ninane, Geert M Verleden, Thierry Troosters, Kris Bogaerts, Guy G Brusselle

- OA1655** **COPD exacerbations in the phase 3 revefenacin clinical trial program**
James F. Donohue (Chapel Hill, United States of America), Sanjay Sethi, Craig N. Barnes, Edmund J. Moran, Srikanth Pendyala, Glenn Crater, Brett Haumann

- OA1656** **Pharmacodynamic and pharmacokinetic results after repeated doses of AZD8871 in COPD patients**
Ioannis Psallidas (Oxford, United Kingdom), Carol Astbury, Lali Jimenez, Ulrika Walby Hamren, Beatriz Seoane, Marie-Pierre Malice, Victor Balaguer, Alejandra Lei, Ajay Aggarwal, Dave Singh

- OA1657** **Early Clinically Important Improvement (ECII) and exacerbation outcomes in the FLAME study**
Konstantinos Kostikas (Basel, Switzerland), Alexander J. Mackay, Claus F. Vogelmeier, Stefan-Marian Frent, Pascal Pfister, Pritam Gupta, Donald Banerji, Francesco Patalano, Jadwiga A. Wedzicha

- OA1658** **Single inhaler triple therapy in patients with COPD: response rates in health-related quality of life in the IMPACT Trial**
Maggie Tabberer (Uxbridge (Middlesex), United Kingdom), Christine Elaine Jones, Sally Kilbride, Gerard J Criner, Peter Lange, Meilan K Han, Fernando Martinez, David A Lipson

- OA1659** **Reduction in fatal events with extrafine inhaled corticosteroid (ICS)-containing medications: results of stratified safety pooled analysis of the TRILOGY, TRINITY and TRIBUTE studies.**
Leonardo Michele Fabbri (Modena, Italy), Dave Singh, Nicolas Roche, Massimo Corradi, Alessandro Guasconi, Mario Scuri, Isabella Montagna, Géraldine Cohuet, Catherine Francisco, Stefano Vezzoli, Stefano Petruzzelli, Alberto Papi

- OA1660** **Economic and quality of life consequences of clinically important deterioration in patients with COPD: results from the TORCH study**
Afisi Ismaila (Cary, United States of America), Maurice Driessen, Andrew Briggs, Nancy Risebrough, Ian Naya, Necdet Gunsoy, Victoria Paly

- OA1661** **KRONOS: 24-week study of triple fixed-dose combination budesonide/glycopyrronium/formoterol (BGF) MDI via co-suspension delivery technology vs glycopyrronium/formoterol (GFF) MDI, budesonide/formoterol (BFF) MDI and BFF inhalation powder in COPD**
Gary T. Ferguson (Farmington Hills, United States of America), Klaus F. Rabe, Fernando J. Martinez, Leonardo M. Fabbri, Chen Wang, Masakazu Ichinose, Eric Bourne, Shaila Ballal, Kiernan Deangelis, Magnus Aurivillius, Paul Dorinsky

7.3L **Session 178** **14:45 - 16:45**

Poster discussion: New insights in the management of chronic respiratory failure

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory critical care

Method(s) : Epidemiology Physiology General respiratory patient care Respiratory intensive care

Chairs : Raluca Mihaela Bercea (Kolnes, Norway), Stephan Waltersbacher (Allensbach, Germany)

- PA1662** **Individually customized settings can extend the use of mechanical assisted cough in amyotrophic lateral sclerosis**
Tiina Andersen (Bergen, Norway), Astrid Sandnes, Ove Fondenes, Thomas Halvorsen, Ole-Bjørn Tynes, John-Helge Heimdal, Hege Clemm, Maria Vollsæter, Ola Drange Røksund

- PA1663** **Accuracy of built-in software for the detection of residual apneic events occurring during non-invasive ventilation.**
Elena Lindemann (Nürnberg, Germany), Maxime Patout, Elodie A. Lhuillier, Gill Arbane, Nicholas Hart, Patrick B. Murphy

- PA1664** **Effects of nocturnal Non-Invasive Ventilation (NIV) with automatic tailoring of Positive End Expiratory Pressure (PEEP) on gas exchange and patient-ventilator interaction in COPD (Chronic Obstructive Pulmonary Disease)**
Ilaria Milesi (Milano (MI), Italy), Roberto Porta, Michele Vitacca, Simona Cacciatore, Luca Barbano, Raffaele Dellacà
-
- PA1665** **Generic longitudinal and real-time cloud-based monitoring for hospital- and home-based non-invasive ventilation – a Proof-of-Concept study**
Gabriel Benz (Winterthur, Switzerland), Bernarde Schillig, Daniel Wattenhofer, Franz Michel, Martin Brutsche
-
- PA1666** **Effectiveness of humidified and warmed High Flows Nasal Oxygen (HFNO) in frequently exacerbating COPD patients.**
Antonio Di Sorbo (Caiazzo (CE), Italy), Mariano Mazza, Assunta Micco, Angelo Romano, Gaetano Beatrice, Mario Del Donno
-
- PA1667** **Nasal vs oronasal interface during exercise under noninvasive ventilation in COPD: A randomized cross-over study**
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Francis-Edouard Gravier, Clément Médinal, Guillaume Prieur, Catherine Tardif, Jean-François Muir, Antoine Cuvelier, Gregory Reychler, David Debeaumont, Catherine Viacroze
-
- PA1668** **2-way remote monitoring in adaptive mode allows effective and realistic provision of home Non-Invasive Ventilation(NIV) to patients with severe COPD**
Grace McDowell (Glasgow (Glasgow), United Kingdom), Hannah Toellner, Duncan Macfarlane, Robin Tourish, Christopher Canavan, Aileen Brown, Heather Ambler, Christopher Carlin
-
- PA1669** **Remote monitoring of home non-invasive ventilation: a feasibility study**
(,), Julie Young, Nichola Ashforth, Katherine Price, Alex Wilson
-
- PA1670** **Exploring experiences and views of patients, their carers and health care professionals (HCP) on using modems in managing patients receiving home non-invasive ventilation (NIV): a qualitative study**
Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Martin Wood, Francesca Gowing, Swapna Mandal
-
- PA1671** **Patients' expectations for a new lightweight portable noninvasive ventilator for shortness of breath**
Jean Christian Borel (Meylan, France), Annabelle Couillard, Charles Aguirre, Matthieu Lesgoirres, François Arbib, Martial Desflaschelles, Thibaut Gentina, Christophe Brousse, Mohammad Chakra, Yoann Thibout, Philippe Tarodo, Michele Bognie, Emmanuel Courau, Christophe Raspaud, Patrice Ray, Alain Proust, Nathalie Plouvier, Christophe Pison, Jean Louis Pepin
-
- PA1672** **Clinical utility of the respiratory center response to hypercapnia in OHS patients**
Ines Ruiz Alvarez (Oviedo, Spain), Ramon Fernandez Alvarez, Gemma Rubinos Cuadrado, Marta Iscar Urrutia, Maria Jose Vazquez Lopez, Francisco Rodriguez Jerez, Tamara Hermida Valverde, Pere Casan Clara
-
- PA1673** **Long-term tracheostomy ventilation in the community: characteristics of a UK cohort**
Patrick B. Murphy (Oxted (Surrey), United Kingdom), Patrick Bradley, Kelly Stewert, Nicholas Skipper, Leonor Meira, Michelle Ramsay, Eui-Sik Suh, Joerg Steier, Philip Marino, Nicholas Hart
-
- PA1674** **AVAPS-AE vs. ST mode: A randomised controlled trial in patients with obesity hypoventilation syndrome**
Maxime Patout (Mont-Saint Aignan, France), Frédéric Gagnadoux, Claudio Rabec, Wojciech Trzepizur, Marjolaine Georges, Christophe Perrin, Renaud Tamisier, Claudia Llontop, Frédéric Goutorbe, Cherifa Gounane, Sandrine Pontier-Marchandise, Pierre Cervantes, Vanessa Bironneau, Adrianna Portmann, Jacqueline Delrieu, Jean-François Muir, Antoine Cuvelier
-
- PA1675** **Psychiatric Pathology and non-invasive ventilation.**
Virginia Almadana Pacheco (Sevilla, Spain), Rafael Perera, Cristina Benito, Ana Gómez-Bastero, Agustín Valido
-
- PA1676** **The cost benefit of initiating domiciliary Non-invasive Ventilation (NIV) as an outpatient is accompanied by good clinical outcomes for hypercapnic Chronic Obstructive Pulmonary Disease (COPD) patients**
Charlotte Tai (London, United Kingdom), Noor Madhi, Georgia Whitlow, Katharine Martin, Sandip Banerjee
-
- PA1677** **Home Noninvasive Ventilation with Built-in Software in Chronic Hypercapnic COPD Patients: a Mid-term Prospective, Multicenter, Randomized, Controlled Trial**
Lili Guan (Guangzhou, China), Luqian Zhou, Rongchang Chen
-
- PA1678** **Expiratory slope variations induce physiological changes in stroke volume during non invasive ventilation in hyperinflated COPD patients**
Bouchra Lamia (Rouen- Le Havre, France), Olivier Pasquier, Sandrine Pontier, Arnaud Prigent, Claudio Rabec, Jesus Gonzalez-Bermejo
-
- PA1679** **Results from UK HOT-HMV Trial: Clinical importance of recovery of hypercapnia following acute life-threatening exacerbation of COPD**
Patrick B. Murphy (Oxted (Surrey), United Kingdom), Gill Arbane, Maxime Patout, Nick Hart

Terminal 7

Session 179

14:45 - 16:45

Oral presentation: Variant forms of asthma

Disease(s) : [Airway diseases](#)

Method(s) : Physiology Cell and molecular biology General respiratory patient care Epidemiology

Chairs : Rachel Nadif (Villejuif, France), Stefan Blaas (Regensburg, Germany)

- OA1680** **Late Breaking Abstract - Risk of a severe exacerbation following higher reliever use: post-hoc analysis of SYGMA 1 in mild asthma**
Paul O'Byrne (Hamilton (ON), Canada), J. Mark Fitzgerald, Eric D. Bateman, Peter J. Barnes, Nanshan Zhong, Christina Keen, Millie Wang, Rosa Lamarca, Margareta Puu, Helen K. Reddel
-
- OA1681** **Investigating the role of smoking in the development of aspirin-exacerbated respiratory disease**
Hiroaki Hayashi (Sagamihara (Kanagawa prefecture), Japan), Yuma Fukutomi, Chihiro Mitsui, Kentaro Watai, Maki Iwata, Kisako Nagayama, Yuto Nakamura, Yuto Hamada, Kai Ryu, Yasuhiro Tomita, Yosuke Kamide, Kiyoshi Sekiya, Takahiro Tsuburai, Akio Mori, Yoshinori Hasegawa, Masami Taniguchi
-
- OA1682** **Special phenotypes of obesity at young patients with bronchial asthma**
Irina Soloveva (Krasnoyarsk (Krasnoyarsk), Russian Federation), Irina Demko, Elena Sobko, Angelina Kraposhina, Natalia Gordeeva, Svetlana Chubarova, Marina Mamaeva
-
- OA1683** **Improving GINA adoption by designing a mobile based clinical decision support system**
Marsa Gholamzadeh (Tehran, Islamic Republic of Iran), Hamidreza Abtahi, Shahideh Amini, Zahra Taleb
-
- OA1684** **Association between the GLCCI1 variant and response to inhaled corticosteroids in South Vietnamese asthmatics**
Hai Thanh Ngo Nguyen (Hô Chí Minh, Vietnam), Van Ngoc Tran, Anh Vu Hoang

7.2A

Session 180

14:45 - 16:45

Poster discussion: Asthma management

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : Physiology General respiratory patient care

Chairs : Tiziana Patrizia Cremona (Bern, Switzerland), Asger Sverrild (København NV, Denmark)

- PA1685** **Changes in forced oscillatory parameters in reversibility testing as predictors for cough variant asthma**
Toshihiro Shirai (Shizuoka, Japan), Hirofumi Watanabe, Taisuke Akamatsu, Kanami Tamura, Toshihiro Masuda, Shingo Takahashi, Yuko Tanaka, Yoshinari Endo, Takahito Suzuki, Rie Noguchi, Mika Saigusa, Akito Yamamoto, Yuichiro Shishido, Takefumi Akita, Satoru Morita, Kazuhiro Asada
-
- PA1686** **Step-down of moderate-severe asthma treatment in clinical practice**
Alexandra Suliana Mogrovejo Calle (Valencia, Spain), Eva Martínez Moragón, Julio Delgado Romero, Alberto Levy Naon, Francisco Javier González Barcala, Virginia Serrano Gutiérrez, Antonio Moreno Fernández
-
- PA1687** **Effect of cumulative smoking history on disease burden and multimorbidity in adult-onset asthma**
Minna Tammola (Seinäjäki, Finland), Pinja Ilmarinen, Leena E Tuomisto, Lauri Lehtimäki, Onni Niemelä, Pentti Nieminen, Hannu Kankaanranta
-
- PA1688** **Exposure-response analysis of tezepelumab in patients with severe asthma to guide phase 3 dose selection**
Neang Ly (Mountain View, United States of America), Yanan Zheng, Janet M. Griffiths, René Van Der Merwe, Balaji Agoram, Lorin Roskos
-
- PA1689** **Clustering analysis for omalizumab responder patient profiles identification. Fenoma study**
Carlos Almonacid Sanchez (Guadalajara, Spain), José Gregorio Soto Campos, Paloma Campo Mozo, Ana Moreira Jorge, Ignacio Jesus Davila Gonzalez
-
- PA1690** **Aerobic fitness in asthmatic adolescents with fixed airway obstruction**
Andrey Sousa (São Paulo (SP), Brazil), Ronaldo Aparecido Silva, Anna Lúcia Cabral, José Grindler, Alfredo José Fonseca, Milton Arruda Martins, Celso Rf Carvalho
-
- PA1691** **Can air purifier promote the indoor cleanliness and improve the patients with asthma?**
Takao Miyoshi (Tokyo, Japan), Wakaba Furuie, Yoshio Otani, Chihiro Tani, Marika Waku, Fumika Koike, Yasunari Miyazaki, Naohiko Inase, Tetsuo Sasano, Miho Akaza, Tetsuo Kubota, Yuki Sumi
-
- PA1692** **Holistic management of asthma exacerbation in emergency department (ED): A-CARE (Asthma-COPD Afterhours Respiratory Nurse at Emergency) program**
Si Yuan Chew (Singapore, Singapore), Jenneth Yue Ling Leow, Adrian Kwok Wai Chan, Jing Jing Chan, Donna Tan, Aman Butta, Mariko Siyue Koh

- PA1693** **Antagonists for Chemoattractant receptor-homologous molecule expressed on Th2 cells in asthma: a meta-analysis and systematic review**
Jing Yang (Beijing, China), Jian Luo, Ling Yang, Dan Yang, Dan Wang, Bicui Liu, Binmiao Liang, Chuantao Liu
- PA1694** **A nocturnal temperature controlled laminar flow device (TLA) maintains good control of severe allergic asthma (SAA) after withdrawal of Omalizumab therapy**
Chun-Hua Wang (Taipei, Taiwan), Chun-Yu Lo, Han-Pin Kuo
- PA1695** **Consideration of Aspergillus component for Allergic Bronchopulmonary Aspergillosis(ABPA)**
KAZUNOBU KUWABARA (nagoya, Japan), Koichiro Takita, Rieko Kondo, Takahiko Horiguchi
- PA1696** **Assessment of diagnostic accuracy of lung function indices and FeNO for a positive methacholine challenge in suspected asthmatics**
Nicolas Bougard (Ougrée, Belgium), Florence Schleich, Françoise Guissard, Renaud Louis
- PA1697** **When omalizumab is effective, should treatment be for life?**
Maria Sanchez-Carpintero Abad (Orkoién (Navarra), Spain), Virginia Collados Arroyo, Guillermo Doblaré Higuera, Aythamy Henriquez Santana, Francisco Javier Ruiz Hornillos, Sandra Blanco Bermejo, Francisco José Roig Vazquez
- PA1698** **Spanish study on unmet clinical needs in patients with uncontrolled severe asthma.**
Luis Pérez De Llano (Lugo, Spain), Eva Martínez Moragon, Borja Garcia-Cosio, Vicente Plaza
- PA1699** **Development of a novel prediction model for acute asthma exacerbation**
So-Young Park (Seoul, Democratic People's Republic of Korea), Jung-Hyun Kim, Bomi Seo, Woo-Jung Song, Hyouk-Soo Kwon, Tae-Bum Kim, Hee-Bom Moon, You Sook Cho
- PA1700** **impulse oscillometry in Small airway dysfunction in asthmatics and its utility in asthma control .**
Ragia Samir Sharshar (Tanta, Egypt)
- PA1701** **The validation of the Severe Asthma Questionnaire (SAQ).**
Rupert Jones (Milton Combe, United Kingdom), Michael Hyland, Joseph Lanario, Matthew Masoli

7.2B **Session 181** **14:45 - 16:45****Poster discussion: Respiratory muscle function, postural control and breathing exercises in chronic respiratory conditions**

Disease(s) : **Airway diseases** **Respiratory infections** **Pulmonary vascular diseases** **Sleep and breathing disorders** **Respiratory critical care** **Respiratory infections**

Method(s) : Epidemiology Public health General respiratory patient care Physiology

Chairs : Wendy Darlene Reid (Toronto ON, Canada), Rachael A. Evans (Market Harborough (Leicestershire), United Kingdom)

- PA1702** **Determining the efficacy of physiotherapy interventions in paediatric dysfunctional breathing**
Jane Kirkby (Sheffield, United Kingdom), Nicki Barker, Ravi Thevasagayam, Kelechi Ugonna
- PA1703** **The effect of breathing retraining on patients with difficult asthma and dysfunctional breathing**
Lone Schaadt (Vallensbæk Strand, Denmark), Martin Dam Soerensen, James Hull, Celeste Porsbjerg
- PA1704** **Incentive spirometry: aspects of clinical practice of professionals working with patients with respiratory dysfunction**
Veronica Parreira (Belo Horizonte (MG), Brazil), Liliane Mendes, Larissa Borges, Letícia Mendonça, Dayane Montemezzo, Giane Ribeiro-Samora
- PA1705** **Maximal sustained inspiration promotes similar changes on breathing pattern and chest wall motion compared to Incentive spirometry**
Veronica Parreira (Belo Horizonte (MG), Brazil), Liliane Mendes, Luana Teixeira, Layza Cruz, Danielle Vieira
- PA1706** **Effect of manual breathing assist technique on deoxygenation of sternocleidomastoid and lung volumes in patients with COPD**
Takako Tanaka (Nagasaki, Japan), Ryo Kozu
- PA1707** **Inspiratory muscle weakness is associated to static balance in middle-aged and older women**
Ingrid Guerra Azevedo (Natal (RN), Brazil), Silvana Sousa, Felipe Morillas, Elizabel Viana, Alvaro Maciel, Saionara CâMara
- PA1708** **Inspiratory muscle training decreases ankle proprioceptive use during balance control in patients with COPD**
Lotte Janssens (Diepenbeek, Belgium), Daniel Langer, Sauwaluk Dacha, Zafeiris Louvaris, Simon Brumagne, Nina Goossens, Charlotte Amerijckx, Rik Gosselink
- PA1709** **Differences in balance between children with mild asthma and healthy children**
Katerina Neumannova (Olomouc, Czech Republic), Zuzana Kovacicova, Miroslav Janura, Jana Rydlova

- PA1710** **The Trunk Control Test: relations with respiratory muscle strength and peak expiratory cough flow**
Monique Messaggi Sartor (Barcelona, Spain), Ester Marco, Natalia Neira-Fernandez, Cindry Ramirez-Fuentes, Roser Boza, Esther Duarte, Anna Guillen-Solà
- PA1711** **Comparison of balance and coordination abilities between asthmatic patients and healthy subjects**
Ayşenur Yilmaz (Denizli, Turkey), Süleyman Gürsoy, Orçin Telli Atalay, Harun Taşkın, Ali Yalman, Binnaz Fatma Eyyapan
- PA1712** **Metronome paced tachypnoea as an indicator of dynamic hyperinflation in incremental and constant work rate tests**
Clancy Dennis (Canberra (ACT), Australia), Collette Menadue, Tessa Schneeberger, Rainer Gloeckl, Daniella Leitl, Alison Harmer, Ursula Schoenheit-Kenn, David Barnes, Andreas Rembert Koczulla, Klaus Kenn, Jennifer Alison
- PA1713** **NIV reduces oxygen consumption during rest and constant work rate exercise in patients with COPD**
Clancy Dennis (Canberra (ACT), Australia), Collette Menadue, Tessa Schneeberger, Rainer Gloeckl, Daniella Leitl, Alison Harmer, Ursula Schoenheit-Kenn, David Barnes, Andreas Rembert Koczulla, Klaus Kenn, Jennifer Alison
- PA1714** **Comparison between manual and automated analyses of esophageal diaphragm electromyography during endurance cycling in patients with COPD**
Sauwaluk Dacha (Leuven, Belgium), Luc Janssens, Zafeiris Louvaris, Lotte Janssens, Rik Gosselink, Daniel Langer
- PA1715** **Analysis of maximum relaxation rate in patients with Duchenne Muscular Dystrophy compared to healthy subjects**
Jéssica Danielle Medeiros da Fonsêca (Santa Cruz, Brazil), Ilsa Priscila Santos, Maria Lira, Layana Marques, Ana Marcelino, Mario Emílio Dourado-Júnior, Guilherme Fregonezi, Vanessa Resqueti
- PA1716** **A mismatch between dyspnea and general-respiratory functional tests in patients with Amyotrophic Lateral Sclerosis**
Vinicius Jamonti (São Paulo (SP), Brazil), Mayra Pereira, Jeferson Ferreira, Gerson Chadi, Frederico Jorge, Pedro Caruso, Leticia Cardenas, Natalia Pontes, Flavia Badaro, Carlos Carvalho, Andre Luis Albuquerque
- PA1717** **High-intensity inspiratory muscle training in bronchiectasis: a randomized controlled trial**
Ozge Ozalp (Ankara, Turkey), Deniz Inal-Ince, Aslihan Cakmak, Ebru Calik-Kutukcu, Melda Saglam, Sema Savci, Naciye Vardar-Yagli, Lutfi Coplu, Jale Karakaya, Hulya Arıkan
- PA1718** **Effects of inspiratory muscle training on the sensation of dyspnea in patients with pulmonary hypertension group I and IV - Randomized controlled clinical trial**
Fabricio Farias da Fontoura (Porto Alegre (RS), Brazil), Gabriela Roncato, Guilherme Watte, Fernanda Brum Spilimbergo, Gisela Martina Bohns Meyer, Katya Rigatto, Danilo Cortozi Berton

7.2C Session 182 14:45 - 16:45

Poster discussion: Systematic reviews on the health effects of emerging tobacco products and electronic nicotine delivery systems (ENDS)

Disease(s) : [Airway diseases](#) [Respiratory infections](#) [Respiratory infections](#)

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Physiology Public health

Chairs : Mehmet Atilla Uysal (Istanbul, Turkey), Constantine Vardavas (Athens, Greece)

- PA1719** **Late Breaking Abstract - The impact of tobacco heating systems on haemodynamics**
Lukas Wittig (Lübeck, Germany), Svenja Belkin, Kai Mortensen, Michael Reppel, Daniel Drömann, Klaas Franzen
- PA1720** **Study of lung functions in tobacco chewers**
Abhijit Vinod Ahuja (Mumbai (Maharashtra), India), Abhay Uppe, Girija Nair
- PA1721** **Acute health effects of short-term use of e-cigarette on respiratory and cardiovascular system**
Mateusz Jankowski (Katowice, Poland), Grzegorz Brożek, Jan Zejda, Paulina Majek, Jakub Lubański
- PA1722** **Passive exposure of COPD patients to e-cigarette vape - a double-blinded exposure chamber study**
Jakob Bønløkke (Hjortshøj, Denmark), Karin Rosenkilde Laursen, Merete Bilde, Marianne Glasius, Elisabeth Bendstrup, Peter Ravn, Vivi Schlünssen, Søren K Kjærgaard, Torben Sigsgaard
- PA1723** **Acute changes in PFT's in asthma patients after the use of e-cigarette**
Serafim Chrysovalantis Kotoulas (Θεσσαλονίκη, Greece), Despoina Papakosta, Dionysios Spyrtos, Evangelia Fouka, Aikaterini Markopoulou, Konstantinos Porpodis, Evangelia Panagiotidou, Evangelos Chatzopoulos, Theodoros Kontakiotis, Paraskevi Argyropoulou, Athanasia Pataka
- PA1724** **Effects of electronic cigarette aerosol on isolated murine lung cells and bronchoalveolar lavage fluid**
Elsa Tadele Roxlau (Munich, Germany), Alexandra Pichl, Balachandar Selvakumar, Ralph T. Schermuly, Hossein A. Ghofrani, Werner Seeger, Werner Seeger, Jochen Wilhelm, Mirja Fassbender, Friedrich Grimminger, Susanne Herold, Natascha Sommer, Norbert Weissmann

- PA1725 Acute effects of e-cigarette inhalation with or without nicotine on levels of microvesicles in the blood of human volunteers**
Magnus Lundbäck (Stockholm, Sweden), Fariborz Mobarrez, Lukasz Antoniewicz, Jenny Bosson Damewood
-
- PA1726 ROLE OF E-CIGARETTES IN THE SMOKING CESSATION**
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Nataliia Tsymbaliuk, Andrii Sidorov
-
- PA1727 Effects of heat-not-burn tobacco on health are different from conventional cigarette**
Shin-ichi Hagiwara (Hagamachi, Japan)
-
- PA1728 Nicotine influence on hemocoagulation system**
Anna Bulanova (Tomsk, Russian Federation), Ekaterina Bukreeva, Ivan Tyutrin
-
- PA1729 Can heat-non-burn tobacco be "non-burn" and "smokeless"?**
Efthimios Zervas (Patra, Greece), Paraskevi Katsaounou
-
- PA1730 Lessons from systematic analysis of scientific publications on heated tobacco**
Bertrand Dautzenberg (Paris, France), Marie-Dominique Dautzenberg
-
- PA1731 World scientific production of tobacco and smoking**
Efthimios Zervas (Patra, Greece), Konstantinos Konstantopoulos, Paraskevi Katsaounou
-
- PA1732 Meta-analysis on the Effect of Current Smoking on the Risk of Developing Community Acquired Pneumonia**
Vadsala Baskaran (Nottingham (Nottinghamshire), United Kingdom), Rachael Murray, Abby Hunter, John Britton, Wei Shen Lim, Tricia Mckeever
-
- PA1733 Systematic Review on the Effect of Current Smoking on the Risk of Influenza**
Hannah Lawrence (Nottingham (Nottinghamshire), United Kingdom), Abby Hunter, Rachael Murray, Wei Shen Lim, Tricia Mckeever
-
- PA1734 Spirometry to motivate smoking cessation - a systematic review**
Elisabeth Westerdahl (Örebro, Sweden), Mats Arne, Matz Larsson, Kjell Ola Engman
-
- PA1735 Spirometric lung age (SLA) norms: a review**
Mouna Ben Khelifa (sousse, Tunisia), Halima Ben Salem, Souheil Chatti, Sonia Rouatbi, Helmi Ben Saad

7.2D Session 183 14:45 - 16:45

Poster discussion: Thoracic surgery, pleural effusions and other general thoracic surgery

Disease(s) : Respiratory infections Respiratory critical care Airway diseases Thoracic oncology Interstitial lung diseases
Respiratory infections

Method(s) : Epidemiology Endoscopy and interventional pulmonology Surgery

Chairs : Anne Olland (Strasbourg, France), Dragan R. Subotic (Beograd, Republic of Serbia)

- PA1736 Feasibility of uniportal VATS anatomic segmentectomy in the treatment of complex pulmonary tuberculosis**
Eugene Shepichev (Saint Petersburg, Russian Federation), Armen Avetisyan, Grigorii Kudriashov, Igor Vasilyev, Ilya Serezvin, Makhmud Mortada, Piotr Yablonskii
-
- PA1737 Plastic surgery of extensive defects of the anterior wall of the trachea after laryngo-tracheostomy.**
Rustem Hayaliev (Tashkent, Uzbekistan), Shuhrat Khudaybergenov, Otabek Eshonkhodjaev
-
- PA1738 Intravenous laser blood irradiation in preoperative preparation for patients with XDR tuberculosis**
Vilayat Aliev (Moscow, Russian Federation), Mamed Bagirov, Svetlana Sadovnikova, Elena Krasnikova, Dmitry Prokhodtsov
-
- PA1739 Cytoreductive operations in complex treatment for lung metastases of colorectal cancer.**
Aleksy Reshetov (St. Petersburg, Russian Federation), Aleksy Elkin, Vasily Klimentko, German Nikolaev, Dmitry Ermakov
-
- PA1740 Multidisciplinary approach in the diagnosis of Idiopathic Pulmonary Fibrosis: role of transbronchial lung cryobiopsy and surgical biopsy on a cohort of 153 patients.**
Stefano Sanna (forli, Italy), Sara Tomassetti, Desideria Argenti, Marta Mengozzi, Claudia Ravaglia, Anna Mariantonia Parisi, Jury Brandolini, Venerino Poletti, Maurizio Salvi
-
- PA1741 Up-today approaches in the surgical treatment of post-pneumonectomy empyema**
Anatoli Semkov (Sofia, Bulgaria), Georgi Yankov, Mihail Plochev, Danail Petrov

- PA1742** **Analysis of the solitary pulmonary nodule after surgical resection in patients using 18F-FDG integrated PET-CT scan at preoperative work-up.**
Antonio Francisco Honguero Martinez (Albacete, Spain), Ana María Del Rosario Nuñez-Ares, Maria Dolores Garcia-Jimenez, Concepcion Patricia Lopez-Miguel, Raul Godoy-Mayoral, Marta Genoves-Crespo, Ana Garcia-Vicente, Claudia-Rossana Rodriguez-Ortega, Fernando Andres-Petrel, Carlos-Eduardo Almonte-García, Francisco-Javier Callejas-Gonzalez, Jesus Jimenez-Lopez, Pablo Leon-Atance, M Lazaro-Sahuquillo
- PA1743** **Synchronous primary lung cancers;a clinical challenge in modern thoracic oncology**
Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Aggeliki Mpairaktari, Gerasimos Aravantinos, Nikolaos Anastasiou
- PA1744** **Segmentectomies with minimal invasive surgery**
Selma Mine Kara Apaydin (Ankara, Turkey), Funda Incekara, Koray Aydogdu, Sevki Mustafa Demiroz, Gokturk Findik
- PA1745** **Should we take the biopsy during EBUS staging in group 2r,2L?**
Igor Vasilev (St. Petersburg, Russian Federation), Andrey Skorockhod, Ivan Zaitcev, Piotr Yablonskii
- PA1746** **Minimally invasive lobectomy for localized single-sided pulmonary tuberculosis: preliminary results of one-year follow-up**
Grigorii Kudriashov (St. Petersburg, Russian Federation), Ekaterina Davydenkova, Sultan Gasanmagomedov, Igor Vasilev, Armen Avetisyan, Piotr Yablonskii
- PA1747** **Pneumostomy: an operative proposal - pilot study**
Julio Mott Ancona Lopez (Sao Paulo, Brazil), Roberto Saad Jr, Vicente Dorgan Neto, Marcio Botter, Camila Bertini Martins, Jorge Henrique Rivaben
- PA1748** **An audit review of safety and complication rates, of rigid bronchoscopy and large airways intervention, in a London tertiary centre**
Kavina Manalan (London, United Kingdom), Kate Ryan, Hussain Basheer, Agnieszka Crerar-Gilbert, Brendan Madden
- PA1749** **Effect of Vitamin C and vitamin E on Lung Contusion: a cohort,prospective Randomized Clinical Trial study**
Abdoulhossein Davoodabadi (Kashan, Islamic Republic of Iran)
- PA1750** **Retrospective analysis of 192 patients with pulmonary metastasectomy: a 12-year singlecenter experience.**
Yury Ragulin (Obninsk (Kaluga Oblast), Russian Federation), Evgeny Smolenov, Vladimir Usachev
- PA1751** **Significancy of systemic lymph node dissection in the treatment of typical bronchial carcinoid tumors: a critical review of endobronchial treatment**
Yusuf Kahya (Ankara, Turkey), Mehmet Ali Sakalli, Bülent Mustafa Yenigün, Cabir Yüksel, Serkan Enön, Ayten Kayı Cangır
- PA1752** **Airway management in tracheal resection for postintubation stenotic lesions**
Igor Medvinskiy (Yekaterinburg (Sverdlovsk), Russian Federation), Igor Motus, Alexander Bazhenov, Dmitriy Eremeev, Sergey Skorniyakov, Anna Tsvirenko
- PA1753** **How much prevention of postoperative recurrence by staple-line reinforcement on thoracoscopic blebectomy for spontaneous pneumothorax?**
Masao Naruke (Tokyo, Japan)

7.3J

Session 184

14:45 - 16:45

Poster discussion: Lung cancer: from early diagnosis to modern monitoring strategies

Disease(s) : [Airway diseases](#) [Thoracic oncology](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Endoscopy and interventional pulmonology Cell and molecular biology Epidemiology Public health General respiratory patient care Imaging

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Agata Raniszewska (Warszawa, Poland)

- PA1754** **Commuting in Los Angeles: lung cancer health risks of roadway, light-rail and subway transit routes**
Constantinos Sioutas (Los Angeles, United States of America), Christopher Lovett, Farimah Shirmohammadi, Mohammad H. Sowlat

- PA1755** **Genetic susceptibility, residential radon an lung cancer risk in never smokers. Results from the LCRINS Study**
María Torres-Durán (Vigo (Pontevedra), Spain), María Lorenzo-González, Isaura Parente-Lamelas, Virginia Leiro-Fernandez, José Abal-Arca, Carmen Montero-Martínez, Olalla Castro-Añón, Mariano Provencio-Pulla, Iria Vidal-García, Antonio Golpe-Gomez, Cristina Martinez, Roxirys Guzman-Taveras, Margarita Amenedo-Gancedo, Alberto Fernandez-Villar, Juan Miguel Barros-Dios, Alberto Ruano-Ravina

- PA1756 Novel non invasive early detection of lung cancer using liquid immunobiopsy metabolic activity profiles.**
Yochai Adir (Haifa, Israel), Shoval Tirman, Eyal Davidovits Davidovits, Irit Arbel, Giora Davidovits, Sonia Schneer, Michal Shteinberg, Fernando Patolsky
- PA1757 Liquid biopsy for EGFR mutations in non-small cell lung cancer cases by RT-PCR**
Altug Koc (Izmir, Turkey), Tuncay Goksel, Berna Komurcuoglu, Ozge Ozer Kaya, Berk Ozyilmaz, Pinar Gursoy, Yasar B. Kutbay, Ozgur Kirbiyik, Taha Resid Ozdemir, Kadri Murat Erdogan, Merve Saka Guvenc, Gizem Calibasi Kocal, Yasemin Baskin
- PA1758 The use of electronic nose technology for the detection of Lung Cancer (LC): analysis of exhaled volatile compounds by Aeonose®**
Ekaterina Krauss (Giessen, Germany), Jana Zoelitz, Jasmin Wagner, Guillermo Barretto, Maria Degen, Werner Seeger, Andreas Guenther
- PA1759 Breath analysis by ion mobility spectrometry allows to discriminate COPD from lung cancer patients.**
Lisa Brusselmans (Antwerpen, Belgium), Kevin Lamote, Jan Van Meerbeeck
- PA1760 Early detection of lung cancer in patients with COPD by eNose technology**
Rianne de Vries (Amsterdam, Netherlands), J. W. F. Dagelet, Frans H. C. De Jongh, Johannes H. H. C. In 'T Veen, Eric G. Haarman, Paul Baas, Michel M. Van Den Heuvel, Anke-Hilse Maitland-Van Der Zee, Peter J. Sterk
- PA1761 Detecting subtypes of non-small cell lung cancer by electronic nose.**
Sharina Kort (Enschede, Netherlands), Mayke Tiggeloven, Marjolein Brusse-Keizer, Hugo Schouwink, Frans De Jongh, Emanuel Citgez, Jan Willem Gerritsen, Job Van Der Palen
- PA1762 Detection of small cell lung cancer by electronic nose.**
Sharina Kort (Enschede, Netherlands), Marjolein Brusse-Keizer, Hugo Schouwink, Frans De Jongh, Emanuel Citgez, Jan Willem Gerritsen, Job Van Der Palen
- PA1763 Simultaneously detected nodules in lung cancers**
Seda Beyhan Sagmen (Istanbul, Turkey), Coskun Dogan, Nesrin Kiral, Elif Torun Parmaksız, Omer Zengin, Ali Fidan, Sevda Sener Comert
- PA1764 Preliminary results of a french pilot trial of lung cancer screening by low dose CT scan in the department of the Somme (DKP80).**
Olivier Leleu (Abbeville Cedex, France), Estelle Hoguet, Caroline Clarot, Mickael Baud, Elodie Barras, Valerie Petigny, Nicolas Benoit, Marianne Auquier, Bruno Chauffert, Pascal Berna, Vincent Jounieaux
- PA1765 Willingness to participate in lung cancer screening program according to USPSTF guidelines recommendations**
Narjes Zarei jalalabadi (Tehran, Islamic Republic of Iran), Enayat Safavi, Soheil Peyman
- PA1766 Chest CT reporting with nodule-tinted spectacles; does it affect nodule/lung cancer services?**
Deny Tsakri (Plovdiv, Bulgaria), Nefeli-Ioanna Paizi, Georgia Hardavella
- PA1767 'E-Noting Nodulomics': Automating Electronic Clinical Data Mining and Analysis of Pulmonary Nodules Using a Python Algorithm**
Richard Lee (London, United Kingdom), Rory Morrice, Georgia Hardavella
- PA1768 Automated Python Algorithm Analysis of Benign Pulmonary Nodules Discharged after 2 years Surveillance**
Richard Lee (London, United Kingdom), Rory Morrice, Sa Tran, Georgia Hardavella
- PA1769 Recommendation of proper follow-up for peripheral pulmonary lesions with non-malignant result by bronchoscopy**
Masahiro Higashiyama (Tokyo, Japan), Yuji Matsumoto, Toshiyuki Nakai, Midori Tanaka, Takaaki Tsuchida
- PA1770 Improved overall survival after late recurrence of lung cancer following the introduction of CT-based follow-up for patients treated with curative intent**
Niels-Chr. G. Hansen (Odense C, Denmark), Stefan S. Jeppesen, Christian B. Laursen, Erik Jakobsen

7.1A Session 188 17:00 - 18:00

Assembly members' meeting: Assembly 9 Allied respiratory professionals

Chairs : Irene Steenbruggen (Zwolle, Netherlands), Martijn A. Spruit (Horn, Netherlands)

17:15-19:15

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM

SEE PAGE 1

7.3P Session 202 **07:00 - 08:15****Challenging clinical cases: CC3 Lung cancer: personalised treatment and palliative care**

Aims : To describe a sophisticated treatment for small cell lung cancer and how to integrate palliative care into routine lung cancer care. Both approaches may be suitable for larger patient cohorts.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Dragana M. Jovanovi (Beograd, Republic of Serbia)

Managing the initial treatment and multiple relapses in a small cell lung cancer patient with limited disease 1853
Jair Bar (Tel-Aviv, Israel)

Integration of palliative care from the very beginning to the very end in a patient with metastasised non-small cell lung cancer 1854
Matthias Villalobos (Heidelberg, Germany)

07:00-08:15**INDUSTRY EARLY MORNING SYMPOSIUM****SEE PAGE 1****7.2D** Session 205 **07:00 - 08:15****Challenging clinical cases: CC4 Tuberculosis**

Drawing from the experience of the ERS/WHO TB Concilium

Aims : To increase awareness and knowledge of tuberculosis through discussion of challenging cases, including diagnosis, treatment of tuberculosis and co-morbidities in adults and children with a patient centred approach. To allow participants to have their say on selected cases through electronic voting on multiple choice questions.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Public health

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Pathologist, Patient, Physiotherapist, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Raquel Duarte (Porto, Portugal)

Design of tuberculosis treatment regimens for drug-resistant and intolerant patients – patient and clinician perspectives 1865
Simon Tiberi (London, United Kingdom)

Managing adult and children XDR-TB cases with limited clinical options 1866
Adrian Rendon (Monterrey, Mexico)

Disseminated multiorgan tuberculosis 1867
Ana-Marija Sola (Zagreb, Croatia)

Misleading Tuberculosis Cases 1868
Atalay Şahin (Diyarbakir, Turkey)

Disseminated tuberculosis in an immunocompetent patient: when the diagnosis is right under the nose 1869
João Nunes Caldeira Marinho Matos (Ponta Delgada, Portugal)

7.3J Session 206 **07:00 - 08:15****Challenging clinical cases: CC5 Pulmonary vasculitis: the great chameleon**

Aims : In this session, complex cases of ANCA associated vasculitis will be presented and discussed in an interactive fashion. These cases were clinically very difficult, and the session will describe how the diagnosis was made, the radiological and pathological patterns in the case, and the pathogenetic mechanisms that were identified. Brief discussion of treatment options will be presented. The aim is to increase knowledge about the modalities that were used to build up the clinical reasoning and the biological mechanisms that may connect different disorders.

Disease(s) : Interstitial lung diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Radiologist, Pathologist**Chairs :** Hilario Nunes (Bobigny, France)

Pulmonary vasculitis presenting as acute diffuse alveolar haemorrhage (DAH) Sara Colella (Teramo (TE), Italy)	1870
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Pulmonary ANCA-associated vasculitis mimicking a lung tumour or diffuse lung metastases (with positive PET-CT scan) Raphaël Borie (Paris, France)	1871
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Lung-limited Granulomatosis with polyangiitis (GPA) managed without immunosuppression Luis Ribeiro (London, United Kingdom)	1872
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Pulmonary vasculitis and malignancy - a great masquerader and diagnostic dilemma Deepak Kumar Parjapat (Faridabad (Haryana), India)	1873
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ANCA Associated Vasculitis in older patients Valentine Delmotte (Liège, Belgium)	1874
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7.3T Session 208 08:00 - 10:20

Skills workshop: SW7 Cardiopulmonary exercise test interpretation - tips and pitfalls

Aims : to identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Pierantonio Laveneziana (Paris Cedex 13, France)

Introduction	1883
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Relationship between oxygen uptake and work rate Richard Casaburi (Rancho Palos Verdes, United States of America)	1884
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Anaerobic/lactate threshold Susan Ward (Crickhowell, United Kingdom)	1885
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Breathing pattern and dynamic hyperinflation Pierantonio Laveneziana (Paris Cedex 13, France)	1886
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Ventilatory efficiency J. Alberto Neder (Kingston (ON), Canada)	1887
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7.3V Session 209 08:00 - 10:20

Skills workshop: SW10 Thoracic ultrasound

Aims : to provide an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology**Method(s) :** Imaging**Tag(s) :** Clinical**Target audience :** Radiologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Najib M. Rahman (Oxford, United Kingdom)

Introduction	1888
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Normal thoracic cavity Christian B. Laursen (Odense, Denmark), Sophie Laroumagne Dumetre (Marseille, France)	1889
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Pleural effusion and/or pleural thickening 1890
Horiana Grosu (Houston, United States of America), Gilles Mangiapan (Creteil, France)

Case studies 1891
John Wrightson (Oxford, United Kingdom)

Guided pleural aspiration and lymph node biopsy using models 1892
Rahul Bhatnagar (Bristol, United Kingdom), Anna Bibby (Bristol (Avon), United Kingdom)

7.3A Session 210 08:30 - 10:30

Grand round: Paediatric Grand Round

Aims : To present paediatric cases with respiratory problems and typical and difficult questions. The audience will be engaged in discussions about the best clinical care and will receive an update on paediatric respiratory medicine.

Disease(s) : Paediatric respiratory diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Bart L. Rottier (Groningen, Netherlands), Monika Gappa (Wesel, Germany)

08:30 A 14-year-old girl with breathlessness 1893
Theofilos Polychronakis (Cambridge (Cambridgeshire), United Kingdom)

09:00 A 12-year-old boy with therapy-resistant asthma 1894
Eva Ter Haar (Wilsele, Belgium)

09:30 A 6-month-old boy with poor growth and tachypnoea 1895
Ignacio Iglesias-Serrano (Barcelona, Spain)

10:00 A 6-day-old girl with tachypnoea and cyanosis 1896
Kamal Masarweh (, Israel)

7.3N Session 211 08:30 - 10:30

Symposium: State of the art session: Thoracic oncology

Aims : The 2018 lung cancer state of the art session will provide new perspectives on issues in lung cancer that remain unsolved. The session will start with a profound review of recent findings about tumour biology and then present a comprehensive update on multimodal strategies in three prognosis-determining treatment areas.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Public health Surgery Transplantation

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Giulia Maria Stella (Pavia (PV), Italy), Dimitri Leduc (Bruxelles, Belgium)

08:30 The latest in lung cancer tumour biology 1897
Céline Mascaux (Allauch, France)

09:00 Lung cancer and interstitial lung disease 1898
Jacques Cadranel (Paris Cedex 20, France)

09:25 Multimodal management of brain metastases in lung cancer 1899
Torsten Gerriet Blum (Berlin, Germany)

09:50 Rational approaches to pleural malignancies 1900
Jan van Meerbeeck (Edegem (Antwerp), Belgium)

10:15 ERS statement on harmonised standards for lung cancer registration and lung cancer services in Europe 1901
Anna Rich (Nottingham (Nottinghamshire), United Kingdom)

7.1A Session 212 08:30 - 10:30

Year in review: Therapeutic breakthroughs Year in Review

Tag(s) : Clinical

Chairs : Eva Van Braeckel (Ghent, Belgium), Raffaele Scala (Arezzo, Italy), Matteo Bonini (London, United Kingdom)

08:30	High-flow nasal therapy in acute and chronic respiratory failure Alexandre Demoule (Paris, France)	1902
09:00	Tezacaftor-ivacaftor for the treatment of cystic fibrosis: what's next? Jane C. Davies (London, United Kingdom)	1903
09:30	Breathing training and inspiratory muscle training: a go or no go for patients with dyspnoea? Daniel Langer (Leuven, Belgium)	1904
10:00	Pleural disease (with a focus on malignant pleural disease) Nick Maskell (Bristol (Avon), United Kingdom)	1905

7.1B Session 213 08:30 - 10:30

Symposium: New trends in the management of difficult-to-wean patients

Multidisciplinary approach

Aims : to discuss new trends in the multidisciplinary approach to patients with chronic critical illnesses.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Nurse, Physiotherapist, Adult pulmonologist/Clinician

Chairs : João Carlos Winck (Vila Nova de Gaia, Portugal), Lise Piquilloud (Lausanne, Switzerland)

08:30	Prolonged mechanical ventilation - definitions and outcome Laurent Brochard (Toronto (ON), Canada)	1906
09:00	Why can my patient not be weaned from the ventilator? Leo M.A. Heunks (Amsterdam, Netherlands)	1907
09:30	Evaluation of swallowing dysfunction and treatment with Passy-Muir valve Christina Iezzi (London, United Kingdom)	1908
10:00	Challenges associated with whole body rehabilitation in difficult-to-wean patients Michele Vitacca (Gussago (BS), Italy)	1909

7.3C Session 214 08:30 - 10:30

Symposium: Sleep apnoea: is it time for new therapies?

Aims : to describe new treatment alternatives to continuous positive airway pressure. New pathophysiological phenotyping studies of upper airway function in obstructive sleep apnoea (OSA) have opened the way to new treatment strategies. This session will examine these new possibilities and thereby provide an overview on the current and future developments in the treatment of OSA.

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, Physiologist, Trainee, Adult pulmonologist/Clinician

Chairs : Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Anita Simonds (London, United Kingdom)

08:30	The physiological phenotypes of OSA - the PALM scale approach Danny Eckert (Randwick (NSW), Australia)	1910
09:00	Can we use drugs to modulate upper airway function in OSA? Luigi Taranto Montemurro (Boston, United States of America)	1911
09:30	Hypoglossal nerve stimulation Olivier M. Vanderveken (Edegem (Antwerp), Belgium)	1912
10:00	Mandibular advancement devices - short- and long-term effects Marie Marklund (Umea, Sweden)	1913

7.3Z1

Session 215

08:30 - 10:30

Symposium: Rare lung diseases

Joint ERN-LUNG/ERS symposium

Aims : The ERN-LUNG and the ERS have joined forces to fight rare diseases of the respiratory system. The aim of this joint session is to increase awareness of rare diseases of the respiratory system and to demonstrate the support that the ERN-LUNG can provide in rare lung diseases with respect to clinical care and research, cross-border advice to patients and care team members, cross-border consultations and cross-border referral.

Disease(s) : **Interstitial lung diseases** Pulmonary vascular diseases

Method(s) : General respiratory patient care Public health Transplantation

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Scientist (basic, translational), Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Guy Brusselle (Ghent, Belgium), Marc Humbert (Paris, France)

08:30	Lung transplantation in rare lung diseases: the problem of chronic lung allograft dysfunction (CLAD) Tobias Welte (Hannover, Germany)	1914
09:00	What do patients expect from ERN-LUNG? Gergely Meszaros (Budapest, Hungary)	1915
09:30	From childhood to adulthood: growing up with a rare lung disease such as cystic fibrosis Cornelis Kors van der Ent (Utrecht, Netherlands)	1916
10:00	Rare diseases registries such as the Rare Lung Disease Registry Data Warehouse Holger Storf (Frankfurt, Germany)	1917

7.3B

Session 216

08:30 - 10:30

Oral presentation: New modalities in asthma treatment

Disease(s) : **Airway diseases**

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Cell and molecular biology

Chairs : Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India), Tiziana Patrizia Cremona (Bern, Switzerland)

OA1918	Evaluation in a severe asthma expert center improves asthma outcomes. Camille Begne (Perigues, France), Aurélien Justet, Laure Tabèze, Clairelyne Dupin, Catherine Neukirch, Raphaël Borie, Marie-Christine Dombret, Bruno Crestani, Camille Taillé
OA1919	Increased sputum FKBP51 gene expression following Azithromycin add-on therapy in asthma Jodie Simpson (New Lambton, Australia), Stephany Sanchez-Ovando, Heather Powell, Kavita Pabreja, Ian Yang, John Upham, Paul Reynolds, Sandra Hodge, Alan James, Christine Jenkins, Matthew Peters, Guy Marks, Melissa Baraket, Peter Gibson
OA1920	Unbiased clinical cluster analysis of patients of ProAR Asthma Cohort. Alvaro A. Cruz (Salvador (BA), Brazil), Aruna T. Bansal, Eduardo V. Ponte, Adelmir Souza-Machado, Paula C. Almeida, Valmar Biao-Lima, Stewart Bates, John H. Riley
OA1921	Bronchial Thermoplasty Global Registry: One Year Results Alfons Torrego Fernandez (Barcelona, Spain), Felix Herth, Ana M Munoz, Luis Puente, Nicola Facciolo, Stephen Bicknell, Mauro Novali, Stefano Gasparini, Martina Bonifazi, Keertan Dheda, Felipe Andreo, Jiří Votruba, David Langton, Javier Flandes, David Fielding, P. I. Bonta, Dirk Skowasch, Alvin Ing, Christian Schulz, Kaid Darwiche, Edmund McMullen, Fran Nolan, Robert Niven, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Martin Iversen (martin@iversen-net.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Johan Malmstroem (johan.malmstrom@med.lu.se / Division of Infection Medicine, Department of Clinical Sciences Lund, Lund University, Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science, Lund University, Lund)
OA1922	SURFACTANT THERAPY IN PATIENTS WITH SEVERE UNCONTROLLED BRONCHIAL ASTHMA Ekaterina Kozlova (Chita, Russian Federation), Alena Akulova, Olga Stepanova, Konstantin Shapovalov, Sergey Lukyanov, Oleg Rosenberg,
OA1923	Cell type specific heat-shock-protein responses to bronchial thermoplasty in severe asthma treatment Lei Fang (Basel, Switzerland), Lei Fang, Michael Tamm, Michael Roth, Daiana Stolz

7.3Z2

Session 217

08:30 - 10:30

Hot topics: Pulmonary embolism: what we need to know

Aims : Aims: At the end of the session, attendees will be able to: (i) risk stratify patients with acute symptomatic pulmonary embolism (PE); (ii) identify patients with low-risk PE who might benefit from outpatient therapy; (iii) choose the right direct oral anticoagulant for the right patient with acute symptomatic PE; and (iv) identify patients with intermediate-risk PE who might benefit from early recanalisation procedures.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Student, Adult pulmonologist/Clinician

Chairs : Menno Huisman (Aerdenhout, Netherlands), David Jiménez Castro (Madrid, Spain)

08:30	Helping the pulmonary embolism response team (PERT) determine the severity of PE in triage: guidelines Olivier Sanchez (Paris, France)	1924
09:00	Initial outpatient management of PE: who and how? Luke Howard (London, United Kingdom)	1925
09:30	Update on novel anticoagulants: indications, dosing alternatives and outcomes Cecilia Becattini (Perugia (PG), Italy)	1926
10:00	Advanced therapies for life-threatening PE: low-dose systemic thrombolysis, catheter-directed thrombolysis and extracorporeal membrane oxygenation (ECMO) Mareike Lankeit (Mainz, Germany)	1927

7.3K Session 218 08:30 - 10:30

Symposium: Cross-talk in the lung microenvironment: implications for chronic lung disease

Aims : to summarise the novel findings regarding the cross-talk in the lung microenvironment that were discussed at the ERS Research Seminar (February 2018, Berlin). A mechanistic understanding of the cell-cell and cell-microbe communications in the lung microenvironment will promote the development of novel preventative strategies or therapies for chronic lung disease. Therefore, this symposium will focus on different aspects of the cellular communication mechanisms in the lung that participate in health and disease, including communication via soluble factors and the transfer of extracellular vesicles. The influence of microbial factors on these communication mechanisms will also be discussed.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee

Chairs : Sabine Bartel (Borstel, Germany), Reinoud Gosens (Groningen, Netherlands)

08:30	Cellular cross-talk in the airway epithelial mesenchymal trophic unit Donna E. Davies (Southampton (Hampshire), United Kingdom)	1928
09:00	Gut-lung cross-talk in chronic respiratory disease Philip Hansbro (Callaghan, Australia)	1929
09:30	Early interventions with bacterial metabolites to prevent the development of chronic lung diseases Susanne Krauss-Etschmann (Borstel, Germany)	1930
10:00	Extracellular vesicles and their role in lung homeostasis and disease Susanne Gabrielsson (Stockholm, Sweden)	1931

7.3Q Session 219 08:30 - 10:30

Oral presentation: COPD and chronic respiratory disease: from misclassification to radiological findings

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Imaging General respiratory patient care Epidemiology Public health

Chairs : Joan B Soriano (Madrid, Spain), Anne Lindberg (Boden, Sweden)

OA1932	Late Breaking Abstract - The effects of smoking cessation and FAM13A gene susceptibility on lung function decline: A 16-year follow-up study among male smokers Soriul Kim (Ansan, Republic of Korea), Ki Yeol Lee, Seung Ku Lee, Hyeon Min Ahn, Regina Ey Kim, Chol Shin
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- OA1933** **Beta-blocker, aspirin and statin usage after myocardial infarction in patients with and without COPD. A nationwide analysis from 1995 to 2015 in Denmark**
Daniel Rasmussen (Glumsø, Denmark), Uffe Bodtger, Morten Lamberts, Peter Lange, Magnus Jensen
- OA1934** **Changing causes of mortality for people with chronic respiratory diseases**
Alicia Gayle (London, United Kingdom), Eleanor Axson, Chloe Bloom, Vidya Navaratnam, Jennifer Quint
- OA1935** **Decrease in prevalence of COPD in Sweden after decades of decrease in smoking**
Helena Backman (Lulea, Sweden), Linda Ekerljung, Berne Eriksson, Caroline Stridsman, Roxana Mincheva, Linnea Hedman, Stig Hagstad, Anne Lindberg, Anders Ullman, Eva Ronmark, Bo Lundback
- OA1936** **Self-reported intake of fruit and vegetables and risk of chronic obstructive pulmonary disease: a nation-wide twin study**
Howraman Meteran (København, Denmark), Simon Francis Thomsen, Martin R Miller, Jacob Hjelmberg, Torben Sigsgaard, Vibeke Backer
- OA1937** **Coagulation markers in COPD**
Gunnar Reksten Husebø (Fana, Norway), Esteban Gabazza, Corina D'Alessandro, Marianne Aanerud, Masaaki Toda, Rune Grønseth, Per S. Bakke, Tomas Mikal Lind Eagan
- OA1938** **Misdiagnosis of OADs in community patients with inhaled prescription medication for shortness of breath**
William Midodzi (St. John's (NL), Canada), Jenese Nugent, Michael Asamoah-Boaheng, Zhiwei Gao, Jamie Farrell
- OA1939** **Increase in hospital admissions in smokers with Interstitial Lung Abnormalities in the Danish Lung Cancer Screening Trial (DLCST)**
Nils Hoyer (København NV, Denmark), Laura Thomsen, Mathilde Wille, Torgny Wilcke, Asger Dirksen, Jesper Pedersen, Zaigham Saghir, Haseem Ashraf, Saher Shaker

7.3M

Session 220

08:30 - 10:30

Oral presentation: Novel drug targets for asthma and COPD

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Physiology

Chairs : Ian M. Adcock (London, United Kingdom), Loes E. M. Kistemaker (Groningen, Netherlands)

- OA1940** **Late Breaking Abstract - RPL554, a first-in-class dual PDE3/4 inhibitor, causes significant bronchodilation and symptom relief; a Phase 2b COPD study**
Dave Singh (Manchester, United Kingdom), Brian Maurer, Fernando Martinez, Kenneth Newman
- OA1941** **Anti-inflammatory effects of the JAK inhibitor tofacitinib in two murine house dust mite -driven models of asthma.**
Anna Rita Pisano (Parma (PR), Italy), Daniela Miglietta, Fabio Bignami, Andrew Allen, Matteo Biagetti, Giancarlo Aquino, Chiara Carnini, Maurizio Civelli, Gino Villetti
- OA1942** **Hydrogen sulphide donors prevent hyperreactivity of mice tracheas in an in vitro lipopolysaccharide-induced inflammation model**
Yasemin Karaman-Kutluay (Ankara, Turkey), Yesim Kaya-Yasar, Turgut Emrah Bozkurt, Inci Sahin-Erdemli
- OA1943** **Aerosolized TLR7 Imidazoquinoline Agonist Bronchodilates In Vivo**
Matthew Drake (Portland, United States of America), Becky Proskocil, Katherine Lebold, Emily Blum, Allison Fryer, David Jacoby
- OA1944** **IL-33 blockade impacts mediators of persistence and exacerbation of chronic airway inflammation.**
Jeanne Allinne (Tarrytown, United States of America), George Scott, Dylan Birchard, Amit Agrawal, Li-Hong Ben, Wei Keat Lim, Jee Hae Kim, Vishal Kamat, Andrew Murphy, Matthew Sleeman, Jamie Orengo
- OA1945** **Targeting NADPH oxidase-2 reduces cigarette smoke-induced lung inflammation and skeletal muscle wasting in mice**
Ivan Bernardo (Melbourne (VIC), Australia), Samantha Passey, Huei Jiunn Seow, Steven Bozinovski, Ross Vlahos
- OA1946** **Efficacy of a novel PI3Kd inhibitor, DS-1515 in animal models of asthma**
Masakatsu Suzuki (Tokyo, Japan), Kiyoshi Morimoto, Shinnosuke Yamada, Puneet Chopra, Sandeep Sinha, Shashi Kant Singh, Harikesh Kalonia, Somnath Wagh, Rajkumar Shirumalla, Manish Diwan

7.30

Session 221

08:30 - 10:30

Oral presentation: Occupational and environmental lung diseases: from early influences and novel exposures to preventative approaches

Disease(s) : Airway diseases Respiratory infections Thoracic oncology Interstitial lung diseases Respiratory critical care
Pulmonary vascular diseases Respiratory infections

Method(s) : General respiratory patient care Epidemiology Public health

Chairs : David Fishwick (Sheffield (South Yorkshire), United Kingdom), Nicola Murgia (Perugia (PG), Italy)

- OA1947** **Late Breaking Abstract - Analysis of chronic occupational exposure in non-smoking insulators**
Samineh Kamravaei (Edmonton, Canada), Kawtar Idrissi Machichi, Noushin Miandashti, Jennifer Spring, Linda Henderson, Meghan Dueck, Lei Pei, Fadi Khadour, Paige Lacy, Muhammad T. Naseem, Lyle Melenka
-
- OA1948** **Influence of childhood asthma and allergies on occupational exposure in early adulthood: a prospective cohort study**
Orianne Dumas (Villejuif, France), Nicole Le Moual, Adrian J Lowe, Caroline J Lodge, Jan-Paul Zock, Hans Kromhout, Bircan Erbas, Jennifer Perret, Shyamali C Dharmage, Geza Benke, Michael J Abramson
-
- OA1949** **Using digital and social media to highlight the risks of occupational exposures as a cause of lung diseases**
Emma Thompson (Sheffield (South Yorkshire), United Kingdom), Pippa Powell, Dick Heederik, Martie Van Tongeren, Sara De Matteis, Saskia Weldam, Dan Smyth, Ewelina Szymtke, David Fishwick
-
- OA1950** **Update of the British Occupational Health Research Foundation (BOHRF) guidelines on occupational asthma.**
Sara De Matteis (London, United Kingdom), Johanna Feary, Jim Macfarlane, Diane Romano-Woodward, Joanna Szram, Gareth Walters, Ruth Wiggans, Paul Cullinan
-
- OA1951** **Work tasks and occupations as risk factors for asthma in a sample of urban healthcare workers**
Paul K. Henneberger (Morgantown, United States of America), Morgan Caridi, Michael Humann, Xiaoming Liang, Feng-Chiao Su, Aleksandr Stefaniak, Ryan Lebouf, Marcia Stanton, Abbas Virji
-
- OA1952** **Effect of welding fumes on rhinitis symptoms and nasal patency: Quebec apprentice cohort study**
Eva Suarhana (Montréal (Québec), Canada), Mahsa Taghiakbari, Alfi Afadiyanti Parfi, Meshack Achore, Mariam El-Zein, Mounia Rhazi, Denyse Gautrin, Roberto Castano
-
- OA1953** **Functional, Inflammatory and Imaging Impairments due to Artificial Stone Dust (ASD) ultrafine particles(UFP) exposure.**
Elizabeth Fireman (Tel-Aviv, Israel), Noa Ophir, Amir Bar Shai, Rafi Korenstein, Mordec Kramer
-
- OA1954** **Evaluation of autopsy data for occupational lung disease surveillance in South African miners.**
Jill Murray (Johannesburg, South Africa), Ntombizodwa Ndlovu, Guy A Richards

7.3P Session 222 08:30 - 10:30

Oral presentation: New developments in tuberculosis

Disease(s) : Respiratory infections Respiratory infections

Method(s) : Epidemiology Cell and molecular biology General respiratory patient care Public health

Chairs : Simon Tiberi (London, United Kingdom), Raquel Duarte (Porto, Portugal)

- OA1955** **Late Breaking Abstract - Correlation of sputum microRNA-144 expression levels with treatment response among pulmonary tuberculosis patients**
R Vimal Raj (Salem (Tamil Nadu), India), T S Anitha, Ranganadin Pajanivel, Chandrasekar Adithan, K Surendra Menon
-
- OA1956** **Isoniazid mono-resistance negatively affects tuberculosis treatment outcomes in Europe**
Marieke van der Werf (Stockholm, Sweden), Basel Karo, Anke Kohlenberg, Vahur Hollo, Raquel Duarte, Lena Fiebig, Sarah Jackson, Cathriona Kearns, Csaba KöDmÖN, Maria Korzeniewska-Kosela, Dimitrios Papaventsis, Ivan Solovic, Dick Van Soelingen
-
- OA1957** **World Health Organization guidance on the treatment of isoniazid-resistant tuberculosis**
Dennis Falzon (Genève, Switzerland), Licé Gonzalez Angulo, Ernesto Jaramillo, Karin Weyer
-
- OA1958** **Management of tuberculosis in the European Union: a multicentre audit**
Senia Rosales-Klintz (Solna, Sweden), Lia D'Ambrosio, Rosella Centis, Remi Verduin, Massimo Amicosante, Ana Maria Correia, Andra Cirule, Raquel Duarte, Blagovesta Gadzheva, Gina Gualano, Heinke Kunst, Fabrizio Palmieri, Vija Riekstina, Donka Stefanova, Simon Tiberi, Giovanni Sotgiu, Giovanni Battista Migliori, Marieke J. Van Der Werf
-
- OA1959** **Clinical significance of low serum isoniazid level among the patients with drug-sensitive pulmonary tuberculosis who showed delayed smear or culture conversion.**
Ju Sang Kim (Incheon, Republic of Korea), Yong Hyun Kim, Jin Woo Kim, Jick Hwan Hah, Ah Young Shin, Hyung Woo Kim, Jung Hyun Ahn
-
- OA1960** **Protective capacity of a new TB vaccine**
Vladislav Gergert (Moscow, Russian Federation), Atadjan Ergeshov, Vladimir Yermeev

OA1961 Short 12-month regimen with intravenous linezolid for MDR-TB: treatment outcomes and first follow up results.
Nataliia Lytvynenko (Kyiv, Ukraine), Hanna Varytska, Maryna Pogrebna, Yulia Senko, Oksana Chobotar

OA1962 Regulation of apoptosis via the PARK7 interactome in peripheral blood mononuclear cells donated by tuberculosis patients vs. controls and the response to treatment: a systems biology approach.
George Vavougios (Larissa, Greece), Sotirios Zarogiannis, Karen Krogfelt, Konstantinos Gourgoulanis

7.3L Session 223 08:30 - 10:30

Poster discussion: Pleural diseases and pneumonia: what's new ?

Disease(s) : Airway diseases Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Surgery General respiratory patient care Epidemiology Cell and molecular biology

Chairs : Francesco Blasi (Milan, Italy), Nikolaos M. Siafakas (Heraklion (Crete), Greece)

PA1963 Late Breaking Abstract - Etiology of nosocomial pneumonia in multidisciplinary hospital
Andrey Petrov (St. Petersburg, Russian Federation), Wendi Quintana, Pablo Mosquera, Svetlana Rachina, Zhanna Kobalava, Tatyana Dmitrova, Yulia Yanovich, Ludmila Ezhova

PA1964 Management of complex pleural space infections: As the pendulum swings
Anee Sophia Jackson (Seattle, United States of America), Joshua R Rayburn, Carson C Fuller, Candice L Wilshire, Christopher R Gilbert, Brian E Louie, Ralph W Aye, Eric Vallières, Alex S Farivar, Adam J Bograd, Jed A Gorden

PA1965 Bedside Ultrasound and Pigtail Catheters for Management of Pleural Effusion in Geriatric Population
Edward Altman (Nahariya, Israel), Boris Svirsky, Subhi Azzam, Alexander Samokhvalov, Ronny Makhoul, Edward Kaykov

PA1966 Efficacy of a multiplex bacterial PCR in identifying pathogens in pleural empyema
Léo Franchetti (Basel, Switzerland), Desiree Schumann, Michael Tamm, Kathleen Jahn, Daiana Stolz

PA1967 Digital airflow measurement early in treatment course for spontaneous pneumothorax predicting surgical referral
Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Magda Laskawiec, Najib Rahman

PA1968 Different approaches of chest drainage in the management of the primary spontaneous pneumothoraces.
Nicolas Carnot (Toulouse, France), Marion Dupuis, Sandrine Pontier, Florian Laborde, Laurent Brouchet, Alain Didier

PA1969 Spontaneous pneumothorax – 5 years review
Maria João Freitas Ferreira Araújo (Guimarães, Portugal), Filipa Aguiar, Raquel Pereira, Joana Lages, Ana Luisa Vieira, Lurdes Ferreira, João Cunha

PA1970 Alpha1-antitrypsin deficiency in primary spontaneous pneumothorax
Eunice Maria Ferreira Da Eira Marques Dias (Pombal, Portugal), Ana Filipa Costa, Lília Santos

PA1971 The use of antiviral drug Ribavirin in cases of viral-bacterial community acquired pneumonia
Mikhail Kharitonov (St. Petersburg, Russian Federation), Andrey Nikolayev, Mikhail Zhurkin, Vladimir Ivanov, Yuriy Rudakov

PA1972 Phagocytic ability of granulocytes and monocytes in elderly patients with community acquired pneumonia
Elif Torun Parmaksiz (Istanbul, Turkey), Ali Inal, Benan Çağlayan, Coşkun Doğan, Ali Fidan, Nesrin Kiral, Sevda Cömert

PA1973 Risk factors for early onset severe community-acquired pneumonia complications
Vaida Averjanovaitė (Vilnius, Lithuania), Rūta Saikalytė, Giedrė Cincilevičiūtė, Gabrielė Kučinskaitė, Domantė Mačiulytė, Andrius Kontrimas, Vaida Maksimaitytė, Rolandas Zablockis, Edvardas Danila

PA1974 The utility of CURB-65 scoring in the acute management of radiologically proven pneumonia
Alana Livesey (Birmingham (West Midlands), United Kingdom), Pradeep Mallisetty, Touqeer Raja, Hammad Tariq, James Biggs, Tricia Balram, Alice Castle, Divyanish Dogar, Biman Chakraborty, Rahul Mukherjee

PA1975 Influence the phosphatidylcholine treatment program on surfactant protein D levels in hypertensive patients with community-acquired pneumonia
Olga Shtepa (Dnipropetrovsk, Ukraine), Tetyana Pertseva

PA1976 Antibiotic treatment in community and hospital acquired pneumonia complicated by Clostridium difficile infection.
kasia zycinska (Warsaw, Poland)

PA1977 Comparative laboratory evaluation of systemic inflammatory respond in patients with opium drugaddiction and community-acquired pneumonia
Oksana Viltsaniuk (Vinnitsa, Ukraine), Yuriy Mostovoy, Anastasiia Hunko

PA1978 Incidence and predictors of QT interval prolongation in the intensive care units of a tertiary pulmonary center
Shadi Baniasadi (Tehran, Islamic Republic of Iran), Zeinab Hosseinpoor, Behrooz Farzanegan, Seyyed Reza Seyyedi, Mehdi Rajabi, Habib Emami

PA1979 Evaluation of a bespoke and innovative model of care to reduce emergency admissions for community acquired pneumonia.
Onnor Hampson (Liverpool, United Kingdom), Emma Rickards, Dennis Wat, Sarah Sibley

PA1980 Pulmonary outcomes in adults with a history of Bronchopulmonary Dysplasia (BPD)
Petra Um-Bergström (Sollentuna, Sweden), Jenny Hallberg, Melvin Pourbazargan, Eva Berggren-Broström, Giovanni Ferrara, Maria Eriksson, Sven Nyrén, Gunnar Lilja, Anders Lindén, Åsa Wheelock, Erik Melén, Magnus Sköld

Terminal 7 Session 224 08:30 - 10:30

Oral presentation: Determinants of physical activity behaviour in patients with COPD and the physiotherapist as a physical activity coach

Disease(s) : [Airway diseases](#)

Method(s) : Public health Epidemiology General respiratory patient care

Chairs : Fábio de Oliveira Pitta (Londrina (PR), Brazil), Claire M. Nolan (London, United Kingdom)

OA1981 Associations of sedentary behaviour and physical activity phenotypes with health outcomes in COPD: a cohort study
Zoe McKeough (Sydney (NSW), Australia), Sonia Cheng, Jennifer Alison, Christine Jenkins, Emmanuel Stamatakis

OA1982 Characterization of COPD patients with severe airflow limitation and high physical activity
Elena Gimeno-Santos (Barcelona, Spain), Isabel Blanco, Robert Rodriguez-Roisin, Ane Arbillaga-Etxarri, Eva Balcells, Anael Barberan-Garcia, Marta Benet, Alicia Marin, Monica Monteagudo, Pilar Ortega, Diego A. Rodriguez, Pere J Simonet, Pere Toran, Judith Garcia-Aymerich

OA1983 Heterogeneity of physical activity and its relationship with clinical outcomes in patients with COPD
Karina Couto Furlanetto (Londrina (PR), Brazil), Raquel Pastrello Hirata, Lorena Paltanin Schneider, José Roberto Lopes, Mariana Pereira Bertoche, Joice Mara Oliveira, Camila Bonomo, Felipe Machado, Leticia Fernandes Belo, Thais Paes, Antenor Rodrigues, Nidia Aparecida Hernandez, Fabio Pitta

OA1984 Physical activity in patients with COPD: a reference frame based on functional capacity
Heleen Demeyer (Leuven, Belgium), Nicola Sante Diciolla, Matthias Loeckx, Fernanda Rodrigues, Astrid Blondeel, Daniel Langer, Rik Gosselink, Wim Janssens, Thierry Troosters

OA1985 Improving walking capacity promotes physical activity during pulmonary rehabilitation
Susan Lassche (Groesbeek, Netherlands), Jeannette Peters, Hanneke Van Helvoort, Alex Van 'T Hul, Jeroen Van Hees

OA1986 Physical activity enhancing programme (PAEP) in COPD – a randomised controlled trial
Leandro Mantoani (Edinburgh (Edinburgh), United Kingdom), Brian Mckinstry, Susan McNarry, Susan Mullen, Susan Begg, Privender Saini, Mareike Klee, William Macnee, Roberto Rabinovich

OA1987 Determinants of study completion and response to a 12-month physical activity intervention in COPD
Maria Koreny (Madrid, Spain), Heleen Demeyer, Ane Arbillaga-Etxarri, Elena Gimeno-Santos, Anael Barberan-Garcia, Marta Benet, Eva Balcells, Eulàlia Borrell, Diego A Rodríguez, Pere Vall-Casas, Jordi Vilaró, Robert Rodríguez-Roisin, Judith Garcia-Aymerich

7.2A Session 225 08:30 - 10:30

Poster discussion: Integrating pharmacological and non-pharmacological management in COPD: are we there yet?

Disease(s) : [Airway diseases](#)

Method(s) : Cell and molecular biology Public health Epidemiology General respiratory patient care

Chairs : Nicolas Roche (Paris, France), Lowie Vanfleteren (Horn, Netherlands)

PA1988 Late Breaking Abstract - A randomized clinical study to assess the impact of budesonide/formoterol (BUD/FM) pMDI medication reminders on adherence in COPD patients
Gerard J. Criner (Philadelphia, United States of America), Therese Cole, Kristen Hahn, Kari Kastango, James Eudicone, Ileen Gilbert

PA1989 Evaluation of safety, tolerability, pharmacokinetics, and food effect of Danirixin oral tablets in Japanese elderly healthy subjects
Yuki Matsuzawa (Tokyo, Japan), Hirofumi Ogura, Takashi Nagakubo, Akira Wakamatsu, Claire Ambery, Bruce Miller, Yotaro Numachi

- PA1990** **Population health impact of Indacaterol/Glycopyrronium over 4 years in chronic obstructive pulmonary disease**
Florian S. Gutzwiller (Basel, Switzerland), Konstantinos Kostikas, Emilie Gruen, Manisha Sekharan
-
- PA1991** **Risk of exacerbation and pneumonia with single inhaler triple versus dual therapy in IMPACT**
Mark Dransfield (Birmingham, United States of America), Courtney Crim, Gerard Criner, David Halpin, Meilan Han, C. Elaine Jones, Sally Kilbride, Peter Lange, David Lipson, David Lomas, Fernando Martinez, David Singh, Robert Wise
-
- PA1992** **Eosinophils as a predictor of mepolizumab treatment responses in COPD**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Gerard Criner, Huib Kerstjens, Eric Bradford, Stephanie Schweiker Harris, Oliver Keene, Bhabita Mayer, David Rubin, Steven Yancey, Daniel Bratton
-
- PA1993** **Reduced glucocorticoid receptor binding affinity in blood lymphocytes and monocytes of COPD patients**
Anatoli Tahanovich (Minsk, Belarus), A.G. Kadushkin, L.V. Movchan, T.V. Shman, V.V. Levandovskaya
-
- PA1994** **Real-life data on COPD treatment**
Leila Karimi Gazafroudi (Rotterdam, Netherlands), Esmé J Baan, Tiana Geeraerd, Johan Van Der Lei, Bruno H C Stricker, Guy G Brusselle, Lies Lahousse, Katia M Verhamme
-
- PA1995** **Personalized treatment through an inhaler device, adjustable to patient's respiratory profile**
Konstantinos Zarogoulidis (Thessaloniki, Greece), Paul Zarogoulidis, Stavroula Rozou, Konstantinos Porpodis, Kelly Domvri, Nikolaos Michailidis, Savvas Petanidis, Efrosini Kioseoglou, Dimitra Psalla
-
- PA1996** **Single inhaler triple therapy in patients with COPD: patient-reported dyspnoea and health status from the IMPACT Trial**
Maggie Tabberer (Uxbridge (Middlesex), United Kingdom), Christine Elaine Jones, Sally Kilbride, Gerard J Criner, Peter Lange, Meilan K Han, Fernando Martinez, David A Lipson
-
- PA1997** **FACTORS INFLUENCING PHARMACOLOGICAL TREATMENT IN COPD PATIENTS ENROLED IN AN INTEGRATED DISEASE MANAGEMENT PROGRAMME (IDMP)**
Maurizio Moretti (Modena (MO), Italy), Sara Balestracci, Manuela Latorre, Anna Porcu, Alberto Rocchi
-
- PA1998** **Can a telemonitoring system lead to decreased hospital admissions in elderly patients?**
Johan Lyth (Linköping, Sweden), Leili Lind, Daniel Karlsson, Lennart H. Persson, Ann-Britt WiréHn
-
- PA1999** **An evaluation of 'care bundles' as a means of improving hospital care for patients with COPD: results of a multi-centre study in the UK**
James Calvert (Bristol, United Kingdom), Katherine Morton, Emily Sanderson, Pdraig Dixon, Sue Jenkins, Stephanie Macneill, Chris Metcalfe, Alison Shaw, Melanie Chalder, William Hollingsworth, Jonathan Benger, Sarah Purdy
-
- PA2000** **Implementation of an integrated care pathway based in a population health approach in Bilbao for Chronic Obstructive Pulmonary Disease patients**
María Mar Martínez (Bilbao (Bizkaia), Spain), Ignacio Arriaga-Lariz, Gemma Fernández-Peñalba
-
- PA2001** **Cost-effectiveness analysis of a Home-based disease management intervention for patients with severe COPD alongside the COMET study.**
Denis GRANADOS (Gentilly, France), Jean Bourbeau, Romain Kessler, Isabelle Durand-Zaleski, Stéphane Roze
-
- PA2002** **Clinical management of patients newly diagnosed with COPD through targeted case finding and routine care: a longitudinal analysis of the TargetCOPD trial**
Shamil Haroon (Birmingham (West Midlands), United Kingdom), Andrew Dickens, Peymane Adab, Alexandra Enocson, David Fitzmaurice, Rachel Jordan
-
- PA2003** **Healthcare resource consumption in Italian patients with COPD: The MISTRAL study**
Giuseppe Vallo (Lipomo (CO), Italy), Giosue Catapano, D. R. Bonardi, Carlo Pomari, Francesco Tursi, Marta Bartezaghi, P. A. Porpiglia, Paolo Morini
-
- PA2004** **Comparison of Clinical Efficacy and Safety between ultraLABAs and ultraLAMAs in Patients with COPD: A Systemic Review with a Meta-Analysis of Randomized Controlled Trials**
EUNYEONG CHO (Seoul, Republic of Korea), Se Yong Kim, Noeul Kang, Yunjoo Im, Min-Ji Kim, Seonwoo Kim, Dong Ah Park, Kwang Ha Yoo, Yong Bum Park, Ji Ye Jung, Hyun Lee, Hye Yun Park, Seong Yong Lim, Hye Kyeong Park
-
- PA2005** **Generating patient insights in chronic obstructive pulmonary disease (COPD) with social media listening study**
Florian S. Gutzwiller (Basel, Switzerland), Florian S. Gutzwiller, Jean-Bernard Gruenberger, Vinay Preet Kaur, Purnima Pathak, Alaknanda Mudumby, Nigel S. Cook

7.2B Session 226 08:30 - 10:30

Poster discussion: Clinical determinants and biomarkers of COPD

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : [Epidemiology](#) [Public health](#) [Cell and molecular biology](#) [General respiratory patient care](#)

Chairs : Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Eduardo Márquez Martín (Sevilla, Spain)

- PA2006** **Adding budesonide to formoterol reduces risk of clinically important deteriorations (CID) in moderate to very severe COPD**
Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Dave Singh, Christine Jenkins, Stefan Peterson, Thomas Bengtsson, Peter Wessman, Malin Fagerås
-
- PA2007** **Prognostic significance of obstruction severity in COPD patients admitted to coronary artery bypass grafting.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin
-
- PA2008** **The effect of conjugated linoleic acid supplementation on the serum level of Adiponectin in COPD patients**
Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Ali Nemati, Maryam Zolfaghari, Somaieh Matin, Mohammad-Reza Aslani
-
- PA2009** **Elevated Serum Levels of Heart-type Fatty Acid Binding Protein in Stable COPD**
Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Mohammad-Rezam Aslani, Khadijeh Sarikhani, Saeid Hosseininia, Saeid Sadeghieh-Ahari
-
- PA2010** **Monitoring antioxidant enzyme activity in patients with COPD exacerbations**
Balazs Antus (Budapest, Hungary), Csilla Paska, Imre Barta
-
- PA2011** **GOLD ABCD assessment tool: Comparison of 2013 and 2017 classifications in the UK Clinical Practice Research Datalink (CPRD)**
Alexander Mathioudakis (Manchester, United Kingdom), Jorgen Vestbo, Alicia Gayle, Scott Dickinson, Kevin Morris, Samantha Webster, Chris Poole
-
- PA2012** **Serum amyloid A in patients with stable chronic obstructive pulmonary disease**
Marta Maskey-Warzęchowska (Warszawa, Poland), Renata Rubinsztajn, Tadeusz Przybyłowski, Krzysztof Karwat, Patrycja Nejman-Gryz, Ryszarda Chazan
-
- PA2013** **Relationship between Volatile Organic Compounds (VOCs) in exhaled breath determined by Proton Transfer Reaction Time of Flight Mass Spectrometry (PTR-TOF-MS), clinical characteristics and airway inflammation in COPD**
Liesl Carr (Leicester (Leicestershire), United Kingdom), Luke Bryant, Ahmed Yousuf, Rebecca Cordell, Michael Wilde, Salman Siddiqui, Paul Monks, Christopher Brightling
-
- PA2014** **Treatment response in COPD – does FEV1 say it all? An analysis of the CRYSTAL trial**
Konstantinos Kostikas (Basel, Switzerland), Timm Greulich, Claus F. Vogelmeier, Alexander Mackay, Nadine Lossi, Maryam Aalamian-Mattheis, Xavier Nunez, Veronica Anna Pagano, Francesco Patalano, Andreas Clemens
-
- PA2015** **Longitudinal measurements of blood eosinophils in relation to COPD outcomes**
Jens Ellingsen (Uppsala, Sweden), Christer Janson, Kristina Bröms, Karin Lisspers, Björn Ställberg, Marieann Högman, Andrei Malinovski
-
- PA2016** **Eosinophils and acute exacerbation of COPD: a potent biomarker for patients at increased risk. Preliminary reports.**
Evgenia Papathanassiou (ATHENS, Greece), Andriana Papaioannou, Georgios Hillas, Eleftheria Mizi, Petros Bakakos, Vasiliki Apollonatonou, Galateia Vervykokou, Nikos Roussakis, Zoi Tsilogianni, Konstantinos Kostikas, Spyros Papiris, Stylianos Loukides
-
- PA2017** **Impact of Eosinophilia and Time on Lung Function Decline in Adult Asthma**
Florence Schleich (Liège, Belgium), Sophie Graff, Catherine Moermans, Renaud Louis
-
- PA2018** **EOSINOPHIL COUNT AND FeNO AS PREDICTORS OF EXACERBATIONS IN COPD**
Bernardino Alcazar Navarrete (Cájar, Spain), Oliverio Ruiz Rodriguez, Pablo Conde Baena, Pedro J Romero Palacios
-
- PA2019** **Determinants of FENO in COPD with regard to current smoking**
Marieann Högman (Uppsala, Sweden), Christer Janson, Karin Lisspers, Kristina Bröms, Björn Ställberg, Andrei Malinovski
-
- PA2020** **Use of Inhaled corticosteroid (ICS)-containing regimen for COPD patients with high or low blood eosinophilia: A meta-analysis**
Jamie Chua (Caloocan City, Philippines), Albert Albay, Mithi Kalayaan Zamora
-
- PA2021** **COPD: Are beliefs about inhaled medication associated with patients' inhaler technique?**
António Manuel Silva Duarte De Araújo (Braga, Portugal), Pedro Teixeira, Venceslau Hespanhol, Jaime Correia-De-Sousa
-
- PA2022** **Overexpression of chitotriosidase and YKL-40 in serum and sputum in healthy smokers and patients with chronic obstructive pulmonary disease**
Sebastian Majewski (Stryków, Poland), Damian Tworek, Karolina Szewczyk, Zofia Kurmanowska, Justyna Kiszalkiewicz, Ewa Brzezińska-Lasota, Hanna Jerczyńska, Wojciech Piotrowski, Paweł Górski

- PA2023** **Significance of serum YKL-40, S100A8, S100A9, calprotectin, periostin and LRG1 levels in patients with newly diagnosed, controlled and uncontrolled asthma**
Bilun Gemicioglu (Istanbul, Turkey), Ozgur Yasar, Tulay Akcay

7.2C **Session 227** **08:30 - 10:30**

Poster discussion: Improving the outcomes of community-acquired pneumonia

Disease(s) : Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Imaging Cell and molecular biology Epidemiology Respiratory intensive care General respiratory patient care

Chairs : Marcos I. Restrepo (San Antonio, United States of America), Lieuwe Bos (Amsterdam, Netherlands)

- PA2024** **Non-steroidal anti-inflammatory drug use and clinical outcomes of community-acquired pneumonia**
Damien Basille (Amiens, France), Reimar Wernich Thomsen, Morten Madsen, Pierre Duhaut, Claire Andrejak, Vincent Jounieaux, Henrik Toft Sørensen

- PA2025** **A retrospective survival analysis of nursing and healthcare associated pneumonia in patients with resistant pathogens**
Kenji Umeki (Yufu, Japan), Kosaku Komiya, Yuko Usagawa, Yukiko Takeno, Mari Yamasue, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

- PA2026** **Hypoxemia as a determinant of hospitalization in patients with Community Acquired Pneumonia**
Anantharaj Suresh (Chennai (Tamil Nadu), India), Damodharan Thenmozhi, Gulecha Nayan Sri

- PA2027** **Association between clinical profile and etiologic agent of pneumonia**
Maria Inês Oliveira Gomes da Costa (Rio Tinto, Portugal), Ana Cipriano, Fabio Videira, Sofia Valdoeiros, Ana Machado, Joana Gomes, Miguel Abreu, Helder Bastos

- PA2028** **Human metapneumovirus lower respiratory tract infections in adults: chest CT imaging features and their evolution**
Lawrence A. Marinari (Bryn Mawr, United States of America), Wallace T. Miller, Jr., Madeline A. Danny

- PA2029** **Data from the PROGRESS study - blood gene expression patterns predict severe outcome of community acquired pneumonia**
Peter Ahnert (Leipzig, Germany), Holger Kirsten, Sebastian Weis, Elke Grunow, Petra Creutz, Michael Kiehntopf, Markus Löffler, Norbert Suttrop, Markus Scholz, Michael Bauer

- PA2030** **Respiratory syncytial virus (RSV) disease in hospitalised adults in Europe: comparison of retrospective patient chart reviews of adults =65 (=65y) and**
Odile Launay (Paris, France), Florian Thalhammer, Thomas Harrer, Arnaud Cheret, Guy De La Rosa, Ian Sander, Robert Stolper, Jessica Zakar, Karin Weber

- PA2031** **Outcomes characteristics in healthcare-associated pneumonia**
Bruno Gil Gonçalves (Lousada, Portugal), Sara Cabral, António Paulo Lopes

- PA2032** **Point of care respiratory viral testing (POCT): A novel service to target appropriate antimicrobial prescription and improve antibiotic stewardship.**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Katherine Groom, Matthew Knight

- PA2033** **Mortality associated factors of patients admitted due to flu during 2015-2016 and 2016-2017**
Alberto Mangas Moro (Madrid, Spain), Carlos Javier Carpio Segura, Ester Zamarrón De Lucas, Concepción Prados Sánchez, José Ramón Arribas Peña, Beatriz Díaz Pollán, Rodolfo Álvarez-Sala Walther

- PA2034** **The PROGRESS Study - Operationalization of Disease Severity and Prediction of Outcome using the SOFA Score**
Petra Creutz (Berlin, Germany), Peter Ahnert, Michael Kiehntopf, Hamid Hossain, Michael Bauer, Uwe Völker, Trinad Chakraborty, Martin Witzernath, Markus Löffler, Markus Scholz, Norbert Suttrop

- PA2035** **Broad-spectrum antibiotic use and poor outcomes in community-onset pneumonia**
Brandon Webb (Murray, United States of America), Jeff Sorensen, Al Jephson, Ian Mecham, Nathan Dean

- PA2036** **ERS guideline compliant antibiotics among hospitalized patients with Community-acquired pneumonia on the ward service**
Marcos I. Restrepo (San Antonio, United States of America), Stefano Aliberti

- PA2037** **The prognostic value of the Charlson's comorbidity index in patients with bacteremic pneumonia**
Seungeon Song (Busan, Republic of Korea), Sang Woo Moon, Se Young Kim, Min Seok Ko, Jin Eun Kim

- PA2038** **Risk factors for antibiotic re-administration in patients with pneumonia during hospitalization.**
Saori Nishizawa (Iizuka, Japan), Kazunori Tobino, Masanobu Okahisa, Yuki Goto, Kojin Murakami, Takuto Sueyasu, Miyuki Munechika, Kohei Yoshimine

PA2039 Risk factors for immunosuppression in hospitalized patients coming from the community with pneumonia: a worldwide perspective
Marta Francesca Di Pasquale (Milano (MI), Italy), Giovanni Sotgiu, Andrea Gramegna, Dejan Radovanovic, Silvia Terraneo, Luis F Reyes, Francesco Blasi, Marcos I Restrepo, Stefano Aliberti

PA2040 Evaluation of nursing and health care-associated pneumonia patients with poor performance status.
Ryosuke Hamanaka (Oita, Japan), Kenji Umeki, Kosaku Komiya, Yuko Usagawa, Mari Yamasue, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

PA2041 Validation of C-Reactive protein and CURB-65 in the first hospital admission community acquired-pneumonia patient as a predictor of 30 days mortality
Borries Foresto Buharman (Bogor, Indonesia)

7.2D Session 228 08:30 - 10:30

Poster discussion: Let's interact and discuss the hot topics in pulmonary rehabilitation

Disease(s) : **Airway diseases** **Interstitial lung diseases** **Thoracic oncology** **Sleep and breathing disorders**

Method(s) : Epidemiology Public health Physiology General respiratory patient care

Chairs : Sally J. Singh (Leicester (Leicestershire), United Kingdom), Carlos Augusto Camillo (Londrina (PR), Brazil)

PA2042 Effect of Pulmonary Rehabilitation on physical and mental status in cognitively impaired patients with COPD
Vasileios Andrianopoulos (Schönau am Königssee, Germany), Rainer Gloeckl, Tessa Scheeberger, Ioannis Vogiatzis, Rembert Koczulla, Klaus Kenn

PA2043 Effects of pulmonary rehabilitation in patients with asthma
Dinette E. Agterhuis (Maastricht, Netherlands), Frits Franssen, Martijn Spruit, Lennart Conemans, Emiel Wouters, Lowie Vanfleteren

PA2044 Upper and lower limb muscle strength in idiopathic interstitial pneumonias (IIP).
Suhani Patel (Harefield, United Kingdom), Claire Nolan, Matthew Maddocks, Ruth Barker, Sarah Jones, Peter George, Felix Chua, Toby Maher, William D-C Man

PA2045 Holistic services for chronic breathlessness in people with advanced disease: a systematic review and meta-analysis
Sophie Miller (London, United Kingdom), Lisa Brighton, Morag Farquhar, Sara Booth, Deokhee Yi, Wei Gao, Sabrina Bajwah, William D-C Man, Irene J Higginson, Matthew Maddocks

PA2046 Comprehensive comparison of the repeatability of the most commonly employed tests of exercise performance for patients with stable COPD. An observational study.
Theresa Harvey-Dunstan (Leicester (Leicestershire), United Kingdom), Ruth M Tal-Singer, Michael I Polkey, Alan L Hamilton, Michael C Steiner, Michael D Morgan, Sally J Singh

PA2047 Sertraline in symptomatic chronic breathlessness: a double blind, randomised trial
David Currow (Sydney (NSW), Australia), Sandra Louw, Julie Hill, Belinda Fazekas, Katherine Clark, Patricia Davidson, Christine McDonald, Dimitar Sajkov, Nikki Mc Caffrey, Matthew Doogue, Amy Abernethy, Meera Agar

PA2048 Is attendance and completion of a pulmonary rehabilitation programme associated with patient activation?
Shauna Sheridan (London, United Kingdom), Eliana Guedes, Laura Moth, Lynn McDonnell, Leyla Osman

PA2049 A RESPIRATORY TELEREHABILITATION PROGRAM AS MAINTENANCE IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Juan Bautista Galdiz Iturri (Getxo (Vizcaya), Spain), Alba Gomez, Rosa Guell, Pilar Cebollero, Diego Rodriguez, Pilar Cejudo, Susana Chic, Marta Iscar, Juan Aguero, Itxaso Sayago, Gema Rodriguez Castro, Borja Cosio, Jose Ignacio Pijoan

PA2050 Exercise training and airway inflammation in severe-asthma: results from a feasibility study
Sally Majd (Leicester (Leicestershire), United Kingdom), Sally Singh, Peter Bradding, Stacey Hewitt, Lindsay Apps, Anna Murphy, Ruth Green, Rachael Evans

PA2051 Predictors for adherence to COPD exacerbation action plans
Anke Lenferink (Oldenzaal, Netherlands), Job Van Der Palen, Laura Bosman, Paul Van Der Valk, Peter Frith, Tanja Effing

PA2052 Simple quadriceps strength measurement in COPD using a fixed dynamometer. Determination of the minimal important difference after a pulmonary rehabilitation program.
Trija Vaidya (NANTES, France), Marc Beaumont, Claire De Bisschop, Lucie Bazerque, Camille Le Blanc, Anne Vincent, Hakima Ouksel, Arnaud Chambellan

PA2053 What is the best frequency of exercise training in patients with moderate-to-severe COPD ?
Mara Paneroni (Mazzano (BS), Italy), Antonio Spanevello, Elisabetta Zampogna, Mauro Carone, Vito Spinelli, Bruno Balbi, Stefano Belli, Mauro Maniscalco, Mariarosaria Guarente, Carla Simonelli, Michele Vitacca

- PA2054** **A randomised crossover trial investigating the effect of a portable positive pressure ventilation device on exercise tolerance in patients with COPD**
Steve Cutts (London, United Kingdom), Amanda Burls, Kola Akinlabi, John R Hurst, Swapna Mandal, Stephanie K Mansell
- PA2055** **Impact of promotion of physical activity supported by mobile technology on behavioral changes**
Erik Baltaxe (Barcelona, Spain), Anael Barberan-Garcia, Felip Burgos, Carmen Hernandez, Carmen Herranz, Akos Tenyi, Josep Roca, Isaac Cano
- PA2056** **Body composition and mortality in idiopathic pulmonary fibrosis (IPF): a prospective cohort study.**
Suhani Patel (Harefield, United Kingdom), Claire Nolan, Ruth Barker, Sarah Jones, Matthew Maddocks, Peter George, Felix Chua, Toby Maher, William D-C Man
- PA2057** **Benefits of pulmonary rehabilitation on ILD patients: a comparison between two types of training**
Mélina Lalonde Gauthier (Montréal (QC), Canada), Marilyn Houle-Péloquin, Benoit Sauvageau, Alain-Steve Comtois, Julie Morisset, Claude Poirier
- PA2058** **Benefits of pulmonary rehabilitation program in patients with persistent asthma**
Tajana Jalušić Glunčić (Zagreb, Croatia), Latinka Basara, Andrea Vukić Dugac, Ana Hećimović, Marija Bajutti, Miroslav Samaržija
- PA2059** **Efficacy of Costal Mobilization technique and Manual diaphragm release technique in the ventilatory mechanics of COPD: a randomized clinical trial**
Helena Rocha (Recife, Brazil), Rodrigo Viana, Catarina Rattes, Daniella Brandao, Taciano Rocha, Luciana Alcoforado, Verônica Parreira, Raquel Britto, Guilherme Fregonezi, Armêle Dornelas De Andrade

7.3J

Session 229

08:30 - 10:30

Poster discussion: The many facets of respiratory nursing

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#) [Sleep and breathing disorders](#) [Thoracic oncology](#) [Respiratory infections](#)
[Respiratory infections](#)

Method(s) : Public health Epidemiology General respiratory patient care

Chairs : Saskia W. M. Weldam (Utrecht, Netherlands)

- PA2060** **Effectiveness of a hand-held fan for managing dyspnoea in patients with interstitial lung disease**
Nicola Cassidy (Dublin 5, Ireland), Petra Grehan, Irene Byrne, Gemma O'Dowd, Jim J Egan
- PA2061** **The factors influencing COPD self-care: a mixed methods study**
Marco Clari (Torino (TO), Italy), Dhurata Ivziku, Maria Matarese
- PA2062** **ECare-COPD. Self-management promotion in people with COPD: training programme**
Miguel Padilha (Porto, Portugal), Paulo Machado, Ana Ribeiro, José Ramos
- PA2063** **Preventative care and home treatment in patients at risk of hospitalisation due to exacerbation of COPD.**
Birgit Refsgaard Iversen (Århus C, Denmark), Lotte Ørneborg Rodkjær, Vibeke Bregnballe, Anders Løkke Ottesen
- PA2064** **Illness representations and coping strategies during exacerbation of COPD: A qualitative descriptive study.**
elizabeth chin (MATTAPOISETT, United States of America)
- PA2065** **Dyadic Symptom Management in Chronic Obstructive Pulmonary Disease**
Dhurata Ivziku (Roma (RM), Italy), Marco Clari, Maria Matarese
- PA2066** **Are symptoms experienced by patients admitted with COPD documented by health professionals? - A survey**
Charlotte Sandau Bech (Fredensborg, Denmark), Dorthe Bove, Kristoffer Marså, Matias Greve Lindholm
- PA2067** **Symptomatic GORD in difficult asthma is associated with worse asthma control and related comorbidities: Findings from WATCH**
Yvette Thirlwall (Southampton (Hampshire), United Kingdom), Kamran Tariq, Heena Mistry, Adnan Azim, Clair Barber, Kimberley Bentley, Colin Newell, Hans Michael Haitchi, Ratko Djukanovic, Ramesh Kurukulaaratchy
- PA2068** **Asthma control is associated with smoking status: Findings from WATCH**
Yvette Thirlwall (Southampton (Hampshire), United Kingdom), Clair Barber, Adnan Azim, Heena Mistry, Matt Harvey, Colin Newell, Judit Varkonyi-Sepp, Hans Michael Haitchi, Paddy Dennison, Ramesh Kurukulaaratchy
- PA2069** **Dyspnoea perception and FEV1 decline during Sputum Induction in Healthy Controls and COPD patients**
Pedro Rodrigues (Southampton (Hampshire), United Kingdom), Kristoffer Ostridge, Karl Staples, Kerry Gove, Sarah Bawden, Tom Wilkinson

- PA2070** **Description of inhalation technique in patients with COPD in primary care**
Annika Lindh (Karlstad, Sweden), Kersti Theander, Mats Arne, Karin Lisspers, Lena Lundh, Hanna Sandelowsky, Björn Ställberg, Eva Thors Adolfsson, Elisabeth Westerdahl, Ann-Britt Zakrisson
- PA2071** **Investigation the Effects of Smoking on sleep Quality and Sleep Apnea During Elderly**
Selman celik (Istanbul, Turkey), Hediye Arslan Ozkan
- PA2072** **Health status among adult asthmatics – a population-based study**
Caroline Stridsman (Luleå, Sweden), Helena Backman, Britt-Marie Eklund, Linnea Hedman, Eva Rönmark
- PA2073** **Holistic needs assessment (HNA) in lung cancer patients; bridging health and social care**
mary mambwere (London, United Kingdom), Sarah Kerr, Georgia Hardavella
- PA2074** **Nurse led lung cancer diagnostic/supportive follow up clinic;a different approach to optimise lung cancer pathway**
Sarah Kerr (London, United Kingdom), Mary Mambwere, Georgia Hardavella
- PA2075** **Self-reported health in adolescents with exercise induced laryngeal obstruction**
Merete Benestad (Bergen, Norway), Bente Vederhus, Jorun Drageseth, Hege Clemm, Thomas Halvorsen
- PA2076** **The development of an instrument to assess the needs of people with COPD: a Delphi study**
Marco Clari (Torino (TO), Italy), Riccardo Casciaro, Dhurata Ivziku, Maria Matarese
- PA2077** **Perceptions of the role of the respiratory Clinical Research Nurse.**
Katherine Huband (Southend-on-Sea (Essex), United Kingdom), Rebecca Dobra, Adam Lewis, Alan Simpson

No Room **Session 230** **08:30 - 13:00**

Game Zone: GAME ZONE - SESSION 3

Ultrasound

Fausto Leoncini (Montespertoli (FI), Italy), Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Speaker to be confirmed **2078**

Interventional Bronchoscopy

Annika W.M. Goorsenberg (Amsterdam, Netherlands), Judith Lyons (, United Kingdom), Sofia Romani (Roma (RM), Italy), Speaker to be confirmed **2079**

7.3T **Session 235** **10:40 - 13:00**

Skills workshop: SW8 Cardiopulmonary exercise test interpretation - tips and pitfalls

Aims : to identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Pierantonio Laveneziana (Paris Cedex 13, France)

Introduction **2083**

Relationship between oxygen uptake and work rate **2084**
Paolo Palange (Rome, Italy)

Anaerobic/lactate threshold **2085**
Harry Rossiter (Hermosa Beach, United States of America)

Breathing pattern and dynamic hyperinflation **2086**
Denis O'Donnell (Kingston (ON), Canada)

Ventilatory efficiency **2087**
Paolo Onorati (Alghero (SS), Italy)

7.3V **Session 236** **10:40 - 13:00**

Skills workshop: SW11 Thoracic ultrasound

Aims : to provide an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Radiologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Najib M. Rahman (Oxford, United Kingdom)

Introduction	2088
Normal thoracic cavity Konstantina Kontogianni (Heidelberg, Germany), Damien Basille (Amiens, France)	2089
Pleural effusion and/or pleural thickening Ioannis Psallidas (Oxford, United Kingdom), Sophie Laroumagne Dumetre (Marseille, France)	2090
Case studies Najib M. Rahman (Oxford, United Kingdom)	2091
Guided pleural aspiration and lymph node biopsy using models Rahul Bhatnagar (Bristol, United Kingdom), Anna Bibby (Bristol (Avon), United Kingdom)	2092

7.3A Session 237 10:45 - 12:45

Year in review: Clinical Year in Review

Aims : For the four different topics experts will present and discuss the top articles from the last year.

Disease(s) : Airway diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Lieuwe Bos (Amsterdam, Netherlands)

10:45	The year in rehabilitation and chronic care Martijn A. Spruit (Horn, Netherlands)	2093
11:15	The year in asthma Pascal Chanez (Marseille, France)	2094
11:45	The year in chronic obstructive pulmonary disease Jadwiga Wedzicha (London, United Kingdom)	2095
12:15	The year in interventional pneumology Felix J.F. Herth (Heidelberg, Germany)	2096

7.3N Session 238 10:45 - 12:45

Symposium: State of the art session: Respiratory infections

Practical update in respiratory infections

Aims : To update clinicians in the diagnosis, treatment and prevention of respiratory infections.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Imaging Public health Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Eva Polverino (Barcelona, Spain), Raquel Duarte (Porto, Portugal)

10:45	Pneumonia: diagnosis, treatment and prevention Francesco Blasi (Milan, Italy)	2097
11:15	Tuberculosis: recent advances in diagnosis, treatments and prevention of nosocomial transmission Christoph Lange (Borstel, Germany)	2098

11:45	Bronchiectasis: the new, the old and the ugly James D. Chalmers (Dundee (Angus), United Kingdom)	2099
12:15	Non-tuberculous mycobacteria: how to treat these difficult infections Jakko van Ingen (Nijmegen, Netherlands)	2100

7.1A Session 239 10:45 - 12:45

Symposium: Infectious agents and childhood asthma

Implications for prevention and treatment

Aims : to describe the role of viral respiratory infections in the inception of asthma; to show how the airway microbiome and bacteria-virus interactions can both serve as targets for asthma prevention and treatment; to discuss how the environment and gut microbiomes can act as determinants of childhood asthma and to describe the implications for prevention; and to detail the management of childhood asthma in preschool children.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Scientist (basic, translational), Student, Trainee

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Sejal Saglani (London, United Kingdom)

10:45	Early-life viral respiratory infections and childhood asthma inception - can we unlink the association? Louis Bont (Utrecht, Netherlands)	2101
11:15	It's not just viruses - the airway microbiome, bacteria-virus interactions and childhood asthma Avraham Beigelman (St. Louis, MO, United States of America)	2102
11:45	The environment and the gut microbiome - interesting association or a rich field for future therapies? Erika von Mutius (München, Germany)	2103
12:15	Preschool asthma - have randomised controlled trials provided clarity on management? Jonathan Grigg (London, United Kingdom)	2104

7.1B Session 240 10:45 - 12:45

Hot topics: Preventing asthma and COPD exacerbations by increasing the inhaled glucocorticoid dose

Aims : To present and discuss the data of three recent randomised controlled trials that explored the ability of intensified inhaled corticosteroid (ICS) therapy to prevent exacerbations in patients with asthma and COPD who present with acute poor symptom control or upper respiratory tract infections (URTIs).

Disease(s) : Airway diseases Respiratory infections

Method(s) : Epidemiology Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Paediatrician

Chairs : Fernando J. Martinez (New York, United States of America), Emiel F. M. Wouters (Maastricht, Netherlands)

10:45	Quintupling inhaled glucocorticoids to prevent childhood asthma exacerbations Daniel Jackson (Madison, United States of America)	2105
11:15	Quadrupling the inhaled glucocorticoid dose to abort asthma exacerbations Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)	2106
11:45	Intensified therapy with inhaled corticosteroids and long-acting b2-agonists (LABAs) at the onset of URTIs to prevent COPD exacerbations: a multicentre randomised double-blind placebo-controlled trial Daiana Stolz (Basel, Switzerland)	2107
12:15	LAMA/LABA vs. LABA/ICS and triple therapy – is ICS in again? David A Lipson (Wynnewood, United States of America)	2108

7.3C Session 241 10:45 - 12:45

Symposium: Integrated care for patients with pulmonary vascular disease, lung diseases and heart failure

A joint ERS/ESC/Heart Failure Association session

Aims : This symposium is a collaborative effort between the ERS, the ESC and the Heart Failure Association of the ESC that aims to disseminate the recent advances in the chronic care of patients with chronic lung disease and heart failure. In particular, the diagnosis, pharmacological treatment and rehabilitation strategies in pulmonary vascular disease will be addressed.

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Frits M.E. Franssen (Horn, Netherlands), Marion Delcroix (Leuven, Belgium)

10:45	Managing deteriorations in chronic obstructive pulmonary disease: which organ is failing? Marco Canepa (Genoa, Italy)	2109
11:15	Optimising pharmacotherapy in patients with pulmonary arterial hypertension and comorbidities, including lung diseases and heart failure: benefits without harm? Marc Humbert (Paris, France)	2110
11:45	The haemodynamic and gas-exchange responses to exercise in pulmonary hypertension, chronic obstructive pulmonary disease and left heart ventricle failure: similarities and differences Anton Vonk Noordegraaf (Amsterdam, Netherlands)	2111
12:15	Interdisciplinary rehabilitation in pulmonary hypertension: can we learn from chronic obstructive pulmonary disease or heart failure? Carolyn Rochester (New Haven, United States of America)	2112

7.3Z1

Session 242

10:45 - 12:45

Symposium: Respiratory medicine meets hematology

Aims : To provide state of the art presentations on the pulmonary manifestations of haematological diseases (malignant and non-malignant), the spectrum of respiratory infections in immunocompromised patients with haematological diseases (e.g., during bone marrow aplasia), the non-infectious lung complications of treatments for leukaemia and lymphoma, and the pulmonary manifestations of acute and chronic graft-versus-host disease.

This session is endorsed by the European Hematology Association (EHA - www.ehaweb.org).

Disease(s) : Respiratory infections Thoracic oncology

Method(s) : General respiratory patient care Respiratory intensive care Transplantation

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Radiologist, Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Jacques Cadranel (Paris Cedex 20, France), Fritz Offner (Gent, Belgium)

10:45	Pulmonary manifestations of haematological diseases: from lymphoma to sickle cell crisis Venerino Poletti (Forli, Italy)	2113
11:15	Respiratory infections in immunocompromised patients with haematological diseases Élie Azoulay (Paris, France)	2114
11:45	Pulmonary toxicity of treatments for leukaemia and lymphoma Robert Vassallo (Rochester, United States of America)	2115
12:15	Graft-versus-host disease in the lungs: novel insights and treatments Anne Bergeron Lafaurie (Paris, France)	2116

7.3B

Session 243

10:45 - 12:45

Oral presentation: Intercellular communication in tissue remodelling

Disease(s) : Airway diseases Respiratory critical care Respiratory infections Interstitial lung diseases Sleep and breathing disorders
Pulmonary vascular diseases Respiratory infections

Method(s) : Imaging Epidemiology Cell and molecular biology

Chairs : Aurelie Fabre (Dublin, Ireland), Philippe Bonniaud (Dijon, France)

OA2117	Late Breaking Abstract - Novel mesenchymal pathways that initiate emphysema Susan Majka (Nashville, United States of America), Christa Gaskill, Jonathan Kropski, Bradley Richmond, Robert Foronjy, M. Mark Taketo
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- OA2118 Exosomal microRNAs in the lung: eliciting long-term intercellular communication?**
Tilman Sanchez-Elsner (Southampton (Hampshire), United Kingdom), Anastasios Lekkas, Toby Mellows, Eva M. Garrido-Martin, Peter H. Howarth, Peter S. Friedmann, Pandurangan Vijayanand, Christian Ottensmeier
- OA2119 Sputum exosomal microRNAs in IPF**
Julien Guiot (Liège, Belgium), Makon-Sebastien Njock, Monique Henket, Olivier Nivelles, Renaud Louis, Ingrid Struman
- OA2120 Impact of cigarette smoke exposure on the membrane protein composition of lung-derived extracellular vesicles - implication for inflammation**
Yasunari Kishino (Mölndal, Sweden), Cecilia Lässer, Amir Smailagic, Shintaro Suzuki, Kyong-Su Park, Ganesh Shelke, Jan Lötvall
- OA2121 Essential role of smooth muscle Rac1 in severe asthma associated-airway hyperresponsiveness and remodelling**
Florian Dilasser (Nantes, France), Antoine Magnan, Gervaise Loirand, Vincent Sauzeau
- OA2122 Myofibroblasts are associated with increase in small airway thickening, epithelial plasticity and decreased lung function in COPD**
Mathew Eapen (Hobart (TAS), Australia), Chris Ward, Haydn Walters, James Markos, Collin Chia, Josie Larby, Greg Haug, Angela Hills, Tillie-Louise Hackett, Wenying Lu, Stephen Myers, Sukhwinder Singh Sohal
- OA2123 Endothelial dysfunction in emphysematous rats exposed to intermittent hypoxia and interventional effects of tempol**
Jing Zhang (Tianjin, China), Yaping Zhao, Jie Cao, Lixia Dong, Jing Zhang, Haiyan Zhao, Xin Li
- OA2124 The effect of age on lung epithelial barrier function**
Kirsten Muizer (Groningen, Netherlands), Maaïke De Vries, Wim Timens, Maarten Van Den Berge, Alen Faiz, Tillie-Louise Hackett, Corry-Anke Brandsma, Irene H. Heijink

7.3Z2

Session 244

10:45 - 12:45

Oral presentation: COPD: from LABA/ICS to LABA/LAMA/ICS

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Epidemiology General respiratory patient care

Chairs : Mario Cazzola (Roma (RM), Italy), Huib A.M. Kerstjens (Groningen, Netherlands)

- OA2125 Late Breaking Abstract - Blood eosinophil count (EOS) can accurately predict responsiveness to inhaled corticosteroids (ICS) in COPD, but only if measured while patients are not receiving steroids.**
Alexander Mathioudakis (Manchester, United Kingdom), Philip Foden, Jørgen Vestbo
- OA2126 Late Breaking Abstract - Holter ECG-based arrhythmia and heart rate analysis in patients with COPD receiving a fixed-dose combination of tiotropium/olodaterol versus its monocomponents**
Stefan Andreas (Immenhausen, Germany), Ulrich Bothner, Alberto De La Hoz, Isabel Kloer, Matthias Trampisch, Peter Alter
- OA2127 Late Breaking Abstract - Blood eosinophil counts and treatment response in COPD: analyses of IMPACT**
Steven Pascoe (King of Prussia, United States of America), Neil Barnes, Guy Brusselle, Chris Compton, Gerard Criner, Mark Dransfield, David M.G. Halpin, Meilan K. Han, Benjamin Hartley, Emma Hilton, Peter Lange, Sally Lettis, David A. Lipson, David Lomas, Fernando J. Martinez, Alberto Papi, Nicolas Roche, Ralf J.P. Van Der Valk, Robert Wise, Dave Singh
- OA2128 Late Breaking Abstract - IMPACT study — single inhaler triple therapy (FF/UMEC/VI) versus FF/VI and UMEC/VI in patients with COPD: healthcare resource utilization and costs — UK**
Afisi Ismaila (Cary, United States of America), Victoria Paly, Melanie Schroeder, Alan Martin, Jiahe Li, Sally Lettis, Nancy Risebrough
- OA2129 Late Breaking Abstract - Analysis of the InforMing the Pathway of COPD Treatment (IMPACT) study in the subgroup of patients taking triple therapy at screening**
Dave Singh (Manchester, United Kingdom), Gerard Criner, Nicola C. Day, Mark Dransfield, David M.G. Halpin, Meilan K. Han, C. Elaine Jones, Sally Kilbride, Peter Lange, David A Lipson, David A. Lomas, Steve Pascoe, Maggie Tabberer, Robert Wise, Fernando J. Martinez
- OA2130 Late Breaking Abstract - Reduction of COPD exacerbations with extrafine single inhaler triple therapy: post-hoc analysis by exacerbation treatment of the TRIBUTE study**
Ilaria Valente (Parma, Italy), Leonardo Fabbri, Dave Singh, Alessandro Guasconi, Helene Prunier, George Georges, Alberto Papi
- OA2131 Late Breaking Abstract - Extrafine single inhaler triple therapy improves quality of life in COPD. Analysis of SGRQ subdomains of the TRIBUTE Study**
Ilaria Valente (Parma, Italy), Leonardo Fabbri, Dave Singh, Alessandro Guasconi, Helene Prunier, George Georges, Alberto Papi

- OA2132** **Late Breaking Abstract - Pharmacokinetic and pharmacodynamic interactions between components of extrafine formulation of BDP/FF/GB, a novel fixed-dose triple combination for asthma and COPD**
Massimo Cella (Parma, Italy), Lien Gheyle, Chiara Garofalo, Carolyn Beaudot, George Georges

7.3K **Session 245** **10:45 - 12:45**

Symposium: Cell-matrix interactions in lung disease and regeneration
Reflections from the 2018 Lung Science Conference

Aims : This special session aims to highlight some of the key cutting-edge concepts regarding cell-matrix interactions across the spectrum of respiratory disease and regenerative medicine that were presented during the 2018 Lung Science Conference (LSC) in Estoril. Cells sense and functionally respond to their physical three-dimensional environment by translating extracellular matrix (ECM) interactions and mechanical forces and deformations into biochemical signals. Molecular defects that interrupt or alter mechanical sensing and the subsequent cell signalling events can perturb normal cellular function, thereby potentially contributing to a diverse range of diseases, including those that associate with abnormal lung development, acute lung injury, pulmonary fibrosis, airway remodelling and cancer. In this session, we will review the latest developments in our understanding of the way perturbed cell-ECM interactions determine cell fate and function and can lead to respiratory disease. This session will include presentations by an exciting panel of leading investigators who are working at the forefront of respiratory science and medicine as well as two short presentations from two prize winners at the 2018 LSC.

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Clinical researcher, Scientist (basic, translational), Student, Thoracic oncologist, Trainee

Chairs : Rachel Chambers (London, United Kingdom), Silke Meiners (München, Germany)

10:45	Human lung scaffolds to model lung disease and tissue regeneration Darcy Wagner (Lund, Sweden)	2133
11:15	Matrix dysfunction and the aging lung Herbert Schiller (Munich, Germany)	2134
11:45	Laser-capture microdissection, mass spectrometry and immunohistochemistry reveal pathological alterations in the extracellular matrix of transplanted lungs Catharina Mueller (Lund, Sweden)	2135
12:00	Progress towards human lung regeneration in end-stage respiratory failure: studying human lung development in vitro using organoid cultures of human embryonic lung stem cells Marko Nikolic (Cambridge (Cambridgeshire), United Kingdom)	2136
12:15	Stem cell renewal and the matrix Speaker to be confirmed	2137

7.3Q **Session 246** **10:45 - 12:45**

Oral presentation: New predictors of morbidity and mortality in COPD

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Epidemiology Imaging General respiratory patient care

Chairs : David M. G. Halpin (Exeter Devon, United Kingdom), Stephanie Everaerts (Leuven, Belgium)

- OA2138** **Late Breaking Abstract - High-sensitivity troponin I predicts all-cause mortality in stable COPD in the COSYCONET cohort**
Benjamin Waschki (Hamburg, Germany), Peter Alter, Tanja Zeller, Christina Magnussen, Raphael Twerenbold, Stefan Blankenberg, Albert Omlor, Christian Herr, Klaus Rabe, Tobias Welte, Rudolf Jörres, Claus Vogelmeier, Robert Bals, Henrik Watz
- OA2139** **Disease progression patterns in COPD**
Felix John Samuel Bragman (London, United Kingdom), Alexandra Young (London, United Kingdom), Alexandra Louise Young, David J Hawkes, Daniel C Alexander, John R Hurst
- OA2140** **Longitudinal stability and association with all-cause mortality of the 2017 GOLD groups in the ECLIPSE cohort**
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Maria Rosa Faner Canet, Guillaume Noell, Per Bakke, Edwin K. Silverman, Ruth Tal-Singer
- OA2141** **The value of short physical performance battery (SPPB) as an alternative component of the BODE Index in predicting death in chronic obstructive pulmonary disease (COPD) in the ERICA cohort.**
Jilles Fermont (Cambridge (Cambridgeshire), United Kingdom), Marie Fisk, Charlotte Bolton, John Cockcroft, Carmel Mce niery, Jonathan Fuld, Divya Mohan, Ruth Tal-Singer, Hana Mullerova, Angela Wood, Ian Wilkinson, Michael Polkey

- OA2142 Soluble urokinase plasminogen activator receptor (suPAR) predicts mortality in exacerbated COPD**
Ditte Vendelbo Jørgensen (Hvidovre, Denmark), Nina Skalvan Godtfredsen, Kristoffer Marsaa, Charlotte Suppli Ulrik, Ove Andersen, Jesper Eugen-Olsen, Line Jee Hartmann Rasmussen
- OA2143 Role of different spirometric reference equations for lung volumes assessment**
Gianluca Imeri (Bergamo, Italy), Fulvio Braido, Marco Contoli, Angelo Corsico, Fabiano Di Marco, Claudio Micheletto, Girolamo Pelaia, Paola Rogliani, Roberta Trapasso, Pierachille Santus, Nicola Scichilone, Paolo Solidoro, Giovanni Sotgiu
- OA2144 Novel spirometry indices detect mild airflow obstruction not detected by traditional criteria**
Surya Bhatt (Birmingham, United States of America), Nirav Bhakta, Carla Wilson, Chris Cooper, Igor Barjaktarevic, Sandeep Bodduluri, Young-Il Kim, Michael Eberlein, Prescott Woodruff, Frank Sciruba, Peter Castaldi, Meilan Han, Mark Dransfield, Arie Nakhmani
- OA2145 Clinical clustering of COPD patients is useful to predict future COPD exacerbations**
Andrei Malinovski (Uppsala, Sweden), Christer Janson, Kristina Bröms, Björn Ställberg, Karin Lisspers, Marieann Högman

7.3M

Session 247

10:45 - 12:45

Oral presentation: Respiratory muscles and lung function: from healthy subjects to patients

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Epidemiology Imaging Cell and molecular biology Physiology

Chairs : Sam Bayat (Grenoble, France), Danilo Cortozzi Berton (Porto Alegre (RS), Brazil)

- OA2146 Late Breaking Abstract - Estimating elastic recoil via the forced oscillation technique (FOT).**
Kris Nilsen (VIC, Australia), David, G Chapman, Katrina, O Tonga, Greg, G King, Bruce, R Thompson, Cindy Thamrin
- OA2147 Acute effects of inspiratory threshold load and interface on breathing pattern and activity of respiratory muscles**
Jéssica Danielle Medeiros da Fonsêca (Santa Cruz, Brazil), Vanessa Regiane Resqueti, Antônio José Sarmento Da Nobrega, Luciana Fontes Silva Da Cunha Lima, Valéria Soraya Farias Sales, Andrea Aliverti, Guilherme Fregonezi
- OA2148 Acute effects of normocapnic hyperpnoea exercise on intercostal and locomotor muscle oxygenation in COPD**
Ferid Oueslati (Québec (QC), Canada), Didier Saey, Eric Nadreau, Mickael Martin, Francois Maltais
- OA2149 THE EFFECT OF PREGNANCY ON RESPIRATORY FUNCTION**
Antonella LoMauro (Milano (MI), Italy), Andrea Aliverti, Daniela Alberigo, Nicola Persico, Peter Frykholm, Federica Briganti, Mario Nosotti, Iliaria Righi
- OA2150 Chest wall kinematics measured during inspiratory threshold loading, deep breathing maneuvers and CO2 rebreathing in individuals post-stroke.**
Jadranka Spahija (Montréal (QC), Canada), Karen Dev, Caroline De Marchie, Joyce Fung
- OA2151 Pharmacometabolic effect of pirfenidone treatment in IPF detected by high resolution MALDI-FTICR imaging**
Isis Enlil Fernandez (München, Germany), Na Sun, Mian Wei, Michael Witting, Michaela Aichler, Stjin Verleden, Philippe Schmitt-Kopplin, Axel Walch, Oliver Eickelberg
- OA2152 Reduced FEV3/FVC identifies smokers at risk of developing COPD in the SPIROMICS cohort**
Igor Barjaktarevic (Los Angeles, United States of America), Matthew Flynn, Russell Buhr, Xiaoyan Wang, William Lemaster, Brett Dolezal, David Couper, Wayne Anderson, Richard Kanner, Robert Paine, Robert Kaner, Jeffrey Curtis, Wanda O'Neal, Prescott Woodruff, Lisa Postow, Meilan Han, Fernando Martinez, Graham Barr, James Wells, Victor Ortega, Stephen Peters, Eric Hoffman, Claire Doerschuk, Victor Kim, Mark Dransfield, Surya Bhatt, Nirav Bhakta, Brad Drummond, Russell Bowler, Gerard Criner, Cheryl Pirozzi, Carlos Martinez, Christopher Cooper
- OA2153 Airflow obstruction which corrects post-bronchodilator as a predictor of future development of COPD**
Igor Barjaktarevic (Los Angeles, United States of America), Russell Buhr, Xiaoyan Wang, Brett Dolezal, Matthew Flynn, David Couper, Wayne Anderson, Robert Paine, Robert Kaner, Jeffrey Curtis, Wanda O'Neal, Prescott Woodruff, Lisa Postow, Meilan Han, Fernando Martinez, Graham Barr, James Wells, Victor Ortega, Eric Hoffman, Claire Doerschuk, Victor Kim, Mark Dransfield, Surya Bhatt, Nirav Bhakta, Bradley Drummond, Russell Bowler, Gerard Criner, Carlos Martinez, Christopher Cooper, Richard Kanner

7.30

Session 248

10:45 - 12:45

Oral presentation: Granulomatous disorders: epidemiology, genotype and phenotype

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Physiology Epidemiology General respiratory patient care Imaging Public health Cell and molecular biology

Chairs : Athol Wells (London, United Kingdom), Dominique Valeyre (Paris, France)

Risk of underdiagnoses of cardiac sarcoidosis by routine electrocardiogram and echocardiogram in patients with biopsy-proven extracardiac sarcoidosis

OA2154 Hiroshi Ohira (Sapporo, Japan), Keiichiro Yoshinaga, Shinya Sakiyama, Toshitaka Nakaya, Naoko Suzuki, Ayako Sugimoto, Akiko Hayashishita, Tadao Aikawa, Takahiro Sato, Osamu Manabe, Noriko Oyama-Manabe, Taku Watanabe, Masaharu Nishimura, Ichizo Tsujino

Pulmonary function trends predict mortality in patients with hypersensitivity pneumonitis

OA2155 Cristina Boccabella (L'Aquila (AQ), Italy), Claudio Macaluso, Maria Kokosi, Veronica Alfieri, Carmel Stock, Vasilis Kouranos, George Margaritopoulos, Letizia Mori, Joseph Barnett, Philip Molyneaux, Peter George, Felix Chua, Toby Maher, Sujal Desai, Joseph Jacob, Anand Devaraj, Athol Wells, Elisabetta Renzoni

Diminished peripheral T cell activity in sarcoidosis associates with progressive disease.

OA2156 Cody Schott (Chicago, United States of America), Christian Ascoli, Yue Huang, David Perkins, Patricia Finn

Cardiac sarcoidosis: a tertiary centre experience

OA2157 Vasileios Kouranos (London, United Kingdom), Rakesh Sharma, Rajdeep Khattar, John Baksi, Maria Kokosi, Sanjay Prasad, Kshama Wechalekar, Richard Underwood, Martin Cowie, Athol Wells

Peripheral blood memory T-helper (Th) 17 subsets in patients with chronic and acute pulmonary sarcoidosis

OA2158 Olga P. Baranova (St. Petersburg, Russian Federation), Tatyana Ses, Igor Kudryvzev, Nataliya Lazareva, Mariya Serebryakova, Mikhail Ilkovich, Areg Totolyan

Clinical phenotypes of extra-pulmonary sarcoidosis. The EpiSarc study

OA2159 Raphael Lhote (Suresnes, France), Fleur Cohen-Aubart, Hilario Nunes, David Launay, Karim Sacré, Raphael Borie, Nicolas Schleinitz, Mohamed Hamidou, Hervé Devilliers, Philippe Bonniaud, Matthieu Mahevas, François Lhote, Thomas Papo, Julien Haroche, Bertrand Godeau, Marc Michel, Zahir Amoura, Dominique Valeyre, Isabella Annesi-Maesano

Genetic Profiles of Clinical Features in Sarcoidosis

OA2160 Jonas Schupp (Freiburg, Germany), Sandra Freitag-Wolf, Annegret Fischer, Violeta Mihailović-Vučinić, Paola Rottoli, Antje Prasse, Stefan Schreiber, Michael Krawczak, Joachim Müller-Quernheim

7.3P Session 249 10:45 - 12:45**Oral presentation: Interventional pulmonology highlights in 2018: latest innovations**

Disease(s) : Thoracic oncology Interstitial lung diseases Airway diseases Respiratory infections Respiratory infections

Method(s) : Imaging General respiratory patient care Endoscopy and interventional pulmonology

Chairs : Maren Schuhmann (Heidelberg, Germany), Prashant Nemichand Chhajed (Mumbai, India)

Late Breaking Abstract - A novel bronchoscopic lung volume reduction device for severe emphysema: a preclinical study in pigs

OA2161 Guangfa Wang (Beijing, China), Yan Hu, Yuan Cheng, Hong Zhang

Late Breaking Abstract - First-in-Human Results of Bronchial Rheoplasty: An Endobronchial Treatment For Chronic Bronchitis (CB)

OA2162 Arshang Valipour (Wien, Austria), Alvin Ing, Jonathan Williamson, Tajalli Saghaie, Daniel Steinfert, Lou Irving, Gregory Snell, Eli Dabscheck, William Krinsky, Jon Waldstreicher, Sebastian Fernandez-Bussy

Confocal Laser Endomicroscopy (CLE) as a Guidance Tool for Transbronchial Lung Cryobiopsies in ILD

OA2163 Lizzy Wijmans (Amsterdam, Netherlands), Daniel De Bruin, Joris Roelofs, Rene Jonkers, Peter Bonta, Venerino Poletti, Juergen Hetzel, Jouke Annema

Transbronchial cryobiopsy from two different lobes versus one lobe in diffuse parenchymal lung diseases

OA2164 Daniela Patrícia Cunha Machado (Rio Tinto, Portugal), Gisela Lage, Catarina Marques, Filipa Lima, Inês Marques, Carla Nogueira, Ana Oliveira, José Almeida, Sérgio Campaignha, Agostinho Sanches, Sofia Neves

Endobronchial Ultrasonography Elastography for predicting malignancy

OA2165 Benan Caglayan (Istanbul, Turkey), Sinem Iliaz, Pınar Bulutay, Ayşe Armutlu, Fatma Isil Uzel, Ayşe Bilge öZtütük, Leyla Pur öZyigit

Mini-thoracoscopy vs Semirigid Thoracoscopy in Undiagnosed Exudative Pleural Effusions: A Randomized Controlled Trial

OA2166 Karan Madan (New Delhi (Delhi), India), Shweta Bansal, Saurabh Mittal, Anant Mohan, Vijay Hadda, Deepali Jain, Sudheer Arava, Prabhat Malik, Gopi Khilnani, Ravindra Pandey, Randeep Guleria

Bronchoscopic Biopsy of Solitary Pulmonary Nodules with No Leading Airway Path

OA2167 Felix J.F. Herth (Heidelberg, Germany), Shiyue Li, Jiayuan Sun, Bing Lam, Daniel Nader, Jennifer Idris

- OA2168** **Preclinical testing of custom-made airway stents**
Anja Lena Thiebes (Aachen, Germany), Donnacha J. Mcgrath, Kathrin Kurtenbach, Johanna Clauser, Barry O'Brien, Peter E. Mchugh, Stefan Jockenhoewel, Christian G. Cornelissen

7.3L **Session 250** **10:45 - 12:45**

Poster discussion: New kids on the block: novel molecular pathways and therapeutic targets in chronic lung diseases

Disease(s) : Airway diseases Respiratory infections Interstitial lung diseases Pulmonary vascular diseases Sleep and breathing disorders Respiratory infections

Method(s) : Cell and molecular biology

Chairs : Niki L. Reynaert (Maastricht, Netherlands), Colin Bingle (Sheffield (South Yorkshire), United Kingdom)

- PA2169** **LSC - 2018 - Role of Mitogen activated-kinase (MAPK)-phosphatase (MKP)-5 in pulmonary fibrosis**
Theodoros Karampitsakos (Thebes, Greece), Argyrios Tzouvelekis (argyrios.tzouvelekis@fleming.gr / Department of Pulmonology, Sotiria Chest Hospital, Athens), Kisuk Min (kisukmin@gmail.com / Department of Pharmacology, Yale School of Medicine, New Haven, CT, USA, New Haven), Nikolaos Xylourgidis (nikosxylourgidis@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Guoying Yu (guoyingyu@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Jose D. Herazo-Maya (joseherazomaya@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Leonard Bizenhofer (leonardbizenhofer@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Anton Bennett (bennett@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Naftali Kaminski (naftalikaminski@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven)
- PA2170** **The role of microRNA-155 in cigarette smoke-induced inflammation.**
Elise De Smet (Ghent, Belgium), Pieter Mestdagh, Francisco Avila Cobos, Evy Blomme, Fien Verhamme, Sharen Provoost, Tania Maes, Guy Joos, Guy Brusselle, Ken Bracke
- PA2171** **Cigarette smoke upregulating the expression of miR 21 increases IL-8 in airway epithelial cells**
Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Eleonora Di Salvo, Maria Ferraro, Paola Dino, Federico Saibene, Luigi Lanata, Sebastiano Gangemi
- PA2172** **Small airway fibroblasts from COPD patients are senescent and pro-fibrotic**
Catherine Wrench (London, United Kingdom), Jonathan Baker, Peter Fenwick, Louise Donnelly, Peter Barnes
- PA2173** **Aged tenascin-C knockout mice have increased lung volume and septal surface but unchanged lung function**
Tiziana Patrizia Cremona (Bern, Switzerland), Sandrine Gremlich, Matthias Roth-Kleiner, Johannes Shittny
- PA2174** **Epithelial pIgR: A new player in idiopathic pulmonary fibrosis?**
Thomas Plante-Bordeneuve (Ottignies, Belgium), Charles Pilette, Yousof Yakoub, Marylène Lecocq, François Huaux, Antoine Froidure
- PA2175** **Syk expression and function in the pulmonary vasculature**
Christoph Tabeling (Berlin, Germany), Julia Herbert, Ekaterina Boiarina, Andreas C. Hocke, Katherina Sewald, David J. Lamb, Stefan-Lutz Wollin, Heinz Fehrenbach, Wolfgang M. Kuebler, Armin Braun, Norbert Suttorp, Norbert Weissmann, Martin Witzernath
- PA2176** **Development of a nanostructured sensor for monitoring oxidative stress in living cells**
Elisabetta Pace (Palermo (PA), Italy), Chiara Cipollina, Rosalinda Inguanta, Bernardo Patella, Marco Buscetta, Serena Di Vincenzo, Maria Ferraro, Carmelo Sunseri
- PA2177** **Dysregulated mitochondrial integrity associated with lamin B1 reduction is involved in cellular senescence progression in COPD pathogenesis.**
Nayuta Saito (Tokyo, Japan), Jun Araya, Saburo Ito, Yusuke Hosaka, Tsukasa Kadota, Masahiro Yoshida, Kazuya Tsubouchi, Akihiro Ichikawa, Yusuke Kurita, Kenji Kobayashi, Shunsuke Minagawa, Hiromichi Hara, Hirofumi Utsumi, Haruhiko Yanagisawa, Mitsuo Hashimoto, Hiroshi Wakui, Takeo Ishikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano
- PA2178** **Metformin regulates sirtuin expression in airway epithelial cells**
Aneesha Bhandari (London, United Kingdom), Jonathan Baker, Louise Donnelly, Peter Barnes
- PA2179** **Supportive interaction of PI3K-Akt-mTOR and STAT3-miR21-PTEN controls IgE induced airway remodeling**
Lei Fang (Basel, Switzerland), Lei Fang, Michael Tamm, Daiana Stolz, Michael Roth

- PA2180** **Involvement of Hedgehog pathway in airway cell differentiation**
Randa Belgacemi (Reims, France), Jeanne-Marie Perotin, Christelle Coraux, Emilie Luczka, Adeline Germain, Gonzague Delepine, Myriam Polette, Gaëtan Deslée, Valerian Dormoy
- PA2181** **GPR40 promotes tight junction assembly in human airway epithelial cells via AMPK-dependent mechanisms**
Aekkacha Moonwiriyaikit (Bangkok, Thailand), Panisara Wattanaphichet, Chatchai Muanprasat
- PA2182** **Role of chaperone-mediated autophagy in COPD pathogenesis.**
Yusuke Hosaka (Tokyo, Japan), Jun Araya, Kazuya Tsubouchi, Shunsuke Minagawa, Hiromichi Hara, Akihiro Ichikawa, Nayuta Saito, Tsukasa Kadota, Masahiro Yoshida, Takeo Ichikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano
- PA2183** **Cigarette smoke-induced activation of the integrated stress response in COPD airway epithelial cells and the role of oxidative stress**
Gimano Amatngalim (Utrecht, Netherlands), Elke Malzer, Annemarie Van Schadewijk, Jayson Bradley, Maria Zarcone, Anne Van Der Does, Pieter Hiemstra, Stefan Marciniak
- PA2184** **Involvement of NCOA4-mediated ferritinophagy in cigarette smoke-induced ferroptosis in COPD pathogenesis**
Masahiro Yoshida (Tokyo, Japan), Shunsuke Minagawa, Jun Araya, Hiromichi Hara, Yusuke Hosaka, Akihiro Ichikawa, Nayuta Saito, Kazuya Tsubouchi, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano
- PA2185** **Role of NLRP3 inflammasome and ATP in S100A12-induced MUC5AC production in airway epithelial cells**
Hye Jeong Kim (Ansan-si, Republic of Korea), Karam Kim, Jin Hyun Kang, Il Yup Chung
- PA2186** **Increased CTGF expression of circulating fibrocytes in asthmatic patients with severe OSA - the role of HIF-1a and HDAC7**
Tsai-Yu Wang (Taipei, Taiwan), Yu-Lun Lo, Chun-Hua Wang, Han-Pin Kuo

Terminal 7

Session 251

10:45 - 12:45

Oral presentation: Multiomics studies in epidemiology: what can they tell us?

Disease(s) : [Airway diseases](#)

Method(s) : Imaging Epidemiology

Chairs : Erik Melén (Stockholm, Sweden), Seif Shaheen (London, United Kingdom)

- OA2187** **Late Breaking Abstract - Associations between a COPD genetic risk score and lung structure on computed tomography (CT): SPIROMICS**
Elizabeth Oelsner (New York, United States of America), Benjamin Smith, Jennifer Nguyen, Ani Manichaikul, Eric Hoffman, Elizabeth Ampleford, Latchezar Dimitrov, Xiuqing Guo, Kent Taylor, Eugene Bleecker, Xignan Li, Deborah Meyers, Stephen Peters, Stephen Rich, Jerome Rotter, R Graham Barr, Victor Ortega
- OA2188** **A weighted genetic risk score based on 279 signals of association with lung function predicts Chronic Obstructive Pulmonary Disease**
Louise Wain (Leicester (Leicestershire), United Kingdom), Nick Shrine, Anna Guyatt, Vicki Jackson, A. Mesut Erzurumluoglu, Chiara Batini, Nicola Reeve, . Spirometa Consortium, . Lung Eqtl Study, Brian Hobbs, Michael Cho, David Strachan, Andrew Morris, Ian Hall, Martin Tobin
- OA2189** **Heritability and genome-wide association study of diffusing capacity of the lung (DLCO)**
Natalie Terzikhan (Rotterdam, Netherlands), Fanfngui Sun, Fien Verhamme, Hicab Adams, Daan Loth, Ken Bracke, Bruno Stricker, Lies Lahousse, Josée Dupuis, Guy Brusselle, George O'Conner
- OA2190** **Influence of gene-by-sex interaction on time-to-asthma onset: a large-scale genome-wide meta-analysis**
Emmanuelle Bouzigon (Paris, France), Raphael Veil, Hamida Mohamdi, Raquel Granell, Markus Ege, Maxim B. Freidin, Medea Imboden, Alan James, Debbie Jarvis, Elza K. Khusnutdinova, Catherine Laprise, Patricia Margaritte-Jeannin, Ludmila O. Ogorodova, Chloé Sarnowski, Marie-Hélène Dizier, A. John Henderson, Alexandra S. Karunas, Erika Von Mutius, Nicole M. Probst-Hensch, Bénédicte Leynaert, Florence Demenais
- OA2191** **Maternal dietary antioxidant intake in pregnancy and childhood respiratory and atopic outcomes: birth cohort study**
Annabelle Bédard (Barcelona, Spain), Kate Northstone, John W Holloway, A John Henderson, Seif O Shaheen
- OA2192** **The effect of early puberty on asthma in women and men: A Mendelian randomization study**
Cosetta Minelli (London, United Kingdom), Diana Van Der Plaet, Bénédicte Leynaert, Raquel Granell, Andre F.S. Amaral, Miguel Pereira, Osama Mahmoud, James Potts, John Thompson, Debbie Jarvis, George Davey-Smith, John Henderson
- OA2193** **Identification of novel rare genetic variants associated with COPD in the general population**
Maaike de Vries (Groningen, Netherlands), Diana A. Van Der Plaet, Ivana Nedeljkovic, K. Joeri Van Der Velde, Najaf Amin, Cornelia Van Duijn, Judith M. Vonk, H. Marika Boezen, Cleo C. Van Diemen

- OA2194** **A whole genome sequencing association study of severe, uncontrolled asthma**
Diana Chang (South San Francisco, United States of America), David Choy, Tushar Bhangale, Art Wuster, Zia Khan, Amy Dressen, Karen Cuenco, Lorena Riol Blanco, Joseph R. Arron, Mark Wilson, Rajita Pappu, Tangsheng Yi, Daniel Lafkas, Tracy Staton, Fang Cai, Rebecca Bauer, Cecile Holweg, Dorothy Cheung, Hubert Chen, Joseph Lin, Alex Abbas, John Matthews, Julie Olsson, Jens Reeder, Kiran Mukhyala, Jennifer Tom, Amy Cowgill, Jan Vogel, Bill Forrest, Matt Brauer, Julie Hunkapiller, Robert R. Graham, Tim Behrens, Brian Yaspan

7.2A Session 252 10:45 - 12:45

Poster discussion: The world of idiopathic pulmonary fibrosis (IPF): global registries

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Public health Endoscopy and interventional pulmonology Epidemiology Imaging General respiratory patient care

Chairs : Carlo Vancheri (Catania (CT), Italy), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

- PA2195** **What can we learn from Idiopathic Pulmonary Fibrosis Registries?**
Taha Lodhi (Cheadle (Cheshire), United Kingdom), Colm Leonard, Pilar Rivera Ortega, Helen Morris, Tracey Marshall, Katherine Zakis, Theresa Garfoot, Conal Hayton, Melanie Greaves, John Blaikley, Nazia Chaudhuri

- PA2196** **Predictors of death or transplant in patients with idiopathic pulmonary fibrosis in the IPF-PRO Registry**
Laurie Snyder (Durham, United States of America), Megan L Neely, Anne Hellkamp, Emily O'Brien, Kevin R Flaherty, Joao De Andrade, Craig Conoscenti, Thomas Leonard, Shaun Bender, Mridu Gulati, Daniel A Culver, Robert J Kaner, Scott Palmer, Hyun J Kim

- PA2197** **Outcome differences between idiopathic pulmonary fibrosis (IPF) and other interstitial lung diseases (ILD) - data from the EXCITING registry**
Michael Kreuter (Heidelberg, Germany), Hans-Joachim Kabitz, Lars Hagmeyer, Peter Hammerl, Albert Esselmann, Conrad Wiederhold, Dirk Skowasch, Christoph Stolpe, Marcus Joest, Stefan Veitshans, Sabine Witt, Reiner Leidl, Andreas Hellmann, Michael Pfeifer, Juergen Behr, Andreas Guenther, Dagmar Kauschka, Felix J.F. Herth, Philipp Markart

- PA2198** **The European IPF Registry: Addressing challenges and characteristics of patients with Idiopathic Pulmonary Fibrosis**
Ekaterina Krauss (Giessen, Germany), Andreas Guenther, Walter Klepetko, Philippe Bonniaud, Carlo Vancheri, Athol Wells, Jasmin Wagner, Bettina Paul, Ulrich Costabel, Maria Asuncion Nieto Barbero, Veronika Mueller, Martina Vasakova, Alberto Pesci, Matteo Sofia, Fotios Drakopanagiotakis, Werner Seeger, Bruno Crestani

- PA2199** **Baseline characteristics of 1461 participants in the Pulmonary Fibrosis Foundation Patient Registry**
Kevin Flaherty (Chicago, United States of America), Joao De Andrade, Lisa Lancaster, Susan Limb, Kathleen Lindell, Steven Nathan, Ganesh Raghu, Cathie Spino, John Stauffer, Paul Wolters, Gregory Cosgrove

- PA2200** **Forced vital capacity, total lung capacity and diffusion capacity in idiopathic pulmonary fibrosis**
Ida Pesonen (Stockholm, Sweden), Jing Gao, Lisa Carlson, Marjukka Myllärniemi, Giovanni Ferrara, Magnus Sköld

- PA2201** **Functional decline over time in patients with IPF treated with pirfenidone: the PROOF registry**
Wim A Wuyts (Rotselaar, Belgium), Caroline Dahlqvist, Hans Slabbynck, Marc Schlessler, Natacha Gusbin, Christophe Compere, Sofie Maddens, Klaus-Uwe Kirchgassler, Karen Bartley, Benjamin Bondue

- PA2202** **Pirfenidone use in a Swedish cohort of patients with pulmonary fibrosis (PF)**
Giovanni Ferrara (Stockholm, Sweden), Karen Bartley, Aaron Levine, Lisen Arnheim-Dahlstrom, Klaus-Uwe Kirchgassler, Ragnar Linder, Christer Janson, C. Magnus Sköld

- PA2203** **Real world idiopathic pulmonary fibrosis in the EMPIRE registry**
Martina Vasakova (Praha 4, Czech Republic), Martina Šterclová, Nesrin Mogulkoc, Jan Kus, Veronika Müller, Marta Hájková, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Mordechai Kremer, Michal Svoboda, Marketa Janotova

- PA2204** **Differences in baseline characteristics of newly diagnosed IPF patents in the EMPIRE countries**
Veronika Müller (Budapest, Hungary), Martina Šterclová, Nesrin Mogulkoc, Jan Kus, Marta Hájková, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Michal Svoboda, Marketa Janotová, Martina Vašáková

- PA2205** **Bleeding risk in IPF patients treated with different anticoagulants: Real world data from the European MultiPartner IPF Registry (EMPIRE)**
Abigél Margit Kolonics-Farkas (Budapest, Hungary), Martina Šterclová, Nesrin Mogulkoc, Jan Kus, Veronika Müller, Marta Hájková, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Mordechai Kramer, Michal Svoboda, Marketa Janotová, Martina Vašáková

- PA2206** **Cryobiopsy in the diagnosis of diffuse parenchymal lung diseases: diagnostic strategy and complications in 699 patients**
Claudia Ravaglia (Forlì, Italy), Sara Tomassetti, Alessandra Dubini, Sara Piciucchi, Venerino Poletti

- PA2207 Combined idiopathic interstitial pneumonia(IIP) and emphysema(E) in the Veterans Administration(VA) health system: characteristics, tobacco Use, and outcomes**
Roy Pleasants (Cary, United States of America), Armando Bedoya, Robert Kundich, Anne Reihman, Karen Welty-Wolf, Robert Tighe
- PA2208 Interstitial lung disease rates and risk factors in a UK lung cancer screening trial**
Theresia Mikolasch (Cambridge (Cambridgeshire), United Kingdom), Mamta Ruparel* , Jennifer Dickson, Carolyn Horst, Sophie Tisi, Samantha Quaiife, Neal Navani, Magali Taylor, Asia Ahmed, Penny Shaw, Stephen Burke, May-Jan Soo, Angshu Bhowmik, Joanna Porter, Sam Janes
- PA2209 A simple prognostic tool for idiopathic pulmonary fibrosis (IPF)**
Thomas Gille (Bobigny, France), Kim-Anastasia Levand, Marouane Boubaya, Loris Moya, Guillaume Bertrand, Zohra Carton, Carole Planès, Dominique Valeyre, Pierre-Yves Brillet, Hilario Nunes
- PA2210 Does body mass index have prognostic significance for patients with idiopathic pulmonary fibrosis?**
Nesrin Mogulkoc (İZMİR, Turkey), Martina Sterclova, Veronika Müller, Jan Kus, Marta Hajkova, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Marketa Janotova, Martina Vasakova
- PA2211 Myositis-specific antibodies in a cohort of idiopathic interstitial pneumonias with suggestive morphologies.**
Laurens De Sadeleer (Leuven, Belgium), Stijn Verleden, Ellen De Langhe, Nicolas Bodart, Alain Vigneron, Xavier Bossuyt, Bart Vanaudenaerde, Wim Wuyts

7.2B Session 253 10:45 - 12:45

Poster discussion: Lung cancer: personalised medicine

Disease(s) : Thoracic oncology Airway diseases Sleep and breathing disorders

Method(s) : Public health Endoscopy and interventional pulmonology General respiratory patient care Cell and molecular biology Epidemiology Surgery

Chairs : Chair to be confirmed

- PA2212 Hypofractionated radiotherapy for stage I lung carcinomas: moderate hypofractionation optimizes outcome**
Inès Menoux (Strasbourg, France), Delphine Antoni, Pierre Truntzer, Audrey Keller, Gilbert Massard, Georges Noël
- PA2213 Tyrosine-kinase inhibitors (TKI) in first-line treatment of patients with non-small cell lung cancer (NSCLC) - real life data from the Czech Republic.**
Jana Skříčková (Brno 35, Czech Republic), Renata Chloupková, Zbyněk Bortlíček, Petr Brabec, Karel Hejduk, Ladislav Dušek, Miloš Pešek, Vítězslav Kolek, Leona Koubková, Markéta Černovská, František Salajka, Milada Zemanová, Jana Krejčí, Helena Čoupková, Monika Štáňková, Andrea Benejová, Marcela Tomášková, Jaromír Roubec, Ivona Grygárková, Libor Havel, Michal Hrnčarik, Petr Opálka
- PA2214 Adapalene abrogates erlotinib-induced skin disorder by regulating proinflammatory cytokine production from human epidermal cells**
Nanako Miwa (Kobe-City, Japan), Tatsuya Nagano, Daisuke Tamura, Ryota Dokuni, Kanoko Umezawa, Naoko Katsurada, Kyosuke Nakata, Masatsugu Yamamoto, Motoko Tachihara, Hiroshi Kamiryo, Kazuyuki Kobayashi, Yoshihiro Nishimura
- PA2215 Clinical, histological and molecular characteristics of lung cancer in patients under 30 years-old.**
Agathe Ducrocq (ROUEN, France), Mathieu Salaün, Nicolas Piton, Aude Lamy, Florian Guisier, Luc Thiberville
- PA2216 Changes in targeted therapy and costs in NSCLC between 2009 and 2013**
Julia Walter (Neuherberg, Germany), Rolf Holle, Amanda Tufman, Larissa Schwarzkopf
- PA2217 Accuracy of PD-L1 tumour staining of cytological and histological samples of lung adenocarcinoma**
Carrie-Anne Wagner (Fitzroy North, Australia), Michael Christie, Louis Irving, Daniel Steinfort
- PA2218 Soluble sPD-L1 plasma concentrations in a series of 95 lung cancer patients**
Dragana M. Jovanović (Beograd, Republic of Serbia), Jelena Kotur Stevuljević, Marina Roksandić-Milenković, Marioara Simon, Vesna Čeriman, Spasoje Popević, Ivana Vukanić, Natalija Samardžić, Milica Kontić, Branislav Ilić
- PA2219 Impact of radiotherapy on outcomes of nivolumab in advanced non-small cell lung cancer: a case controlled study**
Chinthaka Samaranyake (Sunshine Coast, Australia), John Coucher, Elizabeth Mccaffrey, Margot Lehman, Michelle Murphy
- PA2220 Inhaled immunotherapy for lung cancer? Certainly possible.**
Anastasios Kallianos (Athens, Greece), Pavlos Zarogoulidis, Dora Tsiouda, Aggeliki Rapti, Chrysanthi Sardeli, Haidong Huang, Wolfgang Hohenforst-Schmidt, Georgia Trakada, Konstantinos Sapalidis

- PA2221** **Multimodal therapeutic approach for locally advanced NSCLC in everyday practice**
Mihovil Roglić (Zagreb, Croatia), Filip Popović, Marina Labor, Sonja Badovinac, Marta Koršić, Marko Jakopović, Zoran Janevski, Josip Joachim Grah
- PA2222** **The efficacy of induction chemoradiotherapy followed by surgery in stage IIIA-proven N2 NSCLC and the influence of lymph node downstage on the incidence of postoperative recurrence**
Akiko Tateishi (Chiba (Kamogawa), Japan), Masafumi Misawa, Hiroaki Nomori, Masahiro Nemoto, Ryuta Tsuzuki, Ayumu Otsuki, Kei Nakashima, Yu Oyama, Hiroshi Sugimura, Kazufusa Shoji, Masahiro Aoshima
- PA2223** **The efficacy and safety of induction chemoradiotherapy (ICRT) followed by surgery in stage III NSCLC patients (pts) with T3/4-adjacent organ invasion involved(AOI): A single-center retrospective observational study.**
Masahiro Nemoto (Chiba, Japan), Masafumi Misawa, Hiroaki Nomori, Akiko Tateishi, Ryuta Tsuzuki, Ayumu Otsuki, Kei Nakashima, Yu Oyama, Hiroshi Sugimura, Kazufusa Shoji, Masahiro Aoshima
- PA2224** **Survival impact of surgery in the treatment of stage IIIB-IVA non-small cell lung cancer**
Seung Hun Jang (Anyang, Republic of Korea), Sojung Park, Chang Youl Lee, Ji Young Park, Joo-Hee Kim, Sunghoon Park, Yong Il Hwang, Ki-Suck Jung
- PA2225** **Changes of diffusing capacity after neoadjuvant concurrent chemoradiotherapy: implication on postoperative pulmonary complications in non-small cell lung cancer patients**
sumin shin (seoul, Republic of Korea), Yong Soo Choi, Jae Jun Jung, Yunjoo Im, Hye Kyeong Park, Jong Ho Cho, Hong Kwan Kim, Jhngook Kim, Jae Ill Zo, Young Mog Shim, Ho Yun Lee, Hye Yun Park
- PA2226** **MONITORING IMMUNODYNAMICS IN IMMUNE CHECKPOINT INHIBITOR THERAPY FOR STAGE IIIB/IV NON-SMALL CELL LUNG CANCER**
Jani Sofia Almeida (Coimbra, Portugal), Daniela Bento, Patrícia Couceiro, Vera Alves, Manuel Santos-Rosa, Fernando José Barata, Paulo Rodrigues-Santos, Ana Maria Ferreira Rodrigues Figueiredo
- PA2227** **A modified ILD-GAP index for patients with non-small cell lung cancer and interstitial lung disease**
Haruki Kobayashi (Shizuoka, Japan), Tateaki Naito, Shota Omori, Kazuhisa Nakashima, Kazushige Wakuda, Akira Ono, Hirosugu Kenmotsu, Haruyasu Murakami, Masahiro Endo, Toshiaki Takahashi
- PA2228** **Management of concomitant COPD in patients with lung cancer**
Magnus Gottlieb (København, Denmark), Kristoffer Marsaa, Anders Mellemggaard, Nina Skalvan Godtfredsen
- PA2229** **Sleep disordered breathing and nocturnal hypoxemia are associated with an increased risk of lung cancer.**
Luis Miguel Seijo Maceiras (Madrid, Spain), Maria Teresa Perez Warnisher, Luis Fernando Giraldo-Cadavid, Henry Oliveros, Elena Cabezas, Fernanda Troncoso, Teresa Gómez, Rosario Melchor, Erwin Javier Pinillos, Abdul El Hachem, Carolina Gotera, Paula Rodriguez, Nicolás González-Mangado, Germán Peces-Barba

7.2C Session 254 10:45 - 12:45

Poster discussion: New insights in rare diffuse parenchymal lung diseases (DPLDs) in adults and children

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Epidemiology Surgery Endoscopy and interventional pulmonology Public health Cell and molecular biology Transplantation General respiratory patient care Imaging

Chairs : Maria Molina Molina (Hospitalet de Llobregat (Barcelona), Spain), Raphaël Borie (Paris, France)

- PA2230** **Prevalence of pleuroparenchymal fibroelastosis (PPFE): A retrospective single-centre case study**
Silvana Geleff (Vienna, Austria), Jasmin Gmeiner, Peter Jaksch, Helmut Prosch
- PA2231** **Clinical courses of asymptomatic patients with mild idiopathic pleuroparenchymal fibroelastosis**
Mikio Toyoshima (Hamamatsu, Japan), Atsuki Fukada, Daisuke Akahori, Takafumi Suda
- PA2232** **Traction bronchiectasis and platythorax on computed tomography are determinants of progression and mortality in pleuro-parenchymal fibroelastosis**
Felix Chua (London, United Kingdom), Peter George, Darius Armstrong-James, Anand Devaraj, Elizabeth Renzoni, Toby Maher, Athol Wells, Ilaria Pulzato, Phillip Molyneaux, Maria Kokosi, Vasilis Kouranos, George Margaritopoulos, Sujal Desai
- PA2233** **Multidisciplinary team dedicated to suspected heritable pulmonary fibrosis**
Raphaël Borie (Paris, France), Caroline Kannengiesser, Serge Amselem, Olivier Brugiere, Diane Bouvry, Annick Clement, Vincent Cottin, Philippe Dieude, Clairelyne Dupin, Ralph Epaud, Laurent Gouya, Pascale Fanen, Flore Sicre De Fontbrune, Lidwine Wemeau-Stervinou, Nadia Nathan, Bruno Crestani
- PA2234** **Mid-term clinical course of the three Japanese SFTPC mutated familial interstitial pneumonia patients.**
Hiroyuki Ito (Nagasaki, Japan), Hiroshi Nakaoka, Yoshiro Yamashita, Masahiro Takaki, Takeshi Tanaka, Masayuki Ishida, Konosuke Morimoto

Functional assessment of newly identified SFTPA1 and SFTPA2 mutations in patients with idiopathic interstitial pneumonia (IIP) and lung cancer

- PA2235 Nadia Nathan (Paris, France), Marie Legendre, Emilie Filhol-Blin, Raphael Borie, Diane Bouvry, Caroline Kannengiesser, Kais Ahmad, Juliette Albuisson, Nathalie Allou, Keren Borensztajn, Afifaa Butt, Bruno Copin, Vincent Cottin, Bruno Crestani, Jean-Charles Dalphin, Florence Dastot Le Moal, Christophe Delacourt, Paul De Vuyst, Philippe Duquesnoy, Violaine Giraud, Carine Gomez, Laurent Gouya, Valerie Nau, Hilario Nunes, Clement Picard, Gregoire Prevot, Philippe Reix, Martine-Louise Reynaud-Gaubert, Julie Traclet, Aurore Coulomb L'Hermine, Annick Clement, Serge Amselem

COPA syndrome restricted to life-threatening alveolar hemorrhages: clinical, pathological, molecular and biological characterization

- PA2236 Nadia Nathan (Paris, France), Marie Legendre, Serge Amselem, Annick Clement, Emilie Filhol-Blin, Nicolas Richard, Sylvie Roullaud, Michael Fayon, Gillian I Rice, Darragh Duffy, Vincent Bondet, Aurore Coulomb L'Hermine, Benedicte Neven, Marie-Louise Fremond, Yanick J Crow

Down syndrome and pulmonary hemosiderosis: an under-recognized association

- PA2237 AURELIA ALIMI (Saint-Mandé, France), Jessica Taytard, Rola Abou Taam, Véronique Houdouin, Aude Forgeron, Marc Lubrano Lavadera, Pierrick Cros, Isabelle Gibertini, Jocelyne Derelle, Antoine Deschildre, Caroline Thumerelle, Ralph Epaud, Philippe Reix, Michael Fayon, Sylvie Roullaud, Françoise Troussier, Marie-Catherine Renoux, Jacques De Blic, Sophie Leyronnas, Guillaume Thouvenin, Caroline Perisson, Aimé Ravel, Annick Clément, Harriet Corvol, Nadia Nathan

Exogenous lipoid pneumonia in African children: a mixed-methods case series

- PA2238 Diana Marangu (Nairobi, Kenya), Komala Pillay, Ebrahim Banderker, Aneesa Vanker, Diane Gray, Marco Zampoli

Alveolar hemorrhage syndrome in children

- PA2239 Anna Bogorad (Moscow, Russian Federation), Yuri Mizernitsky, Nadejda Rosinova, Natalia Lev, Ludmila Sokolova, Svetlana Djakova, Irina Zorina, Margarita Kostiutchenko

Effectiveness of inhibitor mTOR in patients with lymphangioleiomyomatosis.

- PA2240 Lubov N. Novikova (St. Petersburg, Russian Federation), Mihail Ilkovich, Dali Dzadzua., Olga Baranova, Mariya Vasilyeva

Pneumothorax in pulmonary langerhans cell histiocytosis (PLCH)

- PA2241 Pierre Le Guen (Paris, France), Sylvie Chevret, Emmanuelle Bugnet, Constance De Margerie-Mellon, Fanélie Jouenne, Gwenaél Lorillon, Agathe Seguin-Givelet, Samia Mourah, Dominique Gossot, Robert Vassallo, Abdellatif Tazi

Cytokine profiling in Pulmonary Langerhans Cell Histiocytosis: novel insights into pathogenesis.

- PA2242 Silvia Barril Farre (Barcelona, Spain), S. Hortelano, A. Luque, M.A. Higuera, C. Rodriguez-Martin, C. Robledo, A. Feliu, P. Millan, O. Sibila, F.J Alonso, D. Castillo

Pleural effusion in patients with IgG4-related disease: new insights from a case series

- PA2243 Ori Wand (Kfar Sava, Israel), Osnat Moreh Rahav, Osnat Shtraichman, Mordechai Kramer

Drug induced interstitial lung disease: a systematic review

- PA2244 Sarah Skeoch (Manchester (Greater Manchester), United Kingdom), Nicholas Weatherley, Andrew Swift, Alexander Oldroyd, Chris Johns, Conal Hayton, Allesandro Giollo, James Wild, John Waterton, Maya Buch, Kim Linton, Ian Bruce, Colm Leonard, Bianchi Stephen, Nazia Chaudhuri

Unclassifiable interstitial lung disease: a distinct entity with heterogeneous progression

- PA2245 Mouhamad Nasser (Bron, France), Pierre Rigaud, Kais Ahmad, Julie Traclet, Vincent Cottin

Pulmonary Lymphangiomas – insights into an ultra-rare disease

- PA2246 Nilab Sarmand (Heidelberg, Germany), Stella Piel, Eva Brunnemer, Julia Waelscher, Markus Polke, Arne Warth, Claus Peter Heussel, Monika Eichinger, Felix Lasistschka, Benjamin Hoegerle, Lutz Frankenstein, Heike Zabeck, Stefan Rieken, Felix Herth, Michael Kreuter

7.2D Session 255 10:45 - 12:45**Poster discussion: New diagnostic tools for sleep and breathing and healthcare provision options**

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology General respiratory patient care Public health

Chairs : Sebastian Ott (Bern, Switzerland), Winfried J. Randerath (Solingen, Germany)

PA2247 Estimation of AHI using a single-channel EEG and home polygraphy signals

Jade Vanbuis (Angers, France), Abdelkebir Sabil, Guillaume Baffet, Mathieu Feuillo, Nicole Meslier, Frédéric Gagnadoux

PA2248 Deep learning for scoring sleep based on cardiorespiratory signals as compared to auto and multiple manual sleep scorings based on neurological signals

Peter Anderer (Wien, Austria), Pedro Fonseca, Marco Ross, Arnaud Moreau, Andreas Cerny, Xavier Aubert, Mareike Klee

- PA2249 Detection and characterization of apneas using tracheal sound and suprasternal pressure signals**
Thomas Penzel (Berlin, Germany), Abdel Kebir Sabil, Alexandra Günther, Martin Glos, Christoph Schöbel, Ingo Fietze
- PA2250 Multicentral Validation of automatic UWB Radar Algorithm Compared with Polysomnography in Adolescents**
Yong Zhou (Hangzhou (Zhejiang), China), Kejing Ying, Enguo Chen, Guangyue Qin, Degui Shu, Jianjun Wang
- PA2251 Efficacy of a FOT-based auto-CPAP device for the treatment of obstructive sleep apnea**
Simon Dominik Herkenrath (Köln, Germany), Marcel Treml, Norbert Anduleit, Karin Pietruska, Matthias Schwaibold, Winfried J. Randerath
- PA2252 Fixed-pressure CPAP versus auto-adjusting CPAP : Comparison of efficacy in obstructive sleep apnoea (OSAS) according to the individual level of efficient pressure and pressure variability.**
Vanessa Bironneau (Angers, France), Frédéric Gagnadoux, Pierre Ingrand, Sandrine Pontier, Carmen Iamandi, Lorent Portel, Francis Martin, Anne Mallart, Lionel Lerousseau, Didier Alfandary, Virginie Levrat, Florence Portier, Renaud Tamisier, Frédéric Goutorbe, Claudio Rabec, François Codron, Guy Auregan, Magalie Mercy, Valérie Attali, Franck Soyeze, Claire Launois, Didier Recart, Marie-Françoise Vecchierini, Jean-Claude Meurice
- PA2253 Improved adherence with PAP therapy after switching from CPAP to bilevel for non-compliant OSA patients**
Adam Benjafield (San Diego, United States of America), Atul Malhotra, Kate Valentine, Dongquan Liu, Yang Yan, Peter Cistulli, Holger Woehrle, Carlos Nunez, Jeff Armitstead, Jean-Louis Pepin
- PA2254 Residual excessive sleepiness in long term CPAP-treated patients: a leak problem?**
(), Jean-Pierre Mallet, Carey M. Suehs, Christian Martinez, Arnaud Bourdin, Nicolas Molinari, Dany Jaffuel
- PA2255 Sleep disordered breathing (SDB): respiration simulation on a bench integrating polygraph data**
Shuo Liu (Shenyang, China), Yann Retory, Amelie Sagniez, Sebastien Hardy, Francois Cottin, Gabriel Roisman, Michel Petitjean
- PA2256 Certification of fitness to drive in sleep apnea patients – are we doing the right thing?**
Ludger Grote (Göteborg, Sweden), Sven Svedmyr, Kristina Annelid, Ding Zou, Lena Engelman, Jan Hedner
- PA2257 Effects on CPAP use of a patient support mobile app**
Heather Engleman (Edinburgh (Edinburgh), United Kingdom), Christy Stitt, Lauren Creswick, Nuno Cachada, Matthew Thomas, Jonathan Leahy, Sarah Martin, Neena Derashri, Tom Kelly
- PA2258 Telemedicine(TM)-based strategy for management of obstructive sleep apnea (OSA): Virtual sleep unit**
Vera Marcela Lugo Arrúa (Barcelona, Spain), Onintza Garmendia, Monique Suarez, Marta Torres, Concepción Ruiz, Ramón Farré, Josep María Montserrat
- PA2259 Primary Care Physicians Can Comprehensively Manage Sleep Apnea Patients using a semi-automatic algorithm**
M^a Ángeles Sanchez Quiroga (Plasencia, Spain), Jaime Corral Penafiel, Carmen Carmona Bernal, Maria Isabel Asensio Cruz, Marta Cabello, M^a Ángeles Martinez Martinez, Carlos Javier Egea Santaolalla, Estrella Ordax, Ferran Barbe, Juan Fernando Masa Jimenez
- PA2260 A big data analysis of ASV therapy pressures**
Adam Benjafield (San Diego, United States of America), Dongquan Liu, Haixiang Shi, Holger Woehrle, Peter Cistulli, Jeff Armitstead, Carlos Nunez, Jean-Louis Pepin, Atul Malhotra
- PA2261 Clinical and cost-effectiveness of a mandibular advancement device versus continuous positive airway pressure in moderate obstructive sleep apnea: a randomized controlled trial**
Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Karin M. Vermeulen, Johannes Claessen, Wouter Jacobs, Jan Van Der Maten, Han Van Der Hoeven, Boudewijn Stegenga, Huib Kerstjens, Peter Wijkstra
- PA2262 Impact of lifestyle modification as part of a sleep service on CPAP requirement**
Kay Roy (St Albans (Hertfordshire), United Kingdom), Glenda Esmond, David Evans
- PA2263 Randomized trial of oropharyngeal exercises plus incentive spirometry on patients with mild to moderate obstructive sleep apnea syndrome**
Prapun Kittivoravitkul (Bangkok, Thailand), Chonlada Laohaviranit, Sorakai Wongpaiboonwatana
- PA2264 Treatment of sleep-disordered breathing with positional therapy: long-term results**
Jolien Beyers (Edegem, Belgium), Marijke Dieltjens, Chloé Kastoer, An Boudewyns, Ilse De Volder, Ann Van Gastel, Johan A Verbraecken, Wilfried A De Backer, Marc J Braem, Paul H Van De Heyning, Olivier M Vanderveken

7.3J

Session 256

10:45 - 12:45

Poster discussion: Respiratory epidemiology: from COPD to factors that associate with lung function and infections

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory infections Respiratory infections

Method(s) : Cell and molecular biology Public health General respiratory patient care Epidemiology

Chairs : Christer Janson (Uppsala, Sweden), Jennifer Quint (Wimbledon, United Kingdom)

- PA2265** **Late Breaking Abstract - Dysanapsis is a major determinant of airflow limitation among older adults**
Benjamin Smith (New York, United States of America), Andrea Benedetti, Norrina B. Allen, Alain Bertoni, Markus Hilpert, David R. Jacobs Jr., Joel D. Kaufman, Ching-Long Lin, Erin D. Michos, Elizabeth Oelsner, Karol E. Watson, Eric A. Hoffman, R. Graham Barr
-
- PA2266** **Late Breaking Abstract - The population attributable risks (PAR) for chronic airflow obstruction (CAO) in 40 BOLD study centres worldwide.**
Peter Burney (London, United Kingdom), Jaymini Patel, Cosetta Minelli
-
- PA2267** **Incidence of airflow obstruction over 20 years in Europe**
Simone Accordini (Verona (VR), Italy), Lucia Calciano, Alessandro Marcon, Giancarlo Pesce, Josep Antó, Anna Beckmeyer-Borowko, Angelo Corsico, Medea Imboden, Christer Janson, Dirk Keidel, Francesca Locatelli, Cecilie Svanes, Deborah Jarvis, Nicole Probst-Hensch, Cosetta Minelli
-
- PA2268** **Results from the Argentinean AATD Screening Program 2010-2017**
Victoria Lorenzon (Ciudad Autónoma Buenos Aires, Argentina), Soledad Saez, Mariano Fernandez Acquier, Guillermo Menga, Martin Fernandez, Jose Oyhamburu, Patricia Sorroche
-
- PA2269** **The impact of comorbidities on mortality in COPD, report from the OLIN COPD study.**
Sami Sawalha (Boden, Sweden), Linnea Hedman, Helena Backman, Eva Rönmark, Bo Lundbäck, Nikolai Stenfors, Anne Lindberg
-
- PA2270** **Long-acting inhalation treatment and the risk of urinary tract infection – a symmetry analysis**
Daniel Pilsgaard Henriksen (Odense C, Denmark), Christian B. Laursen, Jane Winkel Sterndorf, Jesper RøMhild Davidsen, Jesper Hallas
-
- PA2271** **The effect of inhaler switching on asthma and COPD patients**
Chloe Bloom (London, United Kingdom), Ian Douglas, Liam Smeeth, Jenni Quint
-
- PA2272** **Comparing objective inhaler use among COPD and Asthma populations**
Heather Hoch (Denver, United States of America), Leanne Kaye, William Anderson, Rahul Gondalia, Meredith Barrett, Michael Tuffli, David Van Sickle, Stanley Szeffler, David Stempel
-
- PA2273** **Persistence to COPD therapies and impact on exacerbations: a French claims data study**
Faustine Dalon (Lyon, France), Gilles Devouassoux, Manon Belhassen, Gaele Nachbaur, Camille Correia Da Silva, Lynda Sail, Christos Chouaid, Eric Van Ganse
-
- PA2274** **The impact of patient characteristics on the Minimal Clinically Important Difference of COPD health status tools**
Harma Alma (Groningen, Netherlands), Corina De Jong, Danijel Jelusic, Michael Wittmann, Michael Schuler, Robbert Sanderman, Konrad Schultz, Janwillem Kocks, Thys Van Der Molen
-
- PA2275** **Follow-up desaturation in 6 minute walk tests and lung function decline in COPD patients**
Marie Johanne Waatevik (Bergen, Norway), Tomas Eagan, Francisco Real, Jon Hardie, Per Bakke, Bente Frisk, Ane Johannessen
-
- PA2276** **Impact of morning symptoms on 18-mo COPD outcomes across psychological distress status: a population-based study**
Gregory Moullec (Montreal, Canada), Wan Tan, Pei Zhi Li, Norbert Feigler, Jean Bourbeau - On Behalf Of The Cancold Group
-
- PA2277** **Pneumonia vs non-pneumonia in COPD exacerbations – different risks?**
Gunnar Reksten Husebø (Fana, Norway), Rune Grønseth, Sverre Lehmann, Birger Lærum, Tomas Mikal Eagan
-
- PA2278** **Association between type 2 diabetes, prediabetes and lung function: Results from the KORA cohort**
Stefan Karrasch (Neuherberg, Germany), Vanessa Jäger, Barbara Thorand, Cornelia Huth, Kathrin Kahnert, Wolfgang Rathmann, Annette Peters, Dennis Nowak, Rudolf A. Jörres, Holger Schulz
-
- PA2279** **Blood cell counts and C-reactive protein in relation to lung function in NHANES 2007-2010**
Elisabet Nerpin (Falun, Sweden), Fonseca A João, Tiago Jacinto, Kjell Alving, Christer Jansson, Andrei Malinovschi
-
- PA2280** **Low dehydroepiandrosterone sulfate (DHEA-S) is associated with worse lung function in women.**
Giancarlo Pesce (Paris, France), Kai Triebner, Diana Van Der Plaats, Dominique Courbon, Alessandro Marcon, Simone Accordini, Josep Antó, Sandra Dorado-Arenas, Jose Gullon, Jose Sanchez-Ramos, Isabelle Pin, Pórarinn Gislason, Kjell Torén, Bertil Forsberg, Eva Lindberg, Elizabeth Zemp, Rain Jogi, Shyamali Dharmage, Nicole Probst, Deborah Jarvis, Judith Garcia-Aymerich, Francisco Gomez-Real, Benedicte Leynaert

PA2281 Nontuberculous mycobacterial disease within UK primary care, 2006-2016
Eleanor Axson (London, United Kingdom), Chloe Bloom, Marko Obradovic, Roald Van Der Laan, Jennifer Quint

PA2282 Sex differences in bronchiectasis patient characteristics: an analysis of the EMBARC cohort
Simon Finch (Perth (WA), United Kingdom), E. Polverino, F. Blasi, F. Ringshausen, A. De Soyza, M. Vendrell, P. Goeminne, W. Boersma, C. Haworth, M. Murriss-Espin, A Dimakou, M Loebinger, R. Menendez, A. Torres, T. Welte, A. Hill, R. Wilson, S. Elborn, S. Aliberti, James D. Chalmers

7.3U Session 257 11:00 - 13:00

Professional development: PDW5 Teamability: become an effective team leader and member

Aims : Participants will increase their ability to identify characteristics of effective and ineffective teams, team leaders and team members; to identify their own and others' style of team interaction and how to bridge across styles; to utilise skills in relationship building, managing differences and building trust and collaboration; and to collaboratively lead and participate in healthcare teams.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Louellen N. Essex (Wayzata, United States of America), Gernot G.U. Rohde (Frankfurt am Main, Germany)

What makes a healthcare team effective? 2283
Louellen N. Essex (Wayzata, United States of America)

Stages of team development: how to lead and participate effectively 2284
Louellen N. Essex (Wayzata, United States of America)

Question and answer session 2285
Louellen N. Essex (Wayzata, United States of America)

Action planning: how to apply what has been learned 2286
Louellen N. Essex (Wayzata, United States of America)

No Room Session 260 12:30 - 17:00

Game Zone: GAME ZONE - SESSION 4

Ultrasound 2289
Cristina Avram (Manchester (Greater Manchester), United Kingdom), Sofia Romani (Roma (RM), Italy),
Angela Lopez Bauza (, Spain)

Interventional Bronchoscopy 2290
Michelle Andrea Espinoza Solano (Sevilla, Spain), Speaker to be confirmed

TP-01 Session 262 12:50 - 14:40

Thematic poster: Critically ill patients: prognostic factors and biomarkers

Disease(s) : Respiratory critical care Respiratory infections Airway diseases Respiratory infections

Method(s) : Physiology General respiratory patient care Surgery Respiratory intensive care

Chairs : John Laffey (Toronto (ON), Canada), Annia Fleur Schreiber (Torino (TO), Italy), Claudia Crimi (Catania (CT), Italy), Miquel Ferrer Monreal (Barcelona, Spain)

PA2292 Short and long-term prognosis of elderly patients (pts) subjected to invasive mechanical ventilation (IMV) in the intensive care unit (ICU)
Paula Ines Pedro (Odivelas, Portugal), Rui Gomes, Lucinda Oliveira, Antero Fernandes

PA2293 Quality of life before intensive care unit admission and its influence on mortality: Preliminary results
Ezgi Özyilmaz (Adana, Turkey), Ozlem Ozkan Kuscu, Gulsah Orhan, Emre Karakoc, Gulsah Seydaoglu, Rengin Guzel

PA2294 Early identification of patients at risk for acute respiratory distress syndrome among severe pneumonia: a retrospective cohort study
Jian Luo (Chengdu (Sichuan), China), Jian Luo (Chongqing (Chongqing), China), He Yu, Yuehong Hu, Dan Liu, Yiwei Wang, Maoyun Wang, Binmiao Liang, Zongan Liang

PA2295 Delirium as a predictor of high flow nasal cannula failure in patients with acute respiratory failure
Ryosuke Imai (Tokyo, Japan), Ryosuke Tsugitomi, Torahiko Jinta, Ui Yamada, Kazuhiro Aoki, Tomohide Tamura

PA2296	Factors affecting success of high flow oxygen therapy in acute hypoxemic respiratory failure Emel Eryüksel (Istanbul, Turkey), Huseyin Arikan, Umut Kasapoglu, Erdem Yalcinkaya, Aysen Erer, Sehnaz Olgun Yildizeli, Sait Karakurt
PA2297	Predicting factors for the failure of high flow nasal cannula therapy in patients with acute respiratory failure Seung Hoon Kim (Suwon, Republic of Korea), Chi Hong Kim, Shin Young Kim, So Hyang Song, Sung Kyoung Kim
PA2298	Implementation of educational measure for adjustment of target saturation in patients of intensive care unit: cross-sectional study Aline Heidemann (Campinas, Brazil), Bianca Ferrari, Gabriela Nahas, Lidiane Souza, Rodrigo Tonella, Desanka Dragosavac, Luciana Figueiredo, Erica Gastaldi
PA2299	Impact of early antibiotic therapy (EAT) on outcome of patients with sepsis at the emergency room of National Kidney and Transplant Institute Irene Rosellen Tan (Manila, Philippines), Myrna Mendoza
PA2300	A retrospective observational study of predictive correlation of pre-operative respiratory status with post-operative course(hospital stay, ICU & assisted ventilation). Bharat Toshniwal (Nanded (Maharashtra), India), Gauri Godbole, Vipin Aggarwal, Hardik Patel
PA2301	Peripheral venous blood gas analysis versus arterial blood gas analysis for the diagnosis of respiratory failure and metabolic disturbance in adults. Anthony Byrne (Sydney (NSW), Australia), Michael Bennett, Rebecca Symons, Robindro Chaterji, Nathan Pace, Paul Thomas
PA2302	Increased bronchoalveolar lavage fluid peroxiredoxin 6 levels in acute respiratory distress syndrome Dong Yang (Shanghai, China), Xiaocen Wang, Jie Liu, Chen Bao, Yuanlin Song
PA2303	eNAMPT as a novel diagnostic and prognostic biomarker in critically ill septic patients Irene Karampela (Athens, Greece), Evangelia Kandri, Gerasimos-Socrates Christodoulatos, Evangelia Chrysanthopoulou, George Skyllas, George Antonakos, Evangelos Voyatzakis, Apostolos Armaganidis, Maria Dalamaga
PA2304	Resistin may predict severity and mortality in critically ill septic patients Irene Karampela (Athens, Greece), Gerasimos-Socrates Christodoulatos, Evangelia Kandri, Evangelia Chrysanthopoulou, George Skyllas, George Antonakos, Evangelos Voyatzakis, Apostolos Armaganidis, Maria Dalamaga
PA2305	Circulating eNAMPT and resistin as emerging biomarkers in sepsis Irene Karampela (Athens, Greece), Evangelia Kandri, Gerasimos-Socrates Christodoulatos, George Skyllas, Evangelia Chrysanthopoulou, George Antonakos, Evangelos Voyatzakis, Apostolos Armaganidis, Maria Dalamaga
PA2306	Effect of body mass index on B-type natriuretic peptide levels in critically ill patients Jae Joon Hwang (Seoul, Republic of Korea), Seoung Woo Han, Yong Suk Jo, Kyung Won Kim, Cheon Woong Choi
PA2307	Comparison of acid-base interpretation by Henderson-Hasselbach, base excess and Stewart methods using SMART MEDIC application Yusup Subagio Sutanto (surakarta, Indonesia), Dian Apriliana, Reviono Reviono, Jatu Aphridasari, Dewi Nurul Makhahah, Sukirman Siswanto
PA2308	Procalcitonin and clinical pulmonary infection score as predictors of stroke associated pneumonia. Alaa Metwaly (Zagazig, Egypt), Takwa Hussieny, Hanaa Hosny
PA2309	Follow-up of the TIE index can predict success at prolonged weaning Leonardo Souza (Rio De Janeiro (RJ), Brazil), Bruno Guimarães, Fernando Guimarães, Jocemir Lugon

TP-02

Session 263

12:50 - 14:40

Thematic poster: Preclinical and clinical studies of critical illness

Disease(s) : Respiratory critical care Respiratory infections Airway diseases Thoracic oncology Pulmonary vascular diseases
Respiratory infections

Method(s) : Surgery Physiology General respiratory patient care Public health Imaging Cell and molecular biology Respiratory intensive care

Chairs : Antonio Artigas (Sabadell (Barcelona), Spain), Kristian Brat (Brno, Czech Republic), Raquel Guillamat-Prats (Barcelona, Spain), Marta Camprubi-Rimblas (Molins de Rei, Spain)

PA2310	Late Breaking Abstract - Effect of Hypercapnia in human primary culture of alveolar cells in vitro Marta Camprubi-Rimblas (Molins de Rei, Spain), Josep Bringue, Luis Morales, Neus Tantinya, Antonio Artigas
PA2311	Effect of a newly developed cytokine adsorption column in a rat model of acute lung injury. Yuhei Yoshida (Sagamihara, Japan), Miwako Kanemaru, Kozue Kobayashi, Kenichi Kokubo, Hirotsuke Kobayashi

- PA2312 Antithrombin plus alpha-1 protease inhibitor does not affect pulmonary inflammation and coagulation in a 'double-hit' lung injury model**
Jenny Juschten (Amsterdam, Netherlands), Sarah Anna Ingelse, Matthias Adrie Willem Maas, Armand Ro Jo Girbes, Nicole Pi Juffermans, Marcus Ju Schultz, Pieter Roel Tuinman
- PA2313 Hypoxia aggravates failure of autoresuscitation in a rat model of LPS-induced endotoxemia.**
Zhanna Donina (St. Petersburg, Russian Federation)
- PA2314 Breathing disorders and survival during inflammation associated with severely hypoxia depends from prostaglandin-mediated pathway.**
Elizaveta Baranova (St. Petersburg, Russian Federation)
- PA2315 The use of aerosolized prostacyclins is associated with improvements in gas-exchange but no difference in hemodynamics in critically-ill patients**
Roberto Bernardo (Oklahoma City, United States of America), Huzaifa Jaliawala, Brent Brown
- PA2316 Improvement of ventilation-induced diaphragm dysfunction through toll-like receptor 4 and nuclear factor- κ B in a murine sepsis model**
Li-Fu Li (Kweishan (Taoyuan), Taiwan), Chih-Hao Chang, Li-Chung Chiu
- PA2317 Nebulizer Location and spontaneous breathing on Aerosol Delivery during Airway Pressure Release Ventilation in Adult Lung Model**
Huiqing Ge (Hangzhou (Zhejiang), China), Jimei Wang
- PA2318 Use of I-Gel facilitates percutaneous dilatational tracheostomy in the ICU. A preliminary report.**
Aniello De Nicola (Pompei (NA), Italy), Maria José Sucre
- PA2319 Effect of tidal volume on fugitive emissions during mechanical ventilation**
Gavin Bennett (Galway, Ireland), Ciarrai O'Toole, Mary Joyce, James Mcgrath, Miriam Byrne, Ronan Macloughlin
- PA2320 Computational modelling of oxygen insufflation during apnoea in obesity.**
Marianna Laviola (Nottingham, United Kingdom), Anup Das, Declan G. Bates, Jonathan G. Hardman
- PA2321 Magnesium sulphate as an adjuvant therapy in critically ill infants and children presenting with wheezy chest in addition to standard treatment**
Yasmin Saied (Cairo, Egypt), Hala Hamdy, Hafez Bazaraa, Hanaa Rady, Sherif Elanwary
- PA2322 Early corticosteroid in influenza pneumonia related acute respiratory distress syndrome treated with extracorporeal membrane oxygenation**
Yu-San Chien (Taipei City, Taiwan), Chen-Yen Chien, Jiun-Yi Li
- PA2323 Results of bronchial artery embolization in patients with hemoptysis**
Alexey Petrunkin (St. Petersburg, Russian Federation), Maxim Karashevich, Oleg Orzheshkovskii, Alexey Pichurov, Andrey Petrov, Mikhail Atyukov, Kirill Kravchenko, Piotr Yablonskii
- PA2324 Bacteriological structure of lower respiratory tract infections in ICU patients of a single tertiary care medical center in Central Kazakhstan**
Aigerim Yergaliyeva (Astana, Kazakhstan), Nelya Bisenova
- PA2325 Clinical outcomes of the patients with multidrug-resistant *Acinetobacter baumannii* pneumonia in critical care setting: A retrospective cohort study in Taiwan**
Pei-Fen Wu (Yunlin county, Taiwan), Yen-Fu Chen, Chi-Ying Lin
- PA2326 The burden of respiratory infections caused by resistant bacteria and need for antibiotics stewardship program in Balochistan, Pakistan**
Muhammad Uyghur (Quetta, Pakistan)
- PA2327 Pulmonary physician consultancy in emergency services in Turkey (PUPCEST) – a prospective multicenter study**
Özlem Erçen Diken (Çorum, Turkey), Aydanur Ekici, Hayriye Bektaş, Hanifi Yıldız, Ali Tabaru, Nalan Ogan, Pınar Yıldız Gülhan, Tarkan Özdemir, Sulhattin Arslan, Mustafa Tosun, Şeyma Başlılar, Talat Kılıç, Tuncer Özkısa, Sibel Pekcan Özyurt, Özlem Şengören Dikiş, Hüseyin Arpağ, Ümran Toru Erbay, Ümit Tutar, Aysun Ayvacı, Dorina Esendağlı, Iclal Hocalı, Nuray Oktay, Neslihan Özçelik, Mehmet Karadağ, Gamze Kırkıl, Tevfik Özlü

TP-03

Session 264

12:50 - 14:40

Thematic poster: Muscles and diaphragm, and quality improvement

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Respiratory infections Respiratory infections

Method(s) : Transplantation Physiology Imaging General respiratory patient care Respiratory intensive care

Chairs : Alexandre Demoule (Paris, France), Christian Bruells (Aachen, Germany), Julien Guiot (Liège, Belgium), Chair to be confirmed

- PA2328 Different loads of inspiratory muscle training in mechanical ventilation weaning: randomized trial**
Ligia Roceto Ratti (Valinhos, Brazil), Rodrigo Tonella, Luciana Figueiredo, Ivete Saad, Antonio Falcão, Pedro Paulo Martins
- PA2329 Analysis of the involvement of respiratory muscles through the TIE index in patients in ventilatory weaning with surface electromyography**
Helson Costa (Rio De Janeiro (RJ), Brazil), Leonardo Souza, Arthur Neto, Marcos David Godoy, Jocemir Lugon
- PA2330 Impact of diaphragmatic mobility in lung aeration loss in critically ill patients**
Caroline Gomes Mól (São Paulo, Brazil), (), Monize Karla Alves Aquino, Renato Batista Reis, Catherine Cely Oliveira, Nataly Gomes Benites De Camargo, Rita Ferreira De Souza, Clarice Tanaka
- PA2331 Use of a new protocol of the inspiratory muscle training can be the key to improve survival of patients under prolonged ventilation**
Leonardo Souza (Rio De Janeiro (RJ), Brazil), Bruno Guimarães, Fernando Guimarães, Jocemir Lugon
- PA2332 Can you cross-train the inspiratory muscles by repetitive isometric neck flexion?**
Wendy Darlene Reid (Toronto ON, Canada), Luana Melo, Masatoshi Hanada, Karl Zabjek
- PA2333 Clinical evidence for respiratory pump insufficiency predicts weaning failure**
Friederike Sophie Magnet (Köln, Germany), Hannah Bleichroth, Sophie E. Huttmann, Jens Callegari, Sarah B. Schwarz, Claudia Schmoor, Wolfram Windisch, Jan H. Storre
- PA2334 Floor and ceiling effects of functional status and peripheral muscle strength assessment scales in non-intubated critically ill patients.**
Carlos Ramirez Gonzalez (Paulista, PE, Brazil), Shirley Campos, Maria Karoline Richtmoc, Wagner Leite, Anielle Azevedo, Ananda Silva, Raissa Correia, Wildberg Alencar, Caio Moraes, Cyda Reinaux, Daniella Brandão, Maria Da Glória Rodrigues Machado, Armele Dornelas De Andrade
- PA2335 The effect of early pulmonary rehabilitation on the treatment of ICU chronic obstructive pulmonary disease with severe respiratory failure**
Fangbo Zhao (Changchun (Jilin), China), Shuang Whang, Hongjing Lin
- PA2336 Pressure support ventilation (PSV) mode vs. (PSV)mode + T-piece trial as a weaning modality in mechanically ventilated chronic obstructive pulmonary disease patients**
ahmed metwally (Assuit , Egypt), Rafat El-Sokary, Hassan Abd-Latif, Ghada Ahmed
- PA2337 Effects of Hygrovent Gold versus conventional humidifiers on invasive ventilation efficiency**
Annia Fleur Schreiber (Torino (TO), Italy), Piero Ceriana, Manuela Piran, Giuditta Bettinelli, Alberto Malovini, Roberto Colombo, Annalisa Carlucci
- PA2338 Alveolar recruitment improving oxygenation in Acute Respiratory Distress Syndrome: A prospective observational study**
Ann Mary Jose (Manipal (Karnataka), India)
- PA2339 A new device to prevent unplanned endotracheal self-extubation in mechanically ventilated patients.**
CHEN-CHUN LIN (Taipei City, Taiwan), Hsiu-Li Wu, Szu-Yin Chen
- PA2340 Comparison of pediatric patients managed in the pediatric intensive care unit and other intensive care units**
Woo Ri Bae (Seoul, Democratic People's Republic of Korea), Beom Joon Kim, Kyung Hoon Kim, Hye Jin Lee, Jong-Seo Yoon
- PA2341 Clinical outcome of medical emergency team activation according to trigger time**
Se Hee Lee (Seoul, Republic of Korea), Jin Won Huh, Sang Bum Hong, Chae Man Lim, Youn Suck Koh
- PA2342 Early noninvasive ventilation in patients with severe community acquired pneumonia with or without ARDS**
Yordanka Yamakova (Sofia, Bulgaria), Rosen Petkov, Viktoria Ilieva, Miroslav Mihaylov, Borislav Velez, Ivelina Staneva
- PA2343 Quality Improvement: Implementing NEWS scores at morning board round to improve discussion of sick respiratory patients**
Kamatamu Amanda Mbonye (London, United Kingdom), Abigail Slack, Helena Hansford, Aklak Choudhury
- PA2344 Beneficial, but justifiable yet? ECCO2-Removal**
Coskun Ates (Edirne, Turkey), Funda Yilmaz, Onur Mert, Idris Kurt, Hunkar Aggul, Zeliha Ademoglu, Merih Reis, Serdar Efe, Volkan Inal
- PA2345 Accuracy of gas exchange measurements as predictors of early successful weaning among ICU patients of Philippine Heart Center: a Prospective Cohort Study**
John Ray Galamay (Quezon City, Philippines), Teresita De Guia, Ma. Encarnita Blanco-Limpin

PA2346 **The complacency could be predictive of TDGE in postoperative cardiac surgery: Croos sectional study?**
Aline Heidemann (Campinas, Brazil), Thais Bento, Claudineia Logato, Antonio Falcão, Orlando Petrucci, Luciana Figueiredo, Desanka Dragosavac

PA2347 **Stroke volume change after digoxin loading in septic shock patients with transient left ventricular systolic dysfunction.**
Dong Hyun Lee (Busan, Republic of Korea), Jin-Heon Jeong, Bo Hyoung Kang, Soojung Um, Choonhee Son

TP-04

Session 265

12:50 - 14:40

Thematic poster: Non-invasive ventilation for acute respiratory failure

Disease(s) : Respiratory critical care Sleep and breathing disorders Airway diseases Pulmonary vascular diseases Respiratory infections Respiratory infections

Method(s) : Surgery Epidemiology Public health General respiratory patient care Respiratory intensive care

Chairs : Lúgia Helena Pires Vicente (Portimão, Portugal), Marcus Schultz (Amsterdam, Netherlands), Anne-Kathrin Brill (Bern, Switzerland), Himender Makker (London, United Kingdom)

PA2348 **Late Breaking Abstract - Severe pneumonia patients may could not benefit from antibiotic combination therapy and non-invasive ventilation(NIV), despite the advanced mode**
BoXue Han (Beijing, China), Xiuli Chen, Lewen Gan, Shanxiang Lei, Zhen Sun, Peipei Du, Lei Sun, Lishun Yue

PA2349 **Late Breaking Abstract - Home ventilators failure : a nation-wide cohort analysis.**
Samuel Dolidon (Rouen, France), Boris Melloni, Jean Francois Chabot, Didier Forêt, Eva Tesnière, Antoine Barral, Dominique Leclerc, Johan Dupuis, Gilles Petit, Jean-François Muir, Antoine Cuvelier, Maxime Patout

PA2350 **Predictors of duration of noninvasive ventilation in severe COPD exacerbation**
Alexandru Tudor Steriade (Bucuresti, Romania), Shirin Johari, Nicoleta Filip, Cornelia Tudose, Miron Alexandru Bogdan, Dragos Bumbacea

PA2351 **Non-invasive ventilation for acute respiratory failure in the elderly**
Rodolfo Ferrari (Bologna (BO), Italy), Elena Martino, Giampaolo Bianchi, Daniela Agostinelli, Riccardo Voza, Marco Zoli, Mario Cavazza

PA2352 **Early predictors of success of Non-invasive ventilation in Acute Hypercapnic respiratory failure**
UMESH G (Alappuzha (Kerala), India), L Sundararajan

PA2353 **The rationality of the use of NIV in elderly patients with acute COPD exacerbation**
Sava Pejkovska (Skopje, FYROM (Macedonia)), Dejan Dokic, Gorica Breshkovska, Biserka Kaeva, Smilko Jovanoski, Irina Angelovska, Angela Debreslioska

PA2354 **Review of acute NIV outcomes over four years in a university hospital**
Joanna Lovett (LONDON, United Kingdom), Nilaani Murugesu, Adil Hasnain, Serena Tan, Terry O'Shaughnessy, Vladimir Macavei

PA2355 **The effect of Post-acute domiciliary non-invasive ventilation (NIV) on hospital admissions and length of stay (LOS)**
Alana Livesey (Birmingham (West Midlands), United Kingdom), Amy Oakes, Pearlene Antoine-Pitterson, Emma Gallagher, Biman Chakraborty, Rahul Mukherjee

PA2356 **Ward-based Non-invasive ventilation (NIV) as Ceiling of Care in Acute Hypercapnic Respiratory Failure (AHRF)**
Alana Livesey (Birmingham (West Midlands), United Kingdom), Pearlene Antoine-Pitterson, Amy Oakes, Biman Chakraborty, Rahul Mukherjee

PA2357 **Non-invasive ventilation in acute respiratory failure in a pulmonary ward: chronic obstructive pulmonary disease versus other indications**
Denny Marques Rodrigues (Minde, Portugal), João Pedro Neiva Machado, José Costa, Teresa Costa

PA2358 **Outcomes of noninvasive ventilation in immunosuppressed patients with acute respiratory failure due to pneumonia**
Imren Nesil (Izmir, Turkey), Pervin Korkmaz Ekren, Feza Bacakoglu

PA2359 **Outcomes of a co-ordinated MDT approach to the delivery of acute NIV**
Robert Free (Leicester (Leicestershire), United Kingdom), Liam Curry, Clare Rossall, Liz Pulford, Irene Valero, Schnell D'Sa, Richard Walton, Thomas Grew, Gerrit Woltmann, Rachael Evans

PA2360 **Sleep quality during home noninvasive ventilation (NIV).**
Jasmine Sutter (Caen, France), Raphaël Lukaszewicz, Julien Maris, Florence Portier, Adriana Portmann, Antoine Cuvelier, Maxime Patout

- PA2361** **The impact of late presentation of acidotic hypercapnic respiratory failure in hospitalised COPD patients on outcome following non-invasive ventilation.**
Samuel Trethewey (Birmingham (West Midlands), United Kingdom), Ross Edgar, Julien Morlet, Rahul Mukherjee, Alice Turner
- PA2362** **Assessment of Noninvasive Ventilation in COPD patients requiring Respiratory Critical Care**
Kushal Chidgupkar (Solarpur (Maharashtra), India), Anita Anokar, Medha Bargaje, Ram Deoskar, Shivakumar Iyer
- PA2363** **Non invasive ventilation in elderly COPD with do not intubate order**
Dejan Radovanovic (Milano (MI), Italy), Maurizio Rizzi, Francesca Frassanito, Andrea Airoidi, Andrea Cristiano, Silvia Vanni, Paolo Gaboardi, Pierachille Santus
- PA2364** **Electrical impedance tomography in evaluating the effects of non-invasive ventilation in the post-operative cardiac surgery: randomized controlled clinical trial**
Daniella Brandao (Recife (PE), Brazil), Alita De Novaes, Armèle Dornelas De Andrade, Shirley Campos, Norma Módolo, Christian Gonçalves, Caio Morais, Catarina Rattes, Wagner Leite, Wildberg Lima
- PA2365** **A dynamical model for patient-ventilator interactions during noninvasive ventilation**
Emeline Fresnel (Saint Etienne du Rouvray, France), Adrien Kerfourn, Jean-François Muir, Maxime Patout, Antoine Couvelier
- PA2366** **Evolving indications and demographics for domiciliary Non-Invasive Ventilation (NIV) at an acute hospital based NIV service**
Alana Livesey (Birmingham (West Midlands), United Kingdom), Pearlene Antoine-Pitterson, Amy Oakes, Pradeep Mallisetty, Alice Turner, Rahul Mukherjee
- PA2367** **Does adherence to domiciliary NIMV decrease the rate of subsequent hospitalizations and cost?**
Burcu Arpinar Yigitbas (Istanbul, Turkey), Celal Satıcı, Mustafa Asim Demirkol, Gizem Koybasi, Ayse Filiz Kosar

TP-05

Session 266

12:50 - 14:40

Thematic poster: Non-invasive ventilation in chronic respiratory failure

Disease(s) : Respiratory critical care Airway diseases Sleep and breathing disorders

Method(s) : Epidemiology Physiology Respiratory intensive care General respiratory patient care

Chairs : Patrick B. Murphy (Oxted (Surrey), United Kingdom), João Carlos Winck (Vila Nova de Gaia, Portugal), Maxime Patout (Mont-Saint Aignan, France), Chair to be confirmed

- PA2368** **Mouthpiece ventilation in COPD: an option for not-compliant patients**
Anna Annunziata (Napoli (NA), Italy), Maurizia Lanza, Gianfranco Scotto Di Frega, Rosa Cauteruccio, Ilernando Meoli, Antonio Esquinas, Giuseppe Fiorentino
- PA2369** **A descriptive and cross-sectional multicentric study of long-term home non-invasive ventilation: adaptive servo-ventilation population**
Chloé Cantero (Genève, Switzerland), Patrick Pasquina, Dan Adler, Alain Bigin Younossian, Maura Prella, Paola Gasche, Jean-Paul Janssens
- PA2370** **The NIVO Study: attitudes to ventilation following acute NIV.**
Nicholas Lane (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Tom Hartley, Victoria Ferguson, John Steer, Stephen Bourke
- PA2371** **The minimal clinically important difference of the Severe Respiratory Insufficiency questionnaire.**
Janine Kort (Groningen, Netherlands), Gerrie Bladder, Marieke Duiverman
- PA2372** **Skin integrity in domiciliary non-invasive ventilation: a clinical audit**
Sarah Ewles (Southampton, United Kingdom), Sally Cozens, Peter R Worsley, Sean Ewings, Joy Conway
- PA2373** **Long-term outcomes of patients with chronic hypercapnic respiratory failure (CHRF) managed with home noninvasive ventilation (NIV)**
Marcus Sim (Singapore, Singapore), Anthony Yii, Leong Chai Leow, Thun How Ong
- PA2374** **Epidemiology of Non-Invasive Domiciliary Ventilation in the southwest of Spain**
Jacinto Hernandez Borge (Badajoz, Spain), Luis Miguel Sierra Murillo, Miguel Benitez-Cano Gamonoso, Kaoutar El Bouteabi Faiz, Maria Jose Antona Rodriguez, Maria Carmen Garcia Garcia, Francisca Lourdes Marquez Perez, Ana Maria CastañAr Jover, Pilar Cordero Montero
- PA2375** **Temporal trends in the initiation of domiciliary non-invasive ventilation (NIV)**
Alana Livesey (Birmingham (West Midlands), United Kingdom), Pearlene Antoine-Pitterson, Amy Oakes, Clare Williams, Biman Chakraborty, Rahul Mukherjee

- PA2376 Noninvasive ventilation (NIV) adherence for chronic respiratory failure treatment**
Gurvan Le Bouar (Franqueville-Saint-Pierre, France), Déborah Boyer, Elise Artaud-Macari, Luis Carlos Molano, Catherine Viacroze, Antoine Cuvelier, Maxime Patout
- PA2377 Inspired oxygen fraction during non-invasive ventilation: the influence of flow rates, masks, exhalation ports and ventilatory settings**
Maud Hoofs (Zoetermeer, Netherlands), Rob Hagmeijer, Marieke L. Duiverman
- PA2378 Noninvasive ventilation (NIV) related adverse events**
Maxime Patout (Mont-Saint Aignan, France), Christian Caillard, Gregoire Jolly, Kinan El Hussein, Mathilde Le Brun, Marielle De Marchi, Julien Pierchon, Diane Gervereau, Mohamed-Zouhaier Gharsallaoui, Antoine Cuvelier
- PA2379 Do patients on NIV change their NIV use on nights when they have oximetry?**
Paul Plant (Leeds (West Yorkshire), United Kingdom), V Yioe, A Khajuria, K Ward, R Angus, B Chakrabarti, N Duffy, R Parker, A Manuel
- PA2380 Overnight monitoring of lung mechanics and Tidal expiratory flow limitation (EFLT) by Forced Oscillation Technique (FOT) in Chronic Obstructive Pulmonary Disease (COPD) receiving non-invasive ventilation (NIV): the impact of sleep and posture**
Ilaria Milesi (Milano (MI), Italy), Roberto Porta, Michele Vitacca, Simona Cacciatore, Rossella Trentin, Luca Barbano, Francesco Fanfulla, Raffaele Dellaca
- PA2381 Use of nasal pillows in amyotrophic lateral sclerosis (ALS) patients with high non invasive ventilation (NIV) dependence**
Luana Focaraccio (Torino (TO), Italy), Giulia Rovere, Roberta Di Tria, Renza Ambrosanio, Elisa Clivati, Sabrina Marchisio, Giuseppe Tabbia, Caterina Bucca, Alessio Mattei
- PA2382 Home monitoring of transcutaneous PCO2 in children on long term ventilation.**
(), Samira Touil, Annick Frapin, Sonia Khirani, Alessandro Amaddeo, Brigitte Fauroux
- PA2383 PROGNOSTIC FACTORS FOR SUCCESSFUL ADHERENCE WITH NON-INVASIVE MECHANICAL VENTILATION THERAPY.**
Sofia Jaurrieta Largo (Valladolid, Spain), Ignacio Lobato Astiárraga, Blanca De Vega Sánchez, María José Chourio Estaba, Ana María Andrés Porrás, Ana Isabel García Onieva, Irene Alaejos Pascua, María Beatriz Cartón Sánchez, Isabel Ramos Cancelo, Carlos Disdier Vicente
- PA2384 Non-invasive ventilation in motor neurone disease patients attending the West of Scotland Long-Term Ventilation Unit (WoSLTVU)**
Grace Murphy (Glasgow (Glasgow), United Kingdom), Joanne Payne, Alison Clarke, George Gorrie, David Raeside, Scott Davidson
- PA2385 Role of Comorbidities and BMI on the Efficacy of Non Invasive Ventilation in COPD with Chronic Hypercapnia.**
Angelo Petroianni (Roma (RM), Italy), Letizia D'Antoni, Jacopo Di Lorenzo, Fatim Zahra El Couhen, Francesca Oriolo, Elda Graziani
- PA2386 Security of removal long- term domiciliary oxygen therapy without indication.**
Maria Jose Chourio Estaba (), Spain), Sofia Jaurrieta Largo, Ignacio Lobato Astiárraga, Blanca De Vega Sánchez
- PA2387 Pressure-controlled versus vs. volume-controlled ventilation in patients affected by amyotrophic lateral sclerosis (ALS).**
Grazia Crescimanno (Palermo (PA), Italy), Maria Canino, Francesca Greco, Oreste Marrone

TP-06

Session 267

12:50 - 14:40

Thematic poster: New tools for managing respiratory failure

Disease(s) : Respiratory critical care Airway diseases Sleep and breathing disorders Respiratory infections Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care Physiology General respiratory patient care

Chairs : Dominic Dellweg (Schmallenberg Grafschaft, Germany), Lara Pisani (Bologna (BO), Italy), Lieuwe Bos (Amsterdam, Netherlands), Chair to be confirmed

- PA2388 High-flow nasal cannula therapy has the effectiveness for acute respiratory failure including hypercapnic status:a single-centered retrospective study.**
Yeonkyung Park (Seongnam, Republic of Korea), Yuki Nakamura, Osamu Hataji, Yuta Suzuki, Haruko Saiki, Kentarou Itop, Yoichi Nishii, Gabazza Esteban Cesar
- PA2389 Noninvasive ventilation compared to Albuterol in respiratory mechanics and lung function of asthmatics after bronchoprovocation. Randomized cross-over trial.**
Evelim Gomes (São Paulo (SP), Brazil), Maisi David, Adriana Santos, Aldenice Magalhaes, Viviane Alves, Dirceu Costa

- PA2390 High flow nasal cannula: influence of gas type and flow rate on positive airway pressure and CO₂ clearance in adult nasal airway replicas**
Charles Moore (Edmonton (AB), Canada), Ira Katz, Marine Pichelin, Georges Caillibotte, Warren Finlay, Andrew Martin
- PA2391 An audit of Non-invasive ventilation (NIV) in practice and introduction of an integrated care pathway for the management of acute ventilatory failure in an Irish Hospital.**
Ciara Gough (Dublin, Ireland), Catherine Mcgeoghegan, Deirdre Long, Dorothy Ryan
- PA2392 Clinical significance of episodic nocturnal hypercapnia and its treatment with non-invasive positive pressure ventilation in patients with stable advanced chronic obstructive pulmonary disease**
Takamasa Kitajima (Osaka, Japan), Satoshi Marumo, Reina Hara, Aya Watanabe, Haruna Yamaki, Hiroshi Shima, Masahiro Shirata, Daiki Inoue, Yuko Katayama, Ryo Itotani, Motonari Fukui
- PA2393 Survival and decision making for tracheotomy in ALS**
Natalia Pascual Martinez (Cordoba, Spain), Silvia Martin Bueno, Ana Palomares Muriana, Francisca Montoro Ballesteros, Nuria Feu Collado, Bernabe Jurado Gamez
- PA2394 Evaluation of Low Tidal Volume during General Anesthesia in Prone Position on Respiratory Functions**
Mohamed Shahat Badawy (Luxor, Egypt), Ahmed El Saeed, Osama Hamdy, Ahmad Yousef, Marwa Hamed
- PA2395 Comparison between NIV and IMV in young people with neuromuscular diseases in age to transition to adult care.**
Alessandro Onofri (Roma (RM), Italy), Martino Pavone, Elisabetta Verrillo, Maria Beatrice Chiarini Testa, Serena Caggiano, Virginia Mirra, Claudio Cherchi, Renato Cutrera
- PA2396 DIFFERENCES BETWEEN PATIENTS WITH INVASIVE, NON INVASIVE VENTILATION and BOTH**
Ana Roca Noval (Madrid, Spain), Beatriz Aldave, Tamara Alonso Pérez, Marta Erro Iribarren, Pedro Landete, Enrique Zamora García, Julio Ancochea Bermúdez
- PA2397 Comparative study between functional and endoscopic indicators for Percutaneous endoscopic gastrostomy (PEG) in ALS.**
Bebiana Da Conceição Fernandes Palheiros Conde (Vila real, Portugal), Maria Brandão, Sara Raimundo, Rafael Noya, Joao Carlos Winck
- PA2398 Effect of nebuliser position on aerosol performance during high flow nasal therapy**
Gavin Bennett (Galway, Ireland), Mary Joyce, Louise Sweeney, Ronan Macloughlin
- PA2399 Cough-augmentation techniques in patients with neuromuscular disease and non-invasive ventilation**
Roberto Vera Uribe (Santiago, Chile), Rodrigo Torres-Castro, Luis Vasconcello, Marisol Barros-Poblete, Javiera Rosales-Fuentes, Gregory Villarroel, Raul Valenzuela, Paola Pontoni, Rebeca Paiva R.
- PA2400 Domiciliary heated high flow cannula therapy delivered with CPAP devices in children**
Mirella Gaboli (Sevilla, Spain), Carmen Cabrera Carro, Isabel Delgado Pecellin, María Jose Moreno Valero, Macarena Borrero Rodríguez, Alejandro Palomo Pavón, María Dolores Garrido López-Cepero
- PA2401 Percutaneous endoscopic gastrostomy insertion in neuromuscular disease patients on home mechanical ventilation**
Angela Reddy (London, United Kingdom), Simon Anderson, Lindsay Arrandale, Jason Dunn, Philip Marino, Patrick B. Murphy, Ikram Nasr, Michelle Ramsay, Joerg Steier, Eui-Sik Suh, Huw Thomas, Nicholas Hart, Georgios Kaltsakas
- PA2402 Trigger asynchronies induced by the introduction of external gas into the circuit in non-invasive ventilation: a bench study**
Cristina Lalmolda Puyol (Barcelona, Spain), Roberto Larrosa, Manel Luján, Javier Sayas
- PA2403 High flow nasal cannula in patients not suitable for invasive ventilation – are we missing an opportunity for palliative care?**
Hazel Morrison (Bridgwater (Somerset), United Kingdom), Georgina Mynott, Robin Jones, Rebecca Hall, Jemima Robinson
- PA2404 Non-invasive ventilation as a first-line treatment for malaria patients with pulmonary dysfunction: A feature of respiratory therapy.**
(), Anselmo Costa E Silva, Leonardo Figueiroa, Ana Pascoal, Jurema Real, Ernesto Antonio
- PA2405 High Flow nasal O₂ therapy in high risk patients of hypoxia undergoing diagnostic BRONCHOScopy (HiFOxy-BRONCHO): a prospective, randomized, controlled study**
(), Youlim Kim, Jisoo Park, Eun Sun Kim, Sang Hoon Lee, Yeon Joo Lee, Jong Sun Park, Ho Il Yoon, Jae Ho Lee, Choon-Taek Lee, Young-Jae Cho
- PA2406 Efficacy of mechanical insufflation-exhalation therapy in patients with neuromuscular disease**
Sagrario Mayoralas Alises (Colmenar Viejo (Madrid), Spain), A Castaño, A Hernandez Voth, N Pizarro, C Caneiras, S Díaz-Lobato

- PA2407 UTILITY OF THE HIGH FLOW WITH NASAL CANNULA IN THE DECANULATION OF TRAQUEOTOMIZED PATIENTS DURING AN EPISODE OF ACUTE RESPIRATORY INSUFFICIENCY.**
Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain), Sagrario Mayoralas Alises, Jose Manuel Carratalá Perales, Ana Jaureguizar Oriol, Edwin Mercedes Noboa, Francisco León Román

TP-07

Session 268

12:50 - 14:40

Thematic poster: New methods and concepts in tests of lung and respiratory muscle function

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care

Method(s) : Imaging Respiratory intensive care General respiratory patient care Physiology

Chairs : Christina M. Spengler (Zürich, Switzerland), Luiza Helena Degani-Costa (São Paulo (SP), Brazil), Joaquim Gea Guiral (Barcelona, Spain), Chair to be confirmed

- PA2408 Defining and grading an obstructive ventilatory defect (OVD) in 2018**
Rim Kammoun (Sfax, Tunisia), Amani Sayhi, Ines Ghannouchi, Souhail Slama, Mohamed Moez Ben Sayah, Halima Ben Salem, Mohamed Ben Saad, Mohamed Salah Tlili, Helmi Ben Saad
- PA2409 Dose omission to shorten methacholine challenge testing: clinical consequences and safety of the use of a "10% fall in FEV1" threshold**
Valérie Levesque (Montreal, Canada), Claude Poirier, Bruno-Pierre Dube
- PA2410 Armspan replacing height to reach spirometric reference values**
Nuno Filipe Teixeira China Pereira (Porto, Portugal), Aniel@sapo.Ptdaniel Vaz, Joana Gomes, Inês Ladeira, Ricardo Lima, Miguel Guimarães
- PA2411 What is the proportion of patient with asthma, COPD and ILD who have normal auscultatory lung sounds?**
Neerja Shastri (Pune (Maharashtra), India), Shirikant Pawar , Sundeep Salvi , Yogesh Thorat, Vandana Das
- PA2412 Comparison of GLI 2012 and NHANES III for diagnosing airway obstruction in Vietnamese patients at Ho Chi Minh City**
Tai Tran Quoc (Ho Chi Minh, Vietnam), Lan Le Thi Tuyet
- PA2413 The Usefulness of Forced Oscillation Technique to assess lung functions in Patients with Lysosomal Storage Diseases**
Afaf Alblooshi (Al-Ain, United Arab Emirates), Abdul-Kader Souid, Fatma Al Jasmi, Alison John (alison.john@nottingham.ac.uk / University of Nottingham, Nottingham), Stefan Offermanns (stefan.offermanns@mpi-bn.mpg.de / Max Planck Institute for Heart and Lung Research, Bad Nauheim), Gisli Jenkins (gisli.jenkins@nottingham.ac.uk / University of Nottingham, Nottingham)
- PA2414 Non-invasive measurement of lung inhomogeneity in patients who suffered a primary spontaneous pneumothorax**
Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Nick Smith, Nayia Petousi, Nick Talbot, Grant Ritchie, Najib Rahman, Peter Robbins
- PA2415 Acoustic wave propagation in the tracheobronchial tree in healthy and asthmatic subjects**
Andrea Aliverti (Milan, Italy), Lorenzo Aliboni, Francesca Pennati, Thomas Royston
- PA2416 Assessment of ventilatory mechanics in respiratory muscle weakness using structured light plethysmography**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom), James Stockley, Liam O'Reilly
- PA2417 Validation of breathing frequency algorithms in impedance pneumography**
Carol Smyth (Salford (Lancashire), United Kingdom), John Dickinson, Samantha Winter
- PA2418 Validation study of the AirGo™ device for continuous monitoring of respiratory function**
Andrea Antonelli (Cuneo (CN), Italy), Alessia Stanzi, Federico Mazza, Massimiliano Venturino, Paolo Noceti, Dario Guizzoni, Andrea Aliverti, Giulio Melloni
- PA2419 Baseline FeNO is an independent predictive marker of Exercise-Induced Bronchoconstriction (EIB)**
Matteo Bonini (London, United Kingdom), Jacopo Messina, Simone Petrarulo, Daniel Piamonti, Marcello Di Paolo, Marco Brunori, Paolo Palange, Omar Usmani
- PA2420 Pilot data of the short-term effects of e-cigarette vaping on lung function**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom), James Stockley, Elizabeth Sapey, Simon Gompertz, Ross Edgar
- PA2421 Alterations in oxygen consumption during acute exacerbations of COPD**
Alice Cottee (Sydney (NSW), Australia), Leigh Seccombe, Cindy Thamrin, Gregory King, Matthew Peters, Claude Farah

- PA2422** **Effect of inhaled vaporized cannabis on dynamic airway function, breathlessness and exercise intolerance in adults with advanced COPD: A randomized controlled trial**
Sara Abdallah (Montréal (QC), Canada), Benjamin Smith, Mark Ware, Michelle Moore, Pei Zhi Li, Jean Bourbeau, Dennis Jensen
- PA2423** **Changes in lung function in a rodent model of diabetes mellitus**
Roberta Südy (Szeged, Hungary), Álmos Schranc, Bence Ballók, Jozsef Tolnai, Barna Babik, Ferenc Peták
- PA2424** **Impact of natural sleep, sedation and hypercapnia on physiological ventilation variability: an experimental study**
André dos Santos Rocha (Genève, Switzerland), Gergely H Fodor, Sam Bayat, Walid Habre
- PA2425** **The effects of variable ventilation patterns in an animal model of ARDS**
Gergely H. Fodor (Genève, Switzerland), Andre Dos Santos Rocha, Gergely Albu, Ferenc Petak, Sam Bayat, Walid Habre
- PA2426** **Chest wall and pulmonary contributions to the total respiratory airway and tissue mechanics in rats: effects of altered lung volume**
Ferenc Peták (Szeged, Hungary), Roberta Südy, Álmos Schranc, Bence Ballók, Barna Babik, József Tolnai
- PA2427** **Assessment of shape factors and dead space indices by volumetric capnography in rats**
József Tolnai (Szeged, Hungary), Roberta Südy, Barna Babik, Ferenc Peták

TP-08

Session 269

12:50 - 14:40

Thematic poster: The value of lung function testing in various pathophysiological conditions

Disease(s) : Airway diseases Respiratory infections Thoracic oncology Sleep and breathing disorders Pulmonary vascular diseases
Respiratory infections

Method(s) : Transplantation General respiratory patient care Imaging Physiology

Chairs : Maurice Hayot (Montpellier Cedex 5, France), Vasileios Andrianopoulos (Schönau am Königssee, Germany), Georgios Kaltsakas (Athens, Greece), Roberto A. Rabinovich (Edinburgh (Scotland), United Kingdom)

- PA2429** **Detection of late post stem cell transplantation lung function deterioration using simple spirometry.**
Eyal Fuchs (Haifa, Israel), Emilia Hardak
- PA2430** **Lung clearance index (LCI) as a sensitive marker of post-transplant bronchiolitis obliterans syndrome (BOS)**
Madeleine Driskel (Manchester, United Kingdom), Alexander Horsley, Mohamed Al-Aloul
- PA2431** **Pulmonary function and physical capacity in children with congenital heart disease**
Roberto Acosta-Dighero (Santiago, Chile), Rodrigo Torres-Castro, Iván Rodríguez-Núñez, Mercedes Guevara, Bernardita Lopetegui
- PA2432** **Respiratory and Motor Phenotypes and Correlations with Diaphragm Function in Patients with Late-Onset Pompe Disease (LOPD)**
Andrea Da Nobrega Cirino Nogueira (Fortaleza (CE), Brazil), Liégina Silveira Marinho, Renata Dos Santos Vasconcelos, Suzy Maria Montenegro Ponte, Nancy Delma Silva Vega Canjura Sousa, Juliete Vaz Ferreira, Patrícia Carvalho Bezerra, Miguel Angelo Nobre E Sousa, Marcelo Alcantara Holanda
- PA2433** **Prognostic value of lung membrane conductance in sickle cell disease**
Antoine Beurnier (Nantes, France), Julie Graveleau, Thierry Le Tourneau, Agathe Masseau, Bruno Degano, Bérangère Ricolleau, François-Xavier Blanc, Arnaud Chambellan
- PA2434** **Mepolizumab improves small airway function in severe eosinophilic asthma**
Leigh Seccombe (Sydney (NSW), Australia), Peter Rogers, Nicola Reed, Tanya Badal, Cindy Thamrin, Greg King, Matthew Peters, Claude Farah
- PA2435** **A new score to identify patients who need fitness to fly test**
Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Akhil Sawant, Sue Watts, Mark Townson, Paul Whitaker, Ian Clifton, Tim Sutherland, Mark Elliott, Daniel Peckham
- PA2436** **Can baseline lung function and arterial oxygenation predict air travel hypoxaemia in respiratory patients?**
Ana Lutas (Lisboa, Portugal), Mónica Marques Grafino, Filipa Todo Bom, Maria Margarida Felizardo, Richard Staats, Marco Pereira, Teresa Pequito, Ana Ladeira, Joao Valenca, Sofia Furtado
- PA2437** **The respiratory physiome: clustering based on a comprehensive lung function assessment in patients with COPD**
Ingrid Augustin (Horn, Netherlands), Martijn A. Spruit, Sarah Houben-Wilke, Frits Franssen, Lowie Vanfleteren, Swetlana Gaffron, Daisy Janssen, Emiel Wouters

- PA2438** **PREVALENCE OF ABNORMAL SPIROMETRIC RESULTS AMONG TEENAGERS: RESULTS FROM LUNG DEVELOPMENT PROJECT OF THE UNIVERSITY OF GRANADA**
Pedro José Romero Palacios (Granada, Spain), Oliverio Ruiz Rodriguez, Alba Mateos Romero, Antonio Dueñas Ruiz, Elvira Ruiz Castellano, Bernardino Alcazar Navarrete
- PA2439** **The effect of 1-week treatment with permitted inhalation or prohibited oral doses of salbutamol on repeated sprint ability in healthy well-trained men and women**
Kasper Eibye (København N, Denmark), Kasper Bengtsen, Søren Jessen, Vibeke Backer, Glenn Jacobson, Morten Hostrup
- PA2440** **Influence of an ultraendurance event on lung health**
Courtney M. Wheatley (Scottsdale, United States of America), Glenn Stewart, Caitlin Fermoye, Briana Ziegler, Bruce Johnson
- PA2441** **Influence of ultra-endurance exercise on alveolar-capillary recruitment and lung diffusion**
Glenn Stewart (Rochester, United States of America), Caitlin Fermoye, Courtney Wheatley, Briana Ziegler, Bruce Johnson
- PA2442** **Prevalence of Late-Onset Pompe Disease in Portuguese Patients with Diaphragmatic Paralysis: The DIPPER Study**
Maria José Araújo Cunha Guimarães (Palmeira – Stº Tirso, Portugal), João Winck, Bebiana Conde, Alexandra Mineiro, Margarida Raposo, Joaquim Moita
- PA2443** **Comparison of mobility, shortening velocity and diaphragmatic thickness between pre-term and term infant: a pilot study**
Daniella Brandao (Recife (PE), Brazil), Fernanda Silva, Helga De Souza, Rayane Nunes, Paulo Magalhaes, Leticia Melo, Armêle Dornelas De Andrade, Cyda Reinaux
- PA2444** **Lung synchrony in different body positions in unilateral diaphragm paralysis**
Mayra Caleffi Pereira (Campinas, Brazil), Vinicius Iamonti, Jeferson Ferreira, Natália Lima, Flavia Badaro, Pedro Caruso, Carlos Carvalho, André Albuquerque
- PA2445** **The effect of the abdominal wall on the diaphragmatic mobility and respiratory function in young healthy subjects**
Monize Karla Alves Aquino (São Paulo, Brazil), Caroline Gomes Mól, Catherine Cely Oliveira, Renato Batista Reis, Clarice Tanaka
- PA2446** **Diaphragm in the role of esophageal sphincter and possibilities of treatment of esophageal reflux disease using physiotherapeutic procedures**
Petr Bitnar (Kladno, Czech Republic), Štěpán Hlava, Jan Štoviček, Alena Kobesová
- PA2447** **Thermodynamic analysis of human respiratory (diaphragm) skeletal muscles**
Jale Çatak (İstanbul, Turkey), Mustafa Ozilgen, Bayram Yilmaz

TP-09

Session 270

12:50 - 14:40

Thematic poster: **Cardiopulmonary exercise testing in COPD and cardiovascular diseases**

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Public health General respiratory patient care Physiology

Chairs : Sébastien Baillieux (GRENOBLE CEDEX 9, France), Danilo Cortozzi Berton (Porto Alegre (RS), Brazil), Zafeiris Louvaris (Leuven, Belgium), Alain Varray (Montpellier, France)

- PA2448** **Exercise tolerance and balance of inspiratory-to-expiratory muscle strength in relation to breathing timing in chronic obstructive pulmonary disease**
Keisuke Miki (Toyonaka, Japan), Kazuyuki Tsujino, Ryuya Eda, Seigo Kitada, Mari Miki, Kenji Yoshimura, Hiroyuki Kagawa, Yohei Oshitani, Yuko Ohara, Yuki Hosono, Hiroyuki Kurebe, Ryoji Maekura
- PA2449** **Endothelial microparticles as markers of exercise capacity in chronic obstructive pulmonary disease (COPD)**
Dario Neri (Pisa (PI), Italy), Marta Daniele, Tommaso Neri, Maria Adelaide Roggi, Sabrina Santerini, Barbara Vagaggini, Carmela Morizzo, Carlo Palombo, Pierluigi Paggiaro, Alessandro Celi
- PA2450** **Physiological and perceptual responses to exercise according to the locus of symptom limitation in patients with COPD**
Lauren Tracey (Montreal, Canada), Dennis Jensen
- PA2451** **Correlation of a modified shuttle walk with six-minute walk test in COPD patients**
Rishi Gopalakrishnan (Thrissur (Kerala), India), Rupak Singla
- PA2452** **Oxygen desaturation-resaturation and heart rate change patterns during 6-min walk test in patients with mild to severe interstitial pneumonia**
Takeshi Inagaki (Chiba, Japan), Jiro Terada, Musuzu Yahaba, Naoko Kawata, Mitsuhiro Abe, Kenji Tsushima, Koichiro Tatsumi

- PA2453 The disease phenotype affects exercise capacity in COPD**
Rocco Francesco Rinaldo (Milano (MI), Italy), Beatrice Vigo, Sofia Comandini, Alessandra Masseroni, Stefano Centanni, Fabiano Di Marco
- PA2454 Any role for cardiopulmonary exercise test in symptomatic smokers with borderline spirometry?**
Rocco Francesco Rinaldo (Milano (MI), Italy), Pierfrancesco Longo, Fulvia Ribolla, Silvia Ruggeri, Job Sara, Stefano Centanni, Fabiano Di Marco
- PA2455 Exercise performance in lowlanders with COPD travelling to 2048m**
Tobias Kuehne (St. Gallen, Switzerland), Michael Furian, Tsogyal D Latshang, Sayaka S Aeschbacher, Fabienne Huber, Deborah Flueck, Elisabeth Domenica Hasler, Stefanie Ulrich, Philipp M Scheiwiller, Silvia Ulrich, Konrad Ernst Bloch
- PA2456 COPD-Left ventricular diastolic dysfunction overlap and ventilatory inefficiency**
Tiago Rodrigues De Lemos Augusto (Campo Grande, Brazil), Karina Utida, Paulo Muller, Ana Cristina Wanderley Xavier
- PA2457 To study the validity, reliability and acceptability of an audio signal modified shuttle walk test in COPD patients**
Abhishek Faye (Bhandara (Maharashtra), India), Rupak Singla, Richa Rai, Anil Jain, Ranadip Chowdhury, Vikas Kumar, Shweta Anand
- PA2458 Exercise related desaturation in patients with COPD is a reproducible phenomenon and important phenotypic marker**
Roman Kalinov (Krumovo, Bulgaria), Blagoi Marinov, Dimitrina Stoianova, Nonka Mateva, Vladimir Hodgev, Stefan Kostianev
- PA2459 Exercise related desaturation (6MWT) in patients with COPD – Is it predictable?**
Roman Kalinov (Krumovo, Bulgaria), Blagoi Marinov, Dimitrina Stoianova, Nonka Mateva, Vladimir Hodgev, Stefan Kostianev
- PA2460 Dynamic hyperinflation: can it be the key mechanism for exercise intolerance?**
Ana Lutas (Lisboa, Portugal), Susana Clemente, Andreia Isidoro, Sara Dordio, Teresa Pequito, Marco Pereira, Sofia Furtado
- PA2461 Quality of life and exercise intolerance in overlapping COPD-heart failure**
A.S. Soares (Sao Paulo, Brazil), R. Lima, F.F. Arbex, M.C. Alencar, M.F. Oliveira, W.M. Medeiros, L.E. Nery, J.A. Neder, Priscila Sperandio
- PA2462 The association between lung function and peak oxygen uptake in coronary artery disease**
Øystein Rasch-Halvorsen (Trondheim, Norway), Erlend Hassel, Ben M Brumpton, Haldor Jenssen, Martijn A Spruit, Arnulf Langhammer, Sigurd Steinshamm
- PA2463 Incremental step test in patients with pulmonary hypertension**
Elaine Vieira (Sao Caetano do Sul (SP), Brazil), Roberta Ramos, Ivan Ivanaga, João Rolim, Angelo Fonseca, José Rodrigues Júnior, Eloara Ferreira, Simone Dal Corso, Luiz Eduardo Nery, Jaqueline Ota-Arakaki
- PA2464 Clinical value of an abnormal increase of O2 pulse during early recovery from maximal exercise in patients with chronic thromboembolic pulmonary hypertension**
Camila Melo Coelho Loureiro (Salvador (BA), Brazil), Jaqueline Sonoe Ota-Arakaki, Andrei Augusto Assis De Campos Cordeiro, Eloara V M Ferreira, Angelo Xerez Cepeda, Rudolf K F Oliveira, Carolina Montemór Soares Messina, Elaine Brito Vieira, Luiz Eduardo Nery, Roberta Pulcheri Ramos
- PA2465 Voluntary exercise increases survival and exercise capacity in a monocrotaline-induced pulmonary hypertension in rats**
(), Monica Irani Gouveia, Leoncio Lopes Soares, Filipe Rios Drummond, Meilene Ribeiro Fidelis, Alexandre Jayme Lopes Dantas Costa, Leonardo Mateus Teixeira Rezende, Anselmo Gomes De Moura, Antonio Jose Natali
- PA2466 Expiratory stenosis breathing – a novel model of dynamic hyperinflation**
Matthias Urban (Wien, Austria), Anna Katharina Mayr, Ingrid Schmidt, Otto Chris Burghuber, Georg-Christian Funk
- PA2467 Characteristics associated with physical activity in non-severe chronic obstructive pulmonary disease**
Marise Kasteleyn (Leiden, Netherlands), Amanda R. van Buul, Raoul G.A.J.M. Helmes, Tobias N. Bonten, Renée De Mutsert, Pieter S. Hiemstra, Saskia Le Cessie, Frits R. Rosendaal, Niels H. Chavannes, Christian Taube

TP-10

Session 271

12:50 - 14:40

Thematic poster: New methods and concepts in exercise testing

Disease(s) : Interstitial lung diseases Airway diseases Respiratory infections Sleep and breathing disorders Pulmonary vascular diseases Respiratory critical care Respiratory infections

Method(s) : Imaging Public health Epidemiology General respiratory patient care Respiratory intensive care Physiology

Chairs : Frédéric Costes (Saint-Etienne, France), Asterios Kampouras (Thessaloniki, Greece), J. Alberto Neder (Kingston (ON), Canada), Elizabeth Smith (Wythenshawe (Manchester), United Kingdom)

- PA2468** **Late Breaking Abstract - Regional lung heterogeneity during mechanical ventilation and gene expression in endotoxemia**
Seiha Yen (Hobart (TAS), Australia), Melissa Preissner, Ellen Bennett, Andreas Fouras, Peter Dargaville, Graeme Zosky
-
- PA2469** **Late Breaking Abstract - The effectiveness of electrical impedance spirometry in heart insufficiency diagnostics in COPD patients**
Vitaly Mishlanov (Perm, Russian Federation), Andrew Zuev, Ekaterina Koshurnikova
-
- PA2470** **Late Breaking Abstract - Conversion of FENO: from different flows to the standard flow.**
Paul Lassmann-Klee (Helsinki, Finland), Lauri Lehtimäki, Tuula Lindholm, Pekka Malmberg, Anssi Sovijärvi, Päivi Piirilä
-
- PA2471** **6-minute walk test with headphones**
Rita Boaventura (Porto, Portugal), Leonor Almeida, Francisco Machado, Ermelinda Moreira, Pedro Amorim, Ana Pimentel, Joana Chaves Pipa, Andreia Neves, Patrícia Teles, Natália Martins, Marta Drummond
-
- PA2472** **Sensitivity and specificity of Wasserman's cardio-pulmonary exercise test protocol in comparison with physician diagnosis after three-month followup**
Mehrnaz Asadi Gharabaghi (Tehran, Islamic Republic of Iran), Hamidreza Abtahi, Samira Kaffan, Shirin Izadi, Besharat Rahimi, Shahrokh Izadi
-
- PA2473** **Cardiopulmonary exercise testing (CPET) patient survey**
Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom), Pippa Powell, Ioannis Vogiatzis, Dimitris Kontopidis, Helge Hebestreit
-
- PA2474** **Flattening of pulse oxygen during cardiopulmonary exercise testing (CPET) and associated factors in non-cardiopathic adults: cross-sectional results from the EPIMOV study**
Victor Dourado (Santos (SP), Brazil), Vitor Almeida, Flavio Almeida, Evandro Sperandio, Marcello Romiti, Antonio Gagliardi, Rodolfo Arantes
-
- PA2475** **Reference equation for the six-minute walk distance of healthy Nigerian school-aged children**
Peter Odion Ubuane (Lagos, Nigeria), Barakat Adeola Animasahun, Olufunke A Ajiboye, Olugbemiga Mogbafolu Kayode-Awe, Ayodeji Olusola Akinola, Omotola Adeleye Ajayi, Gbenga Folarin Akinyosoye, Chidimma Imma Ohagwu, Fidelis Olisamedua Njokanma
-
- PA2476** **Cross-site external biological control (BioQC) in cardiopulmonary exercise testing (CPET) equipment.**
Courtney Dos Santos (London, United Kingdom)
-
- PA2477** **Effects of intravenous iron on hypoxic pulmonary vasoconstriction and maximal exercise capacity during sustained (8 h) hypoxia in healthy volunteers.**
Nick Talbot (Oxford (Oxfordshire), United Kingdom), Hung-Yuan Cheng, Thomas Smith, Keith Dorrington, Peter Robbins
-
- PA2478** **Establishing normal laryngeal resistance measurements for the Continuous Laryngoscopy Exercise (CLE)-Test.**
Zoe Fretheim-Kelly (oslo, Norway), Ola Røksund, John-Helge Heimdal, Hege Clemm, Marie Vollsæter, Thomas Halvorsen
-
- PA2479** **Exercise fear-avoidance beliefs and self-reported physical activity in young adults with asthma and healthy controls**
Thomas Janssens (Leuven, Belgium), Lieven Dupont, Andreas Von Leupoldt
-
- PA2480** **Value of cardiopulmonary exercise testing in interstitial lung diseases**
Gonçalo António Cintrão Samouco (Aguilva-Cacém, Portugal), Rebeca Natal, João Costa, Andreia Filipa Carriço, Ana Filipa Fernandes, Luis Vaz Rodrigues
-
- PA2481** **Evaluation of exercise capacity and mechanisms of limitation during cardiopulmonary exercise testing (CPET) in patients with chronic hypersensitivity pneumonitis**
Olívia Meira Dias (São Paulo (SP), Brazil), Bruno Baldi, Jeferson Pereira, Leticia Cadenas, Francesca Pennati, Caterina Salito, Carlos Carvalho, Andrea Aliverti, André Albuquerque
-
- PA2482** **The relationship between measured and estimated oxygen uptake in patients with pulmonary tuberculosis**
Mikhail Chushkin (Moscow, Russian Federation), Natalia Karpina, Lydia Popova, Oleg Ots, Olga Nenasheva, Petr Struchkov
-
- PA2483** **Evaluation of the sub-maximal aerobic capacity of patients with rheumatoid arthritis (RA): preliminary data**
Helmi Ben Saad (Sousse, Tunisia), Safaa Belghali, Sadok Lataoui, Fatma Guezguez, Khadija Baccouche, Raja Elamri, HéLa Zeglaoui, Elyes Bouajina

- PA2484 Borg dyspnea scale and 6 Minute Walk Test could be useful tools for assessing respiratory involvement in systemic lupus erythematosus**
Mariana Cebanu (Chisinau, Republic of Moldova), Victoria Sadovici-Bobeica, Virginia Salaru, Maria Garabajiu, Gheorghie Ciobanu
- PA2485 Is it possible to perform cardiopulmonary exercise test in laryngectomized patients?**
Danielle Cristine Campos Bedin (São Paulo (SP), Brazil), Roberta Pulcheri Ramos, Elaine Brito Vieira, Sonia Maria Faresin, Luiz Eduardo Nery
- PA2486 Impact of diastolic dysfunction on exercise capacity in patients with liver cirrhosis**
Teresa Sassmann (Graz, Austria), Gabor Kovacs, Rudolf Stauber, Fabio Revelant, Vasile Foris, Susanne Pfeiffer, Fabian Gruber, Vanessa Stadlbauer, Daniela Kniepeiss, Gernot Zollner, Peter Fickert, Alexander Avian, Andrea Olschewski, Horst Olschewski, Philipp Douschan
- PA2487 The impact of dyspnea catastrophizing on the neural processing of respiratory sensations in patients with COPD.**
Thomas Reijnders (Heverlee, Belgium), Thierry Troosters, Wim Janssens, Rik Gosselink, Daniel Langer, Paul Davenport, Andreas Von Leupoldt

TP-11

Session 272

12:50 - 14:40

Thematic poster: From continuous positive airway pressure (CPAP) and adherence to CPAP to asthma-COPD overlap syndrome (ACOS)

Disease(s) : **Sleep and breathing disorders** **Airway diseases**

Method(s) : Imaging Public health Respiratory intensive care Physiology General respiratory patient care

Chairs : Walter McNicholas (Dublin, Ireland), Stefan-Marian Frent (Arad, Romania), Andreja Sajnic (Zagreb, Croatia), Johan Verbraecken (Edegem (Antwerp), Belgium)

- PA2488 Influence of anxious depressive disorder in the treatment of Sleep Apnea Hypopnea Syndrome**
Virginia Almadana Pacheco (Sevilla, Spain), SINDY CEDENO DE JESUS, Jesús Sánchez Gómez, Agustin Valido Morales, Jose Maria Benitez Moya
- PA2489 MARITAL QUALITY, PARTNERS ENGAGEMENT AND CONTINUOUS POSITIVE AIRWAY PRESSURE ADHERENCE IN OBSTRUCTIVE SLEEP APNEA**
Thibaut Gentina (Marcq-En-Baroeul, France), Sebastien Bailly, Francois Jounieaux, Francois Codron, Catherine Lamblin, Christophe Verkindre, Pierre Marie Broussier, Dominique Guffroy, Arnaud Prigent, Jean Jacques Gres, Laurent Kedziora, Jamal Kabbani, Bernard Douay, Renaud Tamisier, Elodie Gentina, Jean Louis Pepin
- PA2490 Erratic adherence to continuous positive airway pressure for obstructive sleep apnea**
Daniel López-Padilla (Madrid, Spain), Milagros Llanos Flores, Virginia Gallo González, Zichen Ji, José Terán Tinedo, Elena R. Jimeno, Soledad López Martín, Elena Ojeda Castillejo, Luis Puente Maestu
- PA2491 Assessing an auto set trial period for obstructive sleep apnoea patients**
Joe Topham (Nottingham (Nottinghamshire), United Kingdom), Laura Watson, Linda Johnson, Peter Smith
- PA2492 Mild OSAS: Is CPAP therapy actually required for these patients?**
Sameer Bansal (Navi Mumbai (Maharashtra), India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi
- PA2493 Prevalence of co-morbidities and clinical features in patients with obstructive sleep apnea and chronic obstructive pulmonary disease.**
Lucia Spicuzza (Sant'Agata Li Battiati (CT), Italy), Emilio Frasca, Giacomo Doria, Giulia Cacopardo, Claudia Crimi, Raffaele Campisi, Nunzio Crimi, Giuseppe Di Maria
- PA2494 Prevalence of overlap of COPD and OSAS in a Pulmonary Rehabilitation Centre**
Annia Fleur Schreiber (Torino (TO), Italy), Francesca Cemmi, Cinzia Lastoria, Piero Ceriana, Antonella Balestrino, Annalisa Carlucci
- PA2495 Asthma and Obstructive Sleep Apnea Syndrome (OSAS)**
Feryel Chaouki (Batna, Algeria), Abdelmajid Djebbar
- PA2496 Overlap syndrome "asthma and obstructive sleep apnea" in obese patients**
Ferdaous Yangui (Tunis, Tunisia), Sarra Ammari, Hana Mrassi, Imen Kharrat, Maher Abouda, Mohamed Ridha Charfi
- PA2497 Prevalence of obstructive sleep apnea in asthmatic school-aged children**
Hanaa Shafiek (Alexandria, Egypt), Noha Fawzy, Mahmoud Ibrahim Mahmoud
- PA2498 OSA phenotypes in asthma and COPD**
Anshu Priya (New Delhi (Delhi), India), Nitin Goel, Raj Kumar

- PA2499 One airway one disease from a different perspective – eyes cant see what the mind doesn't know**
Firoz A Hakkim (Trivandrum (Kerala), India), Rajesh V, Giridhar B.H, Nandhakisore Baikunje
-
- PA2500 IMPACT OF COMORBIDITY ON SLEEP QUALITY IN COPD PATIENTS EVALUATED WITH THE PITTSBURGH SLEEP QUALITY INDEX (PSQI)**
Julia Sampol Sirvent (Barcelona, Spain), Patricia Lloberes Canadell, Odile Romero Santo Tomás, Beatriz Valeiro González, Marc Miravittles Fernández, Gabriel Sampol Rubio, Jaume Ferrer Sancho
-
- PA2501 Is OSA an important risk factor for metabolic dysregulation in obese COPD patients**
Silke Anna Theresa Weber (Botucatu (SP), Brazil), Flavio Danilo Pissulin, Ricardo Beneti, Francis Lopes Pacagnelli
-
- PA2502 Assessment of 10-year risk for cardiovascular disease in patients with overlap syndrome**
Athanasios Voulgaris (Alexandroupolis, Greece), Kostas Archontogeorgis, Evangelia Nena, Maria Xanthoudaki, Paschalis Ntoliou, Toulon Mouemin, Konstantina Chadia, Nikoletta Paxinou, Konstantinos Kaltsas, Marios Froudarakis, Paschalis Steiropoulos
-
- PA2503 Mean platelet volume and platelet distribution width in patients with obstructive sleep apnea syndrome and chronic obstructive pulmonary disease (overlap syndrome)**
Athanasios Voulgaris (Alexandroupolis, Greece), Kostas Archontogeorgis, Evangelia Nena, Maria Xanthoudaki, Paschalis Ntoliou, Maria Kouratzi, Stavros Anevlavis, Marios Froudarakis, Paschalis Steiropoulos
-
- PA2504 Retinal vascular tortuosity in patients with obstructive sleep apnea-chronic obstructive pulmonary disease overlap syndrome**
Maha Yousif (Menoufia Gavornorate, Egypt), Rabab El- Wahsh, Asmaa Ibrahim
-
- PA2505 Role of intermittent or continuous hypoxia in systemic inflammation measured by echography**
Carmen Maria Acosta Gutierrez (Madrid , Spain), Pedro Landete Rodriguez, Beatriz Aldave Orzaiz, Marta Hernandez Olivo, Maria Gonzalez Gonzalez, Ana Sanchez Azofra , Agueda Gonzalez Rodriguez, Enrique Zamora Garcia, Jose Manuel Muñoz Olmedo, Alfonsi Frieria Reyes, Joan B Soriano, Carmelo Garcia Monzon, Julio Ancochea Bermudez
-
- PA2506 Case series: efficacy and usefulness of double bronchodilation in patients with Overlap syndrome (OSAS and COPD).**
Albino Petrone (Cosenza (CS), Italy), Filippo Luca Fimognari, Michela Quartieri, Flaminio Mormile, Leonello Fuso, Ludovico Petrone, Francesco Romano

TP-12

Session 273

12:50 - 14:40

Thematic poster: **Diagnostics including questionnaires**Disease(s) : **Sleep and breathing disorders**

Method(s) : Surgery Epidemiology Physiology General respiratory patient care Public health

Chairs : Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Simon Dominik Herkenrath (Köln, Germany), Sophia E. Schiza (Heraklion, Greece), Ingo Fietze (Berlin, Germany)

- PA2507 ONE SIZE DOES NOT FIT ALL: SCREENING SCORES AND POLYSOMNOGRAPHY PROFILES OF TWO ETHNICALLY VARIED POPULATIONS**
Ravi Chandra Malapaka (Bangalore (Karnataka), India), Murali Mohan, Archita Joshi Bhatt, Deepesh Vaidya, V M Annapandian
-
- PA2508 Correlation between diurnal symptoms (Excessive Daytime Sleepiness) and nocturnal symptoms (Nocturia) in patients with Obstructive Sleep Apnoea**
Teresa Diaz De Teran Lopez (Santander, Spain), Kimberley Lee, Sandra Tello Mena, Fabiola Escobar Ramirez, Marta Cabello Najera, Carlos Queipo Corona, Marian Martinez Martinez, María Martin Garcia, Olga Cantalejo Martin, Felix De Carlos Villafranca, Emilio Macias Escalada, Pedro Muñoz Cacho, Monica Gonzalez Martinez
-
- PA2509 Respiratory events during stable wake in sleep apnea patients: occurrence and mechanism.**
Pierre J. Escourrou (Clamart CEDEX, France), Marie Brandewinder, Christian Berthomier, Pierre Berthomier, Guillaume Baffet, Zouheir Balekji, Nathalie Puisais, Gabriel Roisman
-
- PA2510 Multifactorial determinants of sleepiness and missing accident at wheel in OSA patients**
Francesco Fanfulla (Pavia (PV), Italy), Elisa Morrone, Irene Risi, Nadia D'Artavilla Lupo, Aleksandar Prpa, Rossella Trentin, Caterina Pronzato
-
- PA2511 Self Reported Sleepiness At The Wheel Versus Apnea Hypopnea Index To Predict Sleep Related Accidental Risk Of Patients Suspected Obstructive Sleep Apnea Syndrome**
Pierre Philip (Bordeaux, France), Sebastien Bailly, Meriem Benmerad, Jean-Arthur Micoulaud-Franchi, Yves Grillet, Marc Sapene, Renaud Tamisier, Jean-Louis Pepin
-
- PA2512 Recognizing patients with sleepapnoea in primary care; a major challenge**
Elske Luiten (Enschede, Netherlands), Bart Dikkeboer, Marjolein Brusse-Keizer, Michiel Eijsvogel

- PA2513 Comparison of three clinical screening questionnaires for Sleep Apnea Syndrome (SAS) in Primary Care (PC)**
Patricia Peñacoba (Barcelona, Spain), M^a Antonia Llauger, Rosa M^a Miralda, Leandra Domínguez, Ana M^a Fortuna, Anna M^a Pedro, Pepi Valverde, Jose Ignacio Aoiz, Joan Bayó, Núria Argemí, Casimira Medrano, Marineus Puig, Joan Juvanteny, Montserrat Reverté, Xavier Flor, M^a Angeles Santos, M^a Del Mar Fraga, Carme Santiveri, Gabriel Sampol, Patricia Lloberes, Núria Grau, Vicente Plaza, Mercè Mayos
-
- PA2514 Comparison of three questionnaires for screening obstructive sleep apnea syndrome**
Hana BLIBECH (Tunis, Tunisia), Ferdaous Yangui, Imen Kharrat, Hana Mrassi, Maher Abouda, Mohamed Ridha Charfi
-
- PA2515 Sleep apnea screening questionnaires in patients with type 2 diabetes.**
Athanasia Pataka (Thessaloniki, Greece), Seraphim Kotoulas, George Kalamaras, Evangelia Panagiotidou, Vaggelis Chatzopoulos, Katalin Fekete, Paraskevi Argyropoulou
-
- PA2516 Comparison of different questionnaires to identify risk for obstructive sleep apnea in Indian population**
Mani Tiwari (Allahabad (Uttar Pradesh), India), Raj Kumar
-
- PA2517 DES-OSA PLUS- a validation study and improvement of the score**
Isaac Shpirer (Rehovot, Israel), Reudor Grinberg, Ben Fox
-
- PA2518 External validation of a model predicting the risk of adult obstructive sleep apnea**
Moussa Riachy (Beyrouth, Lebanon), Fadi Farah, Romy Younan, Ihab Ibrahim, Georges Juvelikian
-
- PA2519 Development and validation of a screening algorithm for perioperative risk of complications in patients suspected with OSA.**
Vladimir Macavei (London, United Kingdom), Adil Hasnain, Dan King, Otto Mohr, Jelka Mitic, Terry O'Shaughnessy
-
- PA2520 Evaluation of the pretest probability of severe OSA in a bariatric population**
Gabriel Roisman (Clamart, France), Michel Petitjean, Denis Chemla, Claire Colas Des Francs
-
- PA2521 Obstructive sleep apnea and levels of physical activity and its association with elevated cardiovascular risk in Chilean adults**
Juan Carrillo Azocar (Santiago, Chile), Sandra Mahecha-Matsudo, Guillermo Droppelmann, Maria Belen Fernandez, Fernando Yanez, Patricia Fernandez, Ariel Cisternas
-
- PA2522 Obstructive Sleep Apnea severity and lung function**
Maria Alvarenga Santos (Lisboa, Portugal), Margarida Aguiar, Vânia Sacramento, Sílvia Rodrigues, Sofia Furtado
-
- PA2523 Spirometric alterations in patients studied for suspected sleep-disordered breathing**
Maria Del Carmen Fernandez Criado (Sevilla, Spain), Antonio Javier Cruz Medina, Cristina Carrasco Carrasco, Javier Díez Sierra, Francisco Campos Rodriguez
-
- PA2524 The effect of unilateral forced nostril breathing on sleep physiology**
Elif Yilmazel Uçar (Erzurum, Turkey), Deniz Ozturk, Omer Araz, Metin Akgun
-
- PA2525 Suprasternal pressure recording and respiratory inductance plethysmography for respiratory effort evaluation in patients with sleep-disordered breathing**
Martin Glos (Berlin, Germany), Abdelkebir Sabil, Katharina Jelavic, Christoph Schöbel, Ingo Fietze, Thomas Penzel
-
- PA2526 Diagnosing sleep disorders: a continued argument for overnight oximetry**
Javed Ibrahim (Walsall (West Midlands), United Kingdom), A Ali, Z Khan, M Radzali, A Makan, E Crawford, N Ahmad, K Srinivasan, H Moudgil

TP-13

Session 274

12:50 - 14:40

Thematic poster: Sleep-disordered breathing: biomarkers and genetics and the role of hypoxia, insomnia, movement disorders and sleep quality

Disease(s) : [Sleep and breathing disorders](#) [Respiratory critical care](#)

Method(s) : General respiratory patient care Epidemiology Public health Endoscopy and interventional pulmonology Cell and molecular biology Physiology Respiratory intensive care

Chairs : Swapna Mandal (London, United Kingdom), Petar Chipev (Sofia, Bulgaria), Thomas Penzel (Berlin, Germany), Chair to be confirmed

- PA2527 Late Breaking Abstract - Single variable non-anthropometric based continuous positive airway pressure predictive equation**
Marwa Omar (Mansoura, Egypt), Ahmed Younis, Mohsen Elshafey, Aida M. Yousef

- PA2528 Late Breaking Abstract - How to Provide Optimal Depth of Sedation for DISE: Simultaneous Monitorization of EEG and BIS**
Mehmet Ali Babademez (Ankara, Turkey), Gökhan Yalçın, Mustafa Aksoy, Saliha Kuşoğlu Atalay, Kemal Caner Delioğlu, Ayça Tuba Dumanlı Özcan, Hayati Kale
- PA2529 Late Breaking Abstract - Pilot study for a new diagnostic supply process for patients with sleep related breathing disorders**
Katharina Lederer (Berlin, Germany), Sandra Zimmermann, Maria Haustein, Vivienne Gourdon, Bodo Weller, Martin Glos, Maria Maass, Ingo Fietze, Thomas Penzel
- PA2530 Interleukin-10 affects the control of breathing.**
Charoula Eleni Giannakopoulou (Athens, Greece), Adamantia Sotiriou, Maria Dettoraki, Michael Yang, Fotis Perlikos, Dimitrios Toumpanakis, Georgios Prezerakos, Ioannis Koutsourelakis, Georgios Kastis, Vyronia Vassilakopoulou, Eleftheria Mizi, John J Greer, Theodoros Vassilakopoulos
- PA2531 Chronic Intermittent Hypoxia effects are not mediated by guinea pig carotid body sensitization**
Angela Gomez-Niño (Valladolid, Spain), Inmaculada Docio, Elena Olea, Jesus Prieto-Lloret, Ana Obeso, Asuncion Rocher
- PA2532 The role of inflammatory biomarkers in obstructive sleep apnea syndrome**
Süreyya Yılmaz (Diyarbakir, Turkey), Hadice Selimoglu Sen, Mahsuk Taylan, Melike Demir, Fusun Topcu, Abdurrahman Senyigit, Gokhan Kirbas
- PA2533 Oxidative stress in obstructive sleep apnea: Value of fractional exhaled nitric oxide measurement**
Samira Aouadi (Ariana, Tunisia), Selma Mkaddem, Khadija Ayed, Imen Sahnoun, Sonia Maalej, Saloua Jameledine, Leila Douik-Elgharbi
- PA2534 Exhaled Breath Analysis for the Diagnosis of Obstructive Sleep Apnea**
Timon M. Fabius (Enschede, Netherlands), Rianne De Vries, Marjolein Brusse-Keizer, Michiel M. M. Eijsvogel, Frans H. C. De Jongh
- PA2535 Urinary biomarkers for obstructive sleep apnea syndrome: Lipocalin type prostaglandin-D synthase and F2-isoprostane**
Murat Türk (Soest, Netherlands), Oğuz Köktürk, Zeynep Işıkdoğan, Canan Demirtaş
- PA2536 The role of P-selectin glycoprotein ligand-1 (PSGL-1) in the pathogenesis of obstructive sleep apnea**
Péter Horváth (Budapest, Hungary), Zsófia Lázár, Martina Mészáros, Gabriella Gálffy, Rita Puskás, György Losonczy, László Kunos, András Bikov
- PA2537 Peripheral blood lymphocyte repertoire in non-obese patients with Obstructive Sleep Apnea.**
Agata Raniszewska (Warszawa, Poland), Malgorzata Barnas, Piotr Bielicki, Iwona Kwiecien, Tomasz Skirecki, Aneta Wernicka, Maciej Wyzgal, Joanna Domagala-Kulawik
- PA2538 The frequency of monosite chemoattractant protein-1 gen polymorphism in obstructive sleep apnea syndrome**
Buğra Kerget (Erzurum, Turkey), Ömer Araz, Elif Yılmazel Ucar, Metin Akgun
- PA2539 Apolipoprotein E polymorphisms and incident arterial hypertension in obstructive sleep apnea patients A prospective cohort study**
Ana Cerezo Hernández (Valladolid, Spain), Tomás Ruíz Albi, María Jesús Alonso Ramos, Andrea Crespo Sedano, Daniel Álvarez González, Julio Fernández De Frutos Arribas, Carmen Ainhoa Arroyo Domingo, Félix Del Campo Matías
- PA2540 The effect of chronic-intermittent-hypoxia on 5-HT1A receptors and GIRK-2 in dorsal raphe nucleus of rats**
Ying Zou (shenyang, China), Wei Wang, Wenyang Li, Hongyu Jin
- PA2541 Study of cognitive impairment in subjects with obstructive sleep apnoea using Addenbrooke's Cognitive examination(ACE-R)**
Uma Maheswari Krishnaswamy (Bangalore (Karnataka), India), Priya Ramachandran, Kimberly D'Souza, Uma Devaraj
- PA2542 Efficacy and safety of single-use suvorexant for insomnia during in-laboratory polysomnography in patients with obstructive sleep apnea: A feasibility study**
Takuma Matsumura (Chiba, Japan), Jiro Terada, Taku Kinoshita, Yoriko Sakurai, Misuzu Yahaba, Seichiro Sakao, Chikara Yoshimura, Koichiro Tatsumi
- PA2543 Periodic Leg Movements are Associated With Cardiovascular Disease and Severity of Obstructive Sleep Apnea Syndrome**
Halil Ibrahim Yakar (Istanbul, Turkey), Sebahat Alışır Eceder, Erkan Ceylan, Asiye Kanbay
- PA2544 Effect of nighttime earplugs and eye mask on sleep quality in medical intensive care unit patients**
Pureepat Artawejkul (Bangkok, Thailand), Naricha Chirakalwasan

- PA2545 Sleep quality, under-recognition and underreporting of sleep disturbance among HIV patients attending tertiary hospital in Ilorin, Nigeria**
Adeniyi Olatunji Aladesanmi (Ilorin, Nigeria), Olufemi Desalu, Adeniyi Aladesanmi, Olutobi Ojuawo, Christopher Opeyemi, Obianuju Ozoh, John Olarinoye, Taofeek Oloyede, Emmanuel Sanya, Alakija Salami

TP-14

Session 275

12:50 - 14:40

Thematic poster: Obesity: comorbidities

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Public health Respiratory intensive care Epidemiology General respiratory patient care Physiology

Chairs : Thomas Brack (Glarus, Switzerland), Alanna Hare (London, United Kingdom), Peter Coss (Dublin 8, Ireland), Chair to be confirmed

- PA2546 Late Breaking Abstract - Obstructive Sleep Apnoea in an Irish Bariatric Population**
Johan Meurling (Dublin, Ireland), Emer O' Malley, Colin Dunlevy, Donal O' Shea, John F. Garvey
- PA2547 The results of OSAS patients in our clinic**
Süreyya Yilmaz (Diyarbakir, Turkey), Haidce Selimoglu Sen, Mahsuk Taylan, Melike Demir, Gokhan Kirbas
- PA2548 Elevated levels of BMI positively correlate with increased cardiovascular risk in patients with Obstructive Sleep Apnea.**
Pierluigi Carratù (Bari (BA), Italy), Gaia Corvasce, Silvano Dragonieri, Lorenzo Marra, Giorgio Castellana, Teresa Ranieri, Onofrio Resta
- PA2549 Ericksonian coaching for weight management in patients with OSA: A pilot study**
Pavol Joppa (Košice, Slovakia), Ruzena Tkacova, Ivana Paranicova, Eva Timkova, Dagmar Vonkova
- PA2550 The issue of weight management in sleep apnea patients**
Andrius Komarovec (Vilnius, Lithuania), Rasa Gauronskaite, Irina Liustrickyte, Vaiva Kumpauskaite, Dalia Balciene, Rolandas Zablockis, Edvardas Danila, Agne Krzivickyte, Justina Kucinskaite
- PA2551 Predictive factors of residual events after weight loss in Obstructive Sleep Apnea Syndrome.**
Astrid Mosseray (Woluwe-St-Lambert, Belgium), Daniel Rodenstein, Gimbada Benny Mwenge
- PA2552 Diagnosis, follow-up and management of sleep disordered breathing in children with Osteogenesis Imperfecta**
Jessica Taytard (Gradignan, France), Antoine Leotard, Marion Aouate, Michèle Boule, Véronique Forin, Pauline Lallemand-Dudek
- PA2553 Assesment for Sleep in Myotonic Dystrophy type 1(MD-1) patients**
Sandra Pedrero Tejada (Santurtzi (Vizcaya), Spain), Borja Ortiz De Urbina Antia, Idoia Salinas Garrido, Beatriz Gonzalez Quero, Sonia Castro Quintas, Amaia Urrutia Gajate, Lorea Martinez Indart, Valentin Cabriada Nuño, Pilar Marin Fernandez
- PA2554 High obstructive sleep apnea risk in patients with type A aortic dissection**
Xi Xin (Beijing, China), Wei Yongxiang
- PA2555 Body imagen, sexual function and dysfunction in men with obstructive sleep apnea syndrome**
Grzegorz Brozek (Katowice, Poland), Krzysztof Nowosielski, Szymon Skoczyński, Klaudia Glinka, Karolina Ficek, Aleksandra Oraczewska, Beata Kotulska, Sylwia Waz, Adam Barczyk
- PA2556 Is there a link between OSA and erectile dysfunction?**
Paola Gudiel Arriaza (Leon, Spain), Amparo Sánchez Serrano, Jose Luis Fernandez Sánchez
- PA2557 Chronic cough in patients with obstructive sleep apnea.**
Aleksandra Rybka (Warszawa, Poland), Magdalena Wąsik, Elżbieta Grabczak, Marta Dąbrowska, Piotr Bielicki, Rafał Krenke
- PA2558 Prevalence of Obstructive Sleep Apnea in Idiopathic Pulmonary fibrosis**
Subho Sarkar (North 24 Parganas (West Bengal), India), Chainaram Choudhary, Gopal Purohit
- PA2559 Association Between Swallow-Associated Respiratory Arousal and Nocturnal Gastroesophageal Reflux Occurrence in Patients with Coexisting Obstructive Sleep Apnea and Gastroesophageal Reflux Disease**
Nattawat Jantarangsi (Bangkok, Thailand), Nattapong Jaimchariyatam, Sutep Gonlachanvit, Tayard Desudchit
- PA2560 Snoring and nocturnal gastroesophageal reflux in the ECRHS III: Association to lung function and respiratory symptoms**
Össur Ingi Emilsson (Uppsala, Sweden), Shadi Amid Hägg, Deborah Jarvis, Judith Garcia-Aymerich, Thorarinn Gislason, Christer Janson, . On Behalf Of The Ecrhs Sleep Working Group

- PA2561 Does intraocular pressure change in response to CPAP applied in wakefulness?**
Dariusz Wozniak (St Ives (Cornwall), United Kingdom), Matthew Schneiders, Rupert Bourne, Ian Smith
- PA2562 Obstructive Sleep Apnea in patients with Primary-Open Angle Glaucoma: prevalence and associations.**
Dariusz Wozniak (St Ives (Cornwall), United Kingdom), Rupert Bourne, Gil Peretz, Jane Kean, Catherine Willshire, Shabbir Harun, Sofia Villar, Yi-Da Chiu, Ian Smith
- PA2563 28-day post-operative complications in elective bariatric patients with obstructive sleep apnoea**
Peter Siu Pan Cho (London, United Kingdom), Paola Eiben, Joesph Patrick Hetherington, Kai K Lee
- PA2564 Venous vs arterial blood gases in the assessment of sleep disordered breathing in an Irish bariatric population**
Johan Meurling (Dublin, Ireland), Donal O' Shea, John Garvey
- PA2565 Can serum bicarbonate be used to screen for sleep disordered breathing (SDB) in obese patients?**
Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Julian Barth, Daniel Peckham, Dipansu Ghosh, Mark Elliott

TP-15

Session 276

12:50 - 14:40

Thematic poster: Pleural effusions, infections and tumours

Disease(s) : Thoracic oncology Respiratory critical care Airway diseases Respiratory infections Interstitial lung diseases
Respiratory infections

Method(s) : Imaging Respiratory intensive care Endoscopy and interventional pulmonology Surgery

Chairs : Kalliopi Athanassiadi (Athens, Greece), Luca Bertolaccini (Bologna (BO), Italy), Marcello Migliore (Catania (CT), Italy), Serdar Evman (Istanbul, Turkey)

- PA2566 The use of untunneled indwelling pleural catheters for non-malignant pleural effusions in the outpatient**
Julio Mott Ancona Lopez (Sao Paulo, Brazil), Andre Miotto, Jorge Henrique Rivaben, Pedro Augusto Antunes Honda, Marcio Botter
- PA2567 Treatment of empyema thoracis in HIV-infected patients in the era of antiretroviral therapy: a thoracic surgeon's point of view**
Dimitris Lioumpas (Athens, Greece), Aggeliki Panagiotou, Kostantinos Bouboulis, Ilias Samiotis, Ioannis Stamatatos, Despoina Mylonaki, Stylianos Zaragkas, Nikolaos Tzatzadakis
- PA2568 The use of Povidone iodine in the anticipation and management of prolonged post-operative air-leak**
ASMA SAIDANE (TUNIS, Tunisia), Walid Abid, Yacine Ben Safta, Sami Daloul, Mounir Ben Moussa, Mohamed-Sadok Boudaya
- PA2569 Role of rigid thoracoscopy in undiagnosed exudative pleural effusion**
Moti Lal Bunkar (Jaipur (Rajasthan), India), Anil Saxena, Suman Khangarout, Rajendra Takhar, Babulal Bansiwala, Vineet Gupta, Shahin Lal, Savita Arya
- PA2570 Management of recurrent hepatic hydrothorax: a 5-year experience at a tertiary centre in Greece.**
Dimitris Lioumpas (Athens, Greece), Konstantinos Boumpoulis, Ilias Samiotis, Ioannis Stamatatos, Despoina Mylonaki, Stylianos Zaragkas, Aggeliki Panagiotou, Nikolaos Tzatzadakis
- PA2571 Pleural empyema – does time matter?**
Dionísio Joaquim de Castro Maia (Vila do Conde, Portugal), João Santos Silva, David Silva, Ana Rita Costa, João Eurico Reis, Ricardo Coelho, Alexandra Mineiro, Paulo Calvino, João Cardoso
- PA2572 Comparative results of Sericin pleurodesis, as a novel pleurodesis agent**
Alkın Yazıcıoğlu (Ankara, Turkey), Serkan Uysal, Tuba Sahinoglu, Mahmut Subasi, Funda Demirag, Erdal Yekeler
- PA2573 Uniportal thoracoscopy for pneumothorax**
Camilla Poggi (Rome, Italy), Sara Mantovani, Ylenia Pecoraro, Carolina Carillo, Massimiliano Bassi, Davide Amore, Pietro Bruschini, Andreina Pagini, Giuseppe Naldi, Tiziano De Giacomo, Daniele Diso, Erino Angelo Rendina, Federico Venuta, Marco Anile
- PA2574 Solitary fibrous tumor of the pleura. Presentation of a series of cases.**
Servio Tullio Torres Rodríguez (Guatemala City, Guatemala), Danilo Herrera Cruz, Marco Antonio Peñalongo Bendfeldt
- PA2575 Pedicled intercostal muscle flap for bronchus fistula prevention and treatment.**
Uldis Kopeika (Moers, Germany), Aivars Berzins, Petar Traykov, Christian Roesel, Thomas Krbek
- PA2576 Ectopic adrenocorticotrophic hormone syndrome: clinical features, diagnosis, treatment and long-term observation. Impact of bronchial carcinoid tumors.**
Vadim Krylov (Moscow, Russian Federation), Ekaterina Dobreva, Sergey Kharnas, Vladimir Parshin, Leonid Ippolitov, Nikolay Kuznetsov, Georgy Polunin

- PA2577** **The operation of choice for closure of large defects of the anterior wall of the trachea.**
Rustem Hayaliev (Tashkent, Uzbekistan), Shuhrat Khudaybergenov, Otabek Eshonkhodjaev
-
- PA2578** **Management of secondary tension pneumothorax as a complication of chronic obstructive pulmonary disease: self-experience study**
Filip Shterev (Plovdiv, Bulgaria), Ivan Novakov
-
- PA2579** **Mediastinal masses: Clinical, radiological and pathological analysis**
Darine Sakka (sfax, Tunisia), Hanan Smadhi, Achraf Ben Tkhayat, Hela Kamoun, Ines Akrouf, Dorra Greb, Hajer Ben Abdelghaffar, Hela Hassan, Leila Elfekih, Mohamed Lamine Megdiche
-
- PA2580** **Surgical resection and outcome of multifocal adenocarcinoma of the lung**
Funda Incekara (Ankara, Turkey), Deniz Kaygusuz Tikici, Sevki Mustafa Demiroz, Koray Aydogdu, Funda Demirag, Selim Sakir Erkmén Gulhan, Sadi Kaya, Gokturk Findik
-
- PA2581** **Thoracomyoplasty operations in treatment of postoperative complications it thoracic surgery.**
Aleksy Reshetov (St. Petersburg, Russian Federation), Aleksy Elkin, Dmitry Ermacov, Tatiana Trunina
-
- PA2582** **Surgical management of pulmonary hydatid cyst with a thoracoscopic approach**
Sarra Zairi (Tunis, Tunisia), Sabrine Louhaichi, Mehdi Abdennadher, Monia Attia, Amira Dridi, Hazem Zribi, Henda Neji, Sonia Ouerghi, Saoussen Hantous, Khaoula Ben Miled, Taher Mestiri, Adel Marghli
-
- PA2583** **Features and management of iatrogenic tracheal stenosis**
Sabrine LOUHAICHI (Ariana, Tunisia), Sarra Zairi, Ahmed Jelassi, Bisma Hamdi, Mahdi Abdennadher, Hazem Zribi, Amira Dridi, Jamel Ammar, Adel Mareghli

TP-16

Session 277

12:50 - 14:40

Thematic poster: Moving lung transplantation forward

Disease(s) : Respiratory infections Interstitial lung diseases Respiratory critical care Thoracic oncology Airway diseases | Pulmonary vascular diseases Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Physiology Respiratory intensive care Endoscopy and interventional pulmonology Transplantation

Chairs : Are Martin Holm (Oslo, Norway), Cécile Robinson (Zürich, Switzerland), James Laurence Lordan (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Federica Meloni (Pavia (PV), Italy)

- PA2584** **LSC - 2018 - Development of a hybrid alginate-ECM hydrogel as a potential bioink for 3D bioprinting**
Martina M. De Santis (Lund, Sweden), Darcy Wagner (Lund, Sweden), Chiharu Ota (chipaota@gmail.com / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Rita Costa (rita.costa@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Ali Doryab (ali.doryab@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Hani N. Alsafadi (hani.alsafadi@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Deniz Bolukbas (deniz.bolukbas@med.lu.se / Department of Experimental Medical Sciences, Lund University, Lund), Melanie Konigshoff (MELANIE.KOENIGSHOFF@UCDENVER.EDU / Department of Medicine, University of Colorado, Denver), Darcy E. Wagner (darcy.wagner@med.lu.se / Department of Experimental Medical Sciences, Lund University, Lund)
-
- PA2585** **LSC - 2018 - Laser-capture microdissection, mass spectrometry and immunohistochemistry reveal pathologic alterations in the extracellular matrix of transplanted lungs**
Catharina Mueller (Lund, Sweden), Emma Ahrman (emma.ahrman@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science and Division of Infection Medicine, Department of Clinical Sciences, Lund University, Lund), Leif T. Eriksson (leif.eriksson@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science, Lund University and Department of Respiratory Medicine and Allergology, Lund University Hospital, Lund), Katharina Wassilew (katharina.wassilew@regionh.dk / Department of Pathology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Hans H. Schultz (Hans.Henrik.Lawaetz.Schultz.01@regionh.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Hans Brunnstrom (hans.brunnstrom@med.lu.se / Department of Clinical Sciences in Lund, Division of Oncology and Pathology, Lund University and Department of Genetics and Pathology, Division of Laboratory Medicine, Region Skåne, Lund), Michael Perch (Michael.perch@regionh.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Martin Iversen (martin@iversen-net.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Johan Malmstrom (johan.malmstrom@med.lu.se / Division of Infection Medicine, Department of Clinical Sciences Lund, Lund University, Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science, Lund University, Lund)
-
- PA2586** **Safety of antifibrotic drugs in idiopathic pulmonary fibrosis patients awaiting lung transplantation**
Roxana Genoveva Chirinos Guevara (barcelona, Spain), Eduardo Vélez, Cristina Berastegui, Ana Villar, Eva Revilla, Helena Sintés, Berta Sáez, Manuel López Meseguer, Carles Bravo, Victor Monforte, Antonio Roman, Irene Bello, Judit Sacanell

- PA2587 Significant associations between Escape-avoidance coping and emotional distress in patients evaluated for lung transplant**
Torunn Stavnes Søyseth (Oslo, Norway), Mary Amanda Dew, May Brit Lund, Gro Killi Haugstad, Vidar Soyseth, Ulrik Fredrik Malt
-
- PA2588 Cardiovascular Autonomic Control in Lung Transplantation Recipients**
Valeria Rossetti (Milano (MI), Italy), Giulia Coti Zelati, Eleonora Tobaldini, Letizia Corinna Morlacchi, Domenica Federica Briganti, Linda Bassi, Iliaria Righi, Stefano Aliberti, Paolo Tarsia, Nicola Montano, Francesco Blasi
-
- PA2589 The diaphragm before and after lung transplant (LT)**
Antonella LoMauro (Milano (MI), Italy), Andrea Aliverti, Emilia Privitera, Maurizio Vergari, Iliaria Righi, Manuela Sgroia, Davide Tosi, Valeria Rossetti, Federica Briganti, Peter Frykhol, Carla Colombo, Mario Nosotti, Alessandro Palleschi
-
- PA2590 Cardiopulmonary response to exercise after lung transplantation**
Mariann Ulvestad (Oslo, Norway), Michael Thomas Durheim, May Brit Lund, Johny Kongerud, Stian Roterud, Elisabeth Edvardsen
-
- PA2591 Physical activity, physical fitness and quality of life in lung transplant recipients**
Elisabeth Edvardsen (Oslo, Norway), Mariann Ulvestad, May Brit Lund, Johny Kongerud, Inger Lise Alteren, Hanne Flatsetøy, Vibeke Klungerbo, Stian Roterud, Michael T Durheim
-
- PA2592 Donor lung pathological abnormalities and recipient outcomes**
Davide Piloni (Pavia, Italy), Joseph Costa, Andreacarola Urso, Andres N Gomez, Lori Shah, Hillary Y Robbins, Luke Benvenuto, Joshua R Sonett, Selim Arcasoy, Frank D'Ovidio
-
- PA2593 Bronchial stenosis, a critical complication in lung transplant: single center experience**
Francesco Tarantini (Vimercate (MB), Italy), Giuseppe Ciaravino, Piercarlo Parigi, Luca Novelli, Lorenzo Corbetta
-
- PA2594 The role of pulmonary arterial wedge pressure in primary graft dysfunction**
Federico B. M. Blasi (Milano (MI), Italy), Letizia Corinna Morlacchi, Valeria Rossetti, Rosa Casella, Paolo Tarsia, Mario Nosotti, Lorenzo Rosso, Paolo Mendogni, Federico Lombardi, Marco Vicenzi
-
- PA2595 Basiliximab induction reduces the incidence of acute rejection in lung transplant patients**
Victor Manuel Mora Cuesta (Santander (Cantabria), Spain), David Iturbe, Laura González, Teresa Díaz, Sonia Fernández, Amaya Martínez, Ana Sangrador, Javier Gómez, Ainara Azueta, Laura Sánchez, Sara Naranjo, Carlos Álvarez, Miguel Carbajo, Roberto Mons, Rodrigo Alonso, Virginia Pérez, Alicia De Pablo, José M. Cifrián
-
- PA2596 Differential gene expression of aquaporins (AQP) in lung transplant recipients with acute lung rejection.**
Dimitrios Magouliotis (Larisa, Greece), Vasiliki Tasiopoulou, Kyriakos Spiliopoulos, Konstantina Svokos, Alexis Svokos, Kalliopi Athanassiadi
-
- PA2597 Retrospective analysis of efficacy of combined CMV prophylaxis scheme: Turin Lung Transplant Center experience**
Filippo Patrucco (Torino (TO), Italy), Elisa Clivati, Giulia Verri, Erika Simonato, Daniela Libertucci, Cristina Costa, Antonio Curtoni, Massimo Boffini, Mauro Rinaldi, Caterina Bucca, Paolo Solidoro
-
- PA2598 COPD and alpha-1 antitrypsin deficiency emphysema: characteristics and survival after Lung Transplantation**
Sara Isabel Campos Silva (Paços de Ferreira, Portugal), Nidia Caires, Vânia Caldeira, Ricardo Dias Coelho, Ana Sofia Santos, Telma Lopes, Paulo Calvinho, Luisa Semedo, João Cardoso, José Fragata
-
- PA2599 Outcomes and survival in alpha1-antitrypsin deficiency post lung transplantation**
Jana Kleinerova (Dublin 8, Ireland), Lana Khorsheed, Iain Lawrie, Sara Winward, Karen Redmond, Donna Eaton, David Healy, Lars Nolke, Seyed Javadpour, Jim Egan
-
- PA2600 Evaluation of early conversion to prolonged-release tacrolimus in lung transplantation.**
Marta Entrenas Castillo (, Spain), Isabel Ordoñez Dios, Francisca Montoro Ballesteros, Javier Redel Montero, Maria Jesus Cobos Ceballos, Francisco Santos Luna, Jose Manuel Vaquero Barrios
-
- PA2601 Incidence and risk factors for bronchiolitis obliterans syndrome stage 0p after lung transplantation**
Sehyun Kwak (Seoul, Republic of Korea), Song Yee Kim, Ji Soo Choi, Sungwoo Moon, Juhye Shin, Ji-Eun Park, Moo Suk Park, Hyo-Chae Paik, Jin Gu Lee
-
- PA2602 Malignancies in lung transplant recipients: an update of the portuguese experience**
Vania Caldeira (Azueira, Portugal), Tiago Sá, Sara Silva, Nidia Caires, Ricardo Coelho, Sara Alfarroba, Ana Sofia Santos, Luisa Semedo, Joao Cardoso, José Fragata
-
- PA2603 Experience of lung transplant consultation in a non-transplant centre**
Maria Asuncion Macia Palazon (Palma De Mallorca, Spain), Antonio Román Broto, Ernest Sala Llinas, Cristina Berastegui García, Manuel López Meseguer, Jaime Sauleda Roig

TP-17

Session 278

12:50 - 14:40

Thematic poster: Predicting the future: biomarkers of respiratory infection

Disease(s) : [Airway diseases](#) [Respiratory infections](#) [Respiratory critical care](#) [Respiratory infections](#)

Method(s) : Cell and molecular biology Public health Respiratory intensive care General respiratory patient care

Chairs : David Connell (London, United Kingdom), Rosario Menendez Villanueva (Valencia, Spain), Sebastian Ott (Bern, Switzerland), Oriol Sibila (Barcelona, Spain)

- PA2604 Pepsin as a biomarker of reflux in NAR patients**
Rhianna Lenham (Kingston Upon Hull, United Kingdom), Rhianna Lenham, Qiuping Wang, Xiu Wang, Peter Dettmar
-
- PA2605 Vitamin D and Bronchiectasis Severity Index (BSI): A correlation**
Sebastian Ferri (Catania (CT), Italy), Enrico Heffler, Raffaele Campisi, Carlo Chessari, Claudia Crimi, Nunzio Crimi
-
- PA2606 Interleukin-6 levels as an evolution marker of late mortality and cardiovascular events after an episode of community-acquired pneumonia.**
Sergio Luquero Bueno (Madrid, Spain), José María Galván-Román, Jose Curbelo, Mara Ortega-Gómez, Ángel Lancho-Sánchez, Lorena Vega-Piris, Manuel Gómez, Hortensia De La Fuente, Carmen Suárez, L. Jesús Jiménez-Borreguero, Javier Aspa Marco
-
- PA2607 Soluble urokinase plasminogen activator receptor (suPAR) for the prediction of ventilator-associated pneumonia (VAP)**
Pouline M.P. van Oort (Amsterdam, Netherlands), Lieuwe D. Bos, Pedro Povoia, Paula Ramirez, Antonio Torres, Antonio Artigas, Marcus J. Schultz, Ignacio Martin-Loeches
-
- PA2608 Serum ferritin as a prognostic marker of pneumonia: a prospective, single center study**
Ji Hye Kim (Daejeon, Republic of Korea), Dae Sung Kim, In-Beom Jeong, Ji-Woong Son, Mun-Jun Na, Sun-Joong Kwon
-
- PA2609 Relationship between Neutrophilic Airway Inflammation and Airway Colonisation in non-Cystic Fibrosis Bronchiectasis**
Federico Lorenzo Dente (Pisa (PI), Italy), Roberta Del Cesta, Maria Laura Bartoli, Matteo Bradicich, Marta Daniele, Maria Adelaide Roggi, Barbara Vagaggini, Pierluigi Paggiaro
-
- PA2610 C-reactive protein (C-RP) in patients with chronic heart failure (CHF) and community-acquired pneumonia (CAP): usefulness to guide antibiotic prescription**
Andrey Bobylev (Smolensk, Russian Federation), Svetlana Rachina, Sergey Avdeev, Sergey Rachin, Daria Smirnova
-
- PA2611 LYMPHOPENIA AS PREDICTOR OF LONG TERM MORTALITY IN PATIENTS WITH HOSPITAL ACQUIRED PNEUMONIA**
Adrian Ceccato (Ituzaingo (Prov. De Buenos Aires), Argentina), Meropi Panagiotarakou, Marta Martin-Fernandez, Raquel Almansa Mora, Otavio Ranzani, Catia Cilloniz, Gianluigi Li Bassi, Adamantia Liapikou, Miquel Ferrer, Jesus Bermejo-Martin, Antoni Torres
-
- PA2612 Serum Albumin-Globulin ratio reversal predicts morbidity in patients hospitalized for Influenza A(H1N1) infection.**
Karthikeyan Ramaraju (Mumbai (Maharashtra), India), Anupama K Murthy, Nithilavalli Balasubramaniam, Vinoth Kumar Leon
-
- PA2613 Usefulness of the measurement of plasma neutrophil gelatinase-associated lipocalin as a biomarker for predicting prognosis in hospitalized patients with pneumonia**
Sang-Heon Kim (Seoul, Republic of Korea), Ji-Hee Min, Tai Sun Park, Dong Won Park, Ji-Yong Moon, Tae Hyung Kim, Jang Won Sohn, Ho Joo Yoon
-
- PA2614 The extent of microbiological testing and antibiotic de-escalation in adults with community-acquired pneumonia: a retrospective cohort study.**
Esther Wittermans (Nieuwegein, Netherlands), Stefan M T Vestjens, Willem Jan W Bos, Jan C Grutters, Ewoudt M W Van De Garde, Bart J M Vlamincx
-
- PA2615 MCC-IMS Spectral Analyses of Volatile Markers for Screening of Clinically Relevant Bacterial Infection**
Gunther Becher (Bernau, Germany), Roman Purkhart, Romy Gerber, Werner Schueler, Rolf Graupner
-
- PA2616 The association between phagocytes in Gram-stained sputum and detection of causative organisms**
Koko Shibutani (Tokyo, Japan), Ryosuke Tsugitomi, Ryosuke Imai, Hiroaki Kanemura, Kenji Ishii, Kohei Okafuji, Atsushi Kitamura, Eri Hoshino, Hiroshi Ono, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
-
- PA2617 Thrombotic disorders (blood coagulation test and Padua Prediction Score for risk of lung thrombosis) in hospitalized patients with community-acquired pneumonia (CAP)**
Mariia Krykhtina (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Katerina Dyagovets

- PA2618** **Is its connection between systemic inflammation and risk of thrombotic disorders (by Padua scale) in hospitalized patients with community-acquired pneumonia (CAP)?**
Mariia Krykhtina (Dnepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva
- PA2619** **Evaluation of clinical and operational outcomes of a Point of Care Test for patients with suspected influenza in an acute medical unit.**
Mahin Ahmad (Heswall, United Kingdom), Anuradha Jayachandran
- PA2620** **The Neutrophil-lymphocyte ratio in patients with community-acquired pneumonia**
taboubi amir (beja, Tunisia), Toujani Sonia, Ben Khaled Safa, Slim Azza, Hedhli Abir, Cheikhrouhou Sana, Ouahchi Yacine, Mjid Meriem, Merai Samira
- PA2621** **Is Neutrophil-lymphocyte ratio useful for differential diagnosis between pulmonary tuberculosis and bacterial community-acquired pneumonia.**
Meriem Mjid (Tunis, Tunisia), Amir Taboubi, Abir Hedhli, Sonia Toujani, Safa Ben Khaled, Azza Slim, Sana Cheikh Rouhou, Yacine Ouahchi, Samira Merai
- PA2622** **Procalcitonin has wider applicability in community-acquired pneumonia than other biomarkers**
William Ward Siljan (Oslo, Norway), Jan C Holter, Annika E Michelsen, Ståle H Nymo, Jon Norseth, Einar Husebye, Trine Lauritzen, Thor Ueland, Tom E Mollnes, Pål Aukrust, Lars Heggelund
- PA2623** **IgG3 subclass deficiency as a predictive marker of mortality in patients admitted to ICU**
Ji Hye Kim (Daejeon, Republic of Korea), Dae Sung Kim, In-Beom Jeong, Ji-Woong Son, Mun-Jun Na, Sun-Joong Kwon

TP-18

Session 279

12:50 - 14:40

Thematic poster: Pneumonia: from the community to the intensive care unit

Disease(s) : Airway diseases Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Respiratory intensive care Epidemiology Public health

Chairs : Eva Polverino (Barcelona, Spain), Aran Singanayagam (London, United Kingdom), Eric Mortensen (Simsbury, United States of America), Chair to be confirmed

- PA2624** **Community-acquired pneumonia (CAP) with cytomegaloviral (CMV) persistence at young adults: prevalence and reciprocal burdening**
Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Tetyana Konstantynovych, Larisa Moroz
- PA2625** **Verifying the antibiotic selection algorithm in the new Japanese pneumonia guidelines - Is algorithm-discordant treatment associated with increased mortality of healthcare-associated pneumonia?**
Masahiro Aoshima (Kamogawa, Japan), Kei Nakashima, Makito Yaegashi, Atsushi Shiraishi
- PA2626** **Twenty-year Trend in Mortality among Hospitalized Patients with Pneumococcal Community-Acquired Pneumonia**
Catia Cilloniz Campos (Barcelona, Spain), Adamantia Liapikou, Ignacio Martin-Loeches, Carolina Garcia-Vidal, Albert Gabarrus, Adrian Ceccato, Josep Mensa, Francesc Marco
- PA2627** **Effectiveness of a 23-valent pneumococcal polysaccharide vaccine and a 13-valent pneumococcal conjugate vaccine among the elderly with chronic respiratory diseases**
Toshihiro Masuda (Shizuoka-city, Japan), Taisuke Akamatsu, Eiji Nakatani, Kanami Tamura, Shingo Takahashi, Yuko Tanaka, Hirofumi Watanabe, Yoshinari Endo, Takahito Suzuki, Rie Noguchi, Mika Saigusa, Akito Yamamoto, Yuichiro Shishido, Takefumi Akita, Satoru Morita, Kazuhiro Asada, Toshihiro Shirai
- PA2628** **Clinical significance of virus detected community-acquired pneumonia in adults**
Mi-Ae Kim (Daegu, Republic of Korea), Won-Il Choi, Hyun Jung Kim, Sun Hyo Park, Jae Seok Park, Choong Won Lee
- PA2629** **Uncommon accumulation of multidrug resistance and virulence potential in carbapenemase ST-14 KPC-3 Klebsiella pneumoniae in Portugal: a high risk threat**
Cátia Caneiras (Lisboa, Portugal), José Melo Cristino, Luis Lito, Sagrario Mayoralas-Alises, Aida Duarte
- PA2630** **Hospitalized community-acquired pneumonia in the elderly: etiology and comorbidities**
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Sergiu Matcovschi, Tatiana Dumitras, Iuliana Romaniuc, Mihail Lupan, Diana Fetco-Mereuta, Nina Chicu
- PA2631** **RISK FACTORS FOR LONG-TERM MORTALITY IN PATIENTS WITH PNEUMOCOCCAL COMMUNITY-ACQUIRED PNEUMONIA**
Luis Alberto Ruiz Iturriaga (Barakaldo (Vizcaya), Spain), Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Leyre Serrano Fernandez, Lorea Martinez-Indart, Ainhoa Gomez Bonilla, Amaia Artaraz Ereño, Beatriz Gonzalez Quero, Amaia Aramburu Ojembarrena, Pedro Pablo España Yandiola, Rafael Zalacain Jorge

- PA2632 Inhaled antibiotics, pneumonia and bacterial resistance in the ICU**
Lucy B. Palmer (Stony Brook, United States of America), Gerald C. Smaldone
-
- PA2633 Platelet activation is boosted early in community-acquired pneumonia and sustained until 30 days later**
Raúl Méndez (Valencia, Spain), Antonio Moscardó, Ana Latorre, Alba Piró, Isabel Amara-Elori, Alexandra Gimeno, Paula González, Laura Feced, María Teresa Climent, Rosario Menéndez
-
- PA2634 MACROLIDE RESISTANCE HAS A PROGNOSTIC IMPACT IN BACTEREMIC PNEUMOCOCCAL PNEUMONIA**
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Estrella Fernández-Fabrellas, Nuria Tormo, Remedios Guna, Concepción Gimeno, José Blanquer
-
- PA2635 PREDICTING THE MORTALITY OF PNEUMONIA PATIENTS VISITING THE EMERGENCY DEPARTMENT THROUGH MACHINE LEARNING**
YEOL BAE (Seongnam-si, Gyeonggi-do, Republic of Korea), Hyunki Moon, Suhyun Kim
-
- PA2636 Carbapenem-resistance pathogens in HAP/VAP patients in US hospitals between 2010 and 2015**
Bin CAI (, China), Bin Cai (FlorhFam Park, United States of America), Roger Echols, Frank Corvino, Deborah Rudin, Gareth Morgan, Yuko Matsunaga, Mari Ariyasu, Takuko Sawada, Tsutae Nagata
-
- PA2637 Effects of probiotic supplementation on procalcitonin level and clinical improvements in patients with pneumonia**
Reviono Reviono (Surakarta (Central Java), Indonesia), Sutanto Yusup, Harsini Harsini, Hartanto Dwi Nugroho
-
- PA2638 INCIDENCE AND RISK FACTORS FOR NEW ATRIAL ARRHYTHMIA IN PNEUMOCOCCAL PNEUMONIA**
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Lorea Martinez-Indart, Beatriz Gonzalez Quero, Amaia Artaraz Ereño, Amaia Aramburu Ojembarrena, Ainhoa Gomez Bonilla, Pedro Pablo España Yandiola, Rafael Zalacain Jorge
-
- PA2639 Association of metformin and mortality for patients with diabetes who are hospitalized with pneumonia**
Eric Mortensen (Simsbury, United States of America), Antonio Anzueto
-
- PA2640 Recovery in adults hospitalised with community-acquired pneumonia; a systematic review and meta-analysis**
Harry Pick (Nottingham (Nottinghamshire), United Kingdom), Charlotte E Bolton, Wei Shen Lim, Tricia Mckeever
-
- PA2641 Effect of Oral Chlorhexidine in Preventing Hospital-Acquired Pneumonia among non-intubated patients in the Philippines**
martin kristoffer ogbac (Mandaluyong, Philippines), Jonathan Arquiza
-
- PA2642 Risk factors of nosocomial pneumonia in multiple trauma patients**
Syrine Chouchane (Sousse, Tunisia), Mohamed Kahloul, Chawki Jebali, Raoudha Chrigui, Sana Aissa, Marwa Chaabani, Mohamed Said Nakhli, Walid Najja
-
- PA2643 Optimizing treatment for community-acquired pneumonia in Denmark (The optiCAP study)**
Markus Fally (Frederiksberg C, Denmark), Jacob Anhoej, Lise Notander Clausen, Britta Tarp, Thomas Benfield, Pernille Ravn

TP-19

Session 280

12:50 - 14:40

Thematic poster: Mechanisms of respiratory infection

Disease(s) : Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Physiology Respiratory intensive care Epidemiology General respiratory patient care Cell and molecular biology

Chairs : Charles Dela Cruz (New Haven, United States of America), Mustapha Si-Tahar (Tours, France), Jessica Rademacher (Hannover, Germany), Chair to be confirmed

- PA2644 Three-dimensional lung epithelial cells potentiate aminoglycoside efficacy by enhancing intracellular pH in Pseudomonas aeruginosa**
Aurélie Crabbé (Ghent, Belgium), Lisa Ostyn, Charlotte Rigauts, Heleen Van Acker, Martijn Risseeuw, Serge Van Calenbergh, Tom Coenye
-
- PA2645 Characterization of murine model of chronic M. abscessus respiratory infection.**
Camilla Riva (Milano (MI), Italy), Floriana Gona, Cristina Cigana, Marco Rossi, Antonio Esposito, Tamara Canu, Anna Colarieti, Alessandra Bragonzi, Enrico Tortoli, Daniela Maria Cirillo
-
- PA2646 Dysregulation of lipid mediators in clinically stable bronchiectasis**
Pallavi Bedi (Edinburgh (Scotland), United Kingdom), Donald Davidson, Brian Mchugh, Adriano Rossi, Adam Hill

PA2647	Suppressor of cytokine signalling 1 (SOCS1) and asthma exacerbations Kate Strong (London, United Kingdom), Jie Zhu, David Jackson, Jaideep Dhariwal, Maria-Belen Trujillo-Torralbo, Sebastian Johnston, Michael Edwards
PA2648	The impact of testosterone on Pseudomonas aeruginosa pathogenicity and antimicrobial susceptibility Celine Vidailac (Singapore, Singapore), Valerie Yong Lee, Tavleen Kaur Jaggi, Dan Roizman, Jagadish Sankaran, Thorsten Wohland, Liang Yang, Sanjay Haresh Chotirmall
PA2649	Inhaled phage therapy for the treatment of acute Pseudomonas aeruginosa lung infections Elsa Bodier-Montagutelli (Tours Cedex, France), Jeoffrey Pardessus, Emilie Dalloneau, Cindy Fevre, Guillaume L'Hostis, Eric Morello, Jérôme Gabard, Sandrine Le Guellec, Renaud Respaud, Laurent Vecellio, Nathalie Heuzé-Vourc'H
PA2650	Pseudomonas aeruginosa modulates the pulmonary immune response by affecting the IL17 / IL22 axis Reem GHINNAGOW (Paris, France), Saadé Kheir, Bérengère Villeret, Nicolas Serafini, Ignacio Garcia-Verdugo, Jean Michel Sallenave
PA2651	Trivalent Influenza Vaccine Responses in COPD Karl J. Staples (Southampton (Hampshire), United Kingdom), Nicholas P. Williams, Olivia Bonduelle, Andrew J. Hutton, Béhazine Combadière, Tom M.A. Wilkinson
PA2652	Amplified virus infection in a transforming growth factor-beta (TGFB) transgenic mouse model of inflammatory lung disease Belinda Thomas (Melbourne (VIC), Australia), Keiko Kan-O, Hong-Mei Li, Ian Simpson, Jack Elias, Philip Bardin
PA2653	Exhaled volatile markers analysed using Selected Ion Flow Tube Mass Spectrometry discriminate Pseudomonas aeruginosa and Streptococcus pneumoniae lung infection in a rat model study Gitte Slingers (Nieuwerkerken, Belgium), Poulina M. Van Oort, Gudrun Koppen, Adrie Maas, Joris J. Roelofs, Marcus Schultz, Philippe Jorens, Marc Raes, Lieuwe D. Bos
PA2654	Inflammatory exacerbation and inadequate interferone response to RV1b infection in HDM-sensitized lung tissue Olga Danov (Hannover, Germany), Lisa Laßwitz, Helena Obernolte, Christina Hesse, Armin Braun, Sabine Wronski, Katherina Sewald
PA2655	Rapid in vitro detection of resistant strains by MCC-IMS Claus Steppert (Bamberg, Germany), Tanja Dick, Isabel Steppert, Thomas Bollinger, Gunther Becher
PA2656	Effects of direct lung dosing of Tobramycin in a rat chronic infection model using Pseudomonas aeruginosa RP73 Mary Mcelroy (Edinburgh (Edinburgh), United Kingdom), Senthil Gandhi, Islay Cranston, Gerry Mclachlan, Steven Wright, James Baily, Susanna Stimpson, Stephen Madden, Mark Whitmarsh, Alan Young
PA2657	Impact of enzymes and toxins potentiality of four Aspergillus species to cause aspergillosis Mohamed Fawzy Adam (Assiut, Egypt), Abdel-Naser Zohri, Bassam Aboul-Nasr, Enas Mahmoud Amer
PA2658	Adaptation to oxidative stress induced-lung injury: friend or foe of influenza infection? Benoit Allard (Talence, France), Erwan Pernet, Jeffrey Downey, Maziar Divangahi, James Martin
PA2659	Exhaled breath analysis for the detection of Streptococcus pneumoniae and Pseudomonas aeruginosa lung infections using gas chromatography – mass spectrometry: a rat model study. Poulina M.P. van Oort (Amsterdam, Netherlands), Paul Brinkman, Gitte Slingers, Gudrun Koppen, Adrie Maas, Joris J. Roelofs, Ronny Schnabel, Dennis Bergmans, Roy Goodacre, Stephen Fowler, Marcus J. Schultz, Lieuwe D. Bos
PA2660	Influence of diabetes on serum profiles immune mediators and their association with the severity in patients hospitalized for pneumonia. Renata Baez-Saldaña (Ciudad de México, Mexico), Carlos Lopez-Elizondo, Ricardo Lacurain-Ledesma, Leslie Chavez-Galan, Patricia Gorocica-Rosete
PA2661	Mycobacterium avium complex(MAC)-specific poly-functional CD8 T cells can discriminate MAC pulmonary disease from colonization Chin-Chung Shu (Taipei, Taiwan), Ping-Huai Wang
PA2662	The medical tactics at repeated pneumonias. Marina Karakina (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Natalia Ponomareva
PA2663	Lung vessel thrombosis like the reason of mortality at severe community-acquired pneumonia (CAP) of viral and bacterial etiology - autopsy data Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine), Mariia Krykhtina, Katerina Dyagovets

TP-20

Session 281

12:50 - 14:40

Thematic poster: Improving the quality of life of patients with bronchiectasis

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Respiratory intensive care Imaging General respiratory patient care Epidemiology

Chairs : Pieter Goeminne (Bornem, Belgium), Amelia Shoemark (Dundee (Scotland), United Kingdom), Wim G. Boersma (Alkmaar, Netherlands), Michal Shteinberg (Haifa, Israel)

- PA2664 Adverse events during treatment of nontuberculous mycobacterial lung disease: do they really matter?**
Charlotte Balavoine (Etouy, France), François-Xavier Blanc, Philippe Lanotte, Jean Claude Meurice, Claire Andrejak, Sylvain Marchand-Adam
-
- PA2665 Peripheral blood eosinophilia and clinical phenotype in Bronchiectasis**
Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Simon Finch, Holy Keir, Thomas Fardon, James Chalmers
-
- PA2666 Factors related to microbiological isolates in patients with Non Cystic-Fibrosis Bronchiectasis (Non-CFBQ)**
Jacinto Hernandez Borge (Badajoz, Spain), Miguel Benitez-Cano Gamonoso, Maria Jose Antona Rodriguez, Maria Teresa Gomez Vizcaino, Pilar Inigo Naranjo, Pilar Cordero Montero, Amparo Sanz Cabrera, Jose Antonio Gutierrez Lara, Luis Miguel Sierra Murillo, Kaoutar El Boutaibi Faiz, Francisca Lourdes Marquez Perez
-
- PA2667 Prognostic indicators of adult patients with non-CF bronchiectasis and those with combined COPD and non-CF bronchiectasis**
Geraldine Lynch (Bristol (Avon), United Kingdom), Caroline Mckerr, Adam Massey, Nabil Jarad
-
- PA2668 Lung function decline in patients with bronchiectasis**
Michal Shteinberg (Haifa, Israel), Alon Ikan, Yochai Adir, Nili Stein, Sonia Schneer
-
- PA2669 A randomised placebo-controlled dose finding study of tobramycin inhalation powder (TIP) in patients with bronchiectasis (BE) and pulmonary P. aeruginosa Pa) infection (iBEST-1)**
Michael Loebinger (London, United Kingdom), Eva Polverino, Francesco Blasi, Stuart Elborn, James D Chalmers, Harm A.W.M. Tiddens, Herman Goossens, Michael Tunney, Gerhild Angyalosi, Adam T Hill, Charles Haworth, . On Behalf Of The I Best-1 Trial Team
-
- PA2670 Quality of life is associated with increased symptom burden and markers of disease severity: data from the German Bronchiectasis Registry PROGNOSIS**
Felix C. Ringshausen (Hannover, Germany), Philipp Sokol, Grit Barten, Andrés De Roux, Roland Diel, Stefanie Konwert, Tobias Welte, Marie-Louise Witte, Annegret Zurawski, Jessica Rademacher
-
- PA2671 Paratracheal air cysts in patients with non-CF bronchiectasis**
Oxana Munteanu (Chisihau, Republic of Moldova), Irina Volosciuc, Doina Rusu, Eugenia Scutaru, Leonid Onea, Victor Botnaru
-
- PA2672 Validation of the Italian version of Bronchiectasis Quality of Life Questionnaire (QoL-B)**
Elisa Franceschi (Milano (MI), Italy), Angela Bellofiore, Cesare Del Monaco, Andrea Gramegna, Fabrizio Nava, Noemi Borsa, Francesco Amati, Martina Contarini, Alexandra Quittner, Ilaria Baiardini, Stefano Aliberti, Francesco Blasi
-
- PA2673 Validation of Murray sputum purulence scale in the Italian Registry of Bronchiectasis (IRIDE)**
Elisa Franceschi (Milano (MI), Italy), Stefano Aliberti, Federico Dente, Marialma Berlendis, Emanuela De Juli, Salvatore Battaglia, Andrea Gramegna, Francesco Amati, Martina Contarini, Cecilia Calabrese, Valentina Conio, Vittoria Comellini, Nunzio Crimi, Angelo Corsico, Paola Faverio, Sebastian Ferri, Carla Galeone, Francesco Menzella, Stefano Nava, Pierluigi Paggiaro, Nicola Scichilone, Maurizio Dottorini, Rosa Di Matteo, Meridiana Dodaj, James D Chalmers, Giovanni Sotgiu, Francesco Blasi
-
- PA2674 Etiology, clinical, radiological and microbiological profile of patients with non-CF bronchiectasis in Pakistan.A single center study.**
Nadia Sharif (Karachi, Pakistan), Mirza Saifullah, Nisar Rao
-
- PA2675 Effect of prior year pulmonary exacerbation (PE) frequency on response to ARD-3150 in patients with non-cystic fibrosis bronchiectasis (NCFB) chronically infected with Pseudomonas aeruginosa (PA)**
James D. Chalmers (Dundee (Angus), United Kingdom), Bruce Thompson, Juergen Froehlich, Angela Davis, Janice Dahms, David Cipolla, Igor Gonda
-
- PA2676 The heterogeneity of bronchiectasis patient characteristics, management and outcomes across Europe: Data from the EMBARC registry**
James D. Chalmers (Dundee (Angus), United Kingdom), Eva Polverino, Francesco Blasi, Felix Ringshausen, Anthony De Soyza, Montse Vendrell, Pieter Goeminne, Wim Boersma, Charles Haworth, Marlene Murriss, Adam Hill, Michael Loebinger, Rosario Menendez, Antoni Torres, Katerina Dimakou, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti
-
- PA2677 ABPA screening in bronchiectasis: is there a grey zone?**
Paola Faverio (Limbiate (MI), Italy), Giulia Bonaiti, Anna Stainer, Federica De Giacomi, Stefano Zucchetti, Bruno Dino Bodini, Francesco Bini, Alberto Pesci

- PA2678** **Impact of Inflammatory bowel disease in bronchiectasis (IBD-BR) data from the EMBARC registry**
Anthony De Soyza (Newcastle-upon-Tyne, United Kingdom), James Chalmers, Dimakou K, Adam Hill, Michael Loebinger, Rosario Menendez, Francesco Blasi, Felix Ringshausen, Montserrat Vendrell, Pietr Goeminne, Wim Boersma, Antoni Torres, Tobias Welte, Rob Wilson, Charles Haworth, Marlene Murriss, Eva Polverino, Stefano Aliberti
- PA2679** **Factors associated with the need of intravenous antibiotics in a cohort of adult patients with non-CF bronchiectasis**
Caroline McKerr (Bristol (Avon), United Kingdom), Adam Massey, Geraldine Lynch, Nabil Jarad
- PA2680** **Etiology of 1805 adult patients with bronchiectasis in western China**
Bicui Liu (Chengdu, China), Dan Wang, Chuntao Liu, Jian Luo, Tingxuan Huang, Binmiao Liang, Xiaohu Wang, Dan Yang
- PA2681** **Cross-sectional comparison of the bronchiectasis-specific quality of life questionnaires**
Arietta Spinou (London, United Kingdom), Georgie Housley, Surinder S Biring, Robert Wilson, Michael R Loebinger
- PA2682** **Robustness of assessment of pulmonary endpoints in phase 3 trials with ARD-3150 in non-cystic fibrosis bronchiectasis (NCFB) patients with chronic Pseudomonas aeruginosa (PA) infections**
Angela Davis (Durham, United States of America), Anne O'Donnell, Juergen Froehlich, Bruce Thompson, Janice Dahms, David Cipolla, Igor Gonda, Charles Haworth
- PA2683** **Is there a relationship between adventitious respiratory sounds and disease severity in patients with bronchiectasis? A cross-sectional study.**
Iciar Tobajas-Sagaste (Ejea de los Caballeros, Spain), Marina Francín-Gallego, Marta San Miguel-Pagola, Juan Antonio Saez-Perez, Beatriz Herrero Cortina

TP-21

Session 282

12:50 - 14:40

Thematic poster: Challenges in tuberculosis care

Disease(s) : Airway diseases Respiratory critical care Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Surgery Epidemiology Public health Cell and molecular biology
Physiology General respiratory patient care

Chairs : Inês Tavares Ladeira (Vila Nova de Gaia, Portugal), Heinke Kunst (London, United Kingdom), Dumitru Chesov (Chisinau, Republic of Moldova), João Henrique Cordeiro Da Costa (Leiria, Portugal)

- PA2684** **Routine liver function test monitoring of patients treated for active M.TB infection does not influence management: A real-world retrospective study**
Eshrina Gosal (Nottingham, United Kingdom), Amanda Goodwin, Vidya Navaratnam, Lois Dexter, Anna L Rich
- PA2685** **How does arginine effect on the course of tuberculosis? Experimental trial**
Igor Medvinskiy (Yekaterinburg (Sverdlovsk), Russian Federation), Iliia Diachkov, Elena Sabadash, Sergey Skorniyakov, Vyacheslav Kotomtsev, Vladimir Pavlov, Elena Ivanchikova
- PA2686** **Determinants of lymph node resolution in patients of tubercular lymphadenitis treated with anti tuberculous chemotherapy.**
Alkesh Khurana (Bhopal (Madhya Pradesh), India), Vikas Gupta, Deepti Joshi, Abhishek Goyal, Kamendra Pawar, Abhijit Pakhare
- PA2687** **Mycobacterium tuberculosis resistance profiles in index and secondary TB cases from the same household**
Elena Chesov (Chisinau, Republic of Moldova), Greta Balan, Nelly Ciobanu, Dumitru Chesov, Valeriu Crudu
- PA2688** **Improved Concordance Between Anti-TB Prescriptions and Treatment Guidelines by Expert Prescription Review in Taiwan**
Meng-Jer Hsieh (Taipei, Taiwan), Yi-Wen Huang, Ying-Huang Tsai, Jia-Yih Feng, Wei-Juin Su
- PA2689** **Precision medicine in tuberculosis treatment – a role for pharmacogenetics?**
Maria Celeste da Silva Alcobia (Coimbra, Portugal), Luis Nogueira, Miguel Villar, Carlos Robalo Cordeiro, Carlos Fontes Ribeiro, Fernando Regateiro, Henriqueta Coimbra Silva
- PA2690** **EFFICACY OF SENSITIVE TUBERCULOSIS TREATMENT WITH MALABSORPTION SYNDROM DURING IV ADMINISTRATION OF ANTI-TUBERCULOSIS DRUGS**
Lilia Todoriko (Chernivtsi, Ukraine), Olena Podverbetskaya, Nikolay Gumenyuk, Mihaylo Kuzhko, Igor SemiAniv, Oleksiy Denisov, Tetiana Sprynsian, Inga Eremenchuk
- PA2691** **Lymph node tuberculosis: Criteria for cure and optimal duration of treatment**
Sofiane Alihalassa (El-Madina Alager, Algeria)
- PA2692** **Vitamin D levels in patients with active TB: Is it clinically relevant?**
Madeleine L B Jacobs (Nottingham, United Kingdom), Eshrina Gosal, Amanda Goodwin, Vidya Navaratnam, Lois Dexter, Anna L Rich

- PA2693 TREATMENT OUTCOME OF THE RETREATMENT TUBERCULOSIS PATIENTS UNDER TUBERCULOSIS CONTROLE PROGRAMME IN A TB ENDEMIC PART OF INDIA**
Ashwini Kumar Mishra (GORAKHPUR (UTTAR PRADESH), India), Praveen Bahadur Gautam, Santosh Kumar
- PA2694 Fixed-dose combination antituberculosis therapy: is the INH dose adapted for the Tunisian population?**
Achraf Ben Tkhayat (Ariana, Tunisia), Soumaya Ben Saad, Hafaoua Daghfous, Fatma Tritar
- PA2695 Effectiveness of REBT psychotherapy approach on reducing cognitive distortions in tubercular patients**
Mitra Safa (TEHRAN, Islamic Republic of Iran), Payam Tabarsi, Fatemeh Ghassem Boroujerdi, Bamdad Mirab Zadeh Ardekani, Farzaneh Haji Zadeh
- PA2696 Management of bronchopleural fistulas after pneumonectomy in tuberculosis patients by means of vascular occluders**
Alexander Bazhenov (Ekaterinburg, Russian Federation), Igor Motus, Igor Medvinsky, Anna Tsvirenko, Rauf Basyrov, Lev Kardapoltsev, Petr Holniy, Ivan Dotsenko, Sergey Skorniyakov
- PA2697 High incidence of new onset joint pain in patients receiving fluoroquinolones as part of anti-tuberculous treatment**
Neha Agrawal (Indore (Madhya Pradesh), India), Tejashree Lele, Preyas J Vaidya, Vinod Chavhan, Anne Taegtmeier, Joerg Leuppi, Prashant N Chhajed
- PA2698 Function of the thyroid gland in patients with tuberculosis**
anzhela polyakova (Moscow, Russian Federation), Tatev Bagdasaryan, Marina Burakova, Alexey Tihonov, Ergeshov Atadzhan, Romanov Vladimir
- PA2699 Manifestations of hypersensitivity to anti-tuberculosis drugs**
Yacine Benbetka (Alger, Algeria), Souad Souilah, Aziza Fissah
- PA2700 Frequency of adverse reactions to first-line anti-tuberculosis chemotherapy in patients with relapse(RTB)and newly diagnosed tuberculosis(NDTB)**
Dmytro Butov (Kharkiv, Ukraine), Mykhailo Kuzhko, Ganna Stepanenko, Tetiana Butova
- PA2701 Diagnosis and treatment of tuberculosis: what place is left for thoracic surgery?**
Sarra Zairi (Tunis, Tunisia), Sabrine Louhaichi, Amira Dridi, Mehdi Abdennadher, Hazem Zribi, Hafaoua Daghfous, Emna Brahem, Aida Ayadi, Sonia Ouerghi, Fatma Tritar, Faouzi Mezni, Adel Marghli
- PA2702 Particular features of resumption of working capacity after resection of lungs in patients with destructive tuberculosis of lungs revealed for the first time**
Yaroslav Voloshyn (Kyiv, Ukraine), I. Kalabukha
- PA2703 Evaluation of hormones in the menstrual cycle of women with pulmonary tuberculosis**
T. A. Aswathy (Thrissur (Kerala), India), Gopal Purohit, Sunil Vyas

TP-22

Session 283

12:50 - 14:40

Thematic poster: Tuberculosis comorbidities

Disease(s) : Respiratory infections Airway diseases Thoracic oncology Respiratory infections

Method(s) : Imaging Endoscopy and interventional pulmonology Epidemiology Public health Physiology General respiratory patient care

Chairs : Ana Ciobanu (Chisinau, Republic of Moldova), Cécile Magis-Escurra (Nijmegen, Netherlands), Ana Castro (Madail - Oliveira de Azemeis, Portugal), Dennis Falzon (Genève, Switzerland)

- PA2704 Immunodiagnosics of tuberculosis at the advanced stage of HIV-infection**
Artem Dudchenko (Zelenograd, Russian Federation), Mikhail Averbakh, Natalia Karpina, Atajan Ergeshov
- PA2705 Results of TB prophylactics and early detection in HIV-positive people in Moscow, Russia**
Evgeny Belilovskiy (Moscow, Russian Federation), Elena Bogorodskaya, Michael Sinitsyn, Sergey Borisov, Ludmila Ausheeva
- PA2706 To determine the occurrence and natural fate of Immune reconstitution inflammatory syndrome(IRIS) in Human immunodeficiency virus(HIV)negative patients of extra pulmonary tuberculosis(EPTB)**
Darshan Kumar Bajaj (LUCKNOW (UTTAR PRADESH), India), Surya Kant, Abhishek Dubey, Jyoti Bajpayi, Mona Asnani
- PA2707 Totally implantable central venous access device in the treatment of patients with multi- and extensively drug-resistant tuberculosis co-infected with human immunodeficiency virus and with history of illicit drug use.**
Aliaksandr Skrahin (Minsk, Belarus), Mikalai Makouski, Dmitry Pechinsky, Kiril Dobysh, Hanna Hlushanina, Animesh Sinha, Alena Skrahina

- PA2708 Results of treatment of patients with pulmonary tuberculosis combined with HIV infection and hepatitis**
Tatiana Ivanovna Morozova (Saratov (Saratov Oblast), Russian Federation), Tatiana Salina
-
- PA2710 Tuberculosis treatment outcomes in HIV co-infected patients in Novokuznetsk, Russian Federation**
Vera Nikolaevna Zimina (Moscow, Russian Federation), Irina Viktorova, Alexey Kravtchenko, Arkadiy Khanin
-
- PA2711 Impact of diabetes mellitus on MDR-TB outcome**
Lesnic Evelina (Chisinau, Republic of Moldova), Alina Malic, Adriana Niguleanu, Veronica Maximovici
-
- PA2712 Impact of diabetes mellitus on pulmonary tuberculosis clinical presentation and treatment outcomes**
Belma Paralija (Sarajevo, Bosnia and Herzegovina), Aida Mujakovic
-
- PA2713 The impact of diabetes mellitus(DM) on adverse events related to tuberculosis(TB) chemotherapy(ATT): Retrospective cohort study at the National Hospital of Respiratory Diseases, Sri Lanka**
Amila Rathnapala (Minuwangoda, Sri Lanka), Damith Rodrigo, Dhanusha Punyadasa, Wijitha Senaratne
-
- PA2714 The impact of diabetes and pre diabetes on the sputum smear conversion in tuberculosis: Retrospective cohort study at the National Hospital of Respiratory Diseases, Sri Lanka**
Amila Rathnapala (Minuwangoda, Sri Lanka), Damith Rodrigo, Wijitha Senaratne, Dhanusha Punyadasa
-
- PA2715 Cytomegalovirus infection in patients with lung tuberculosis**
Alexey Shibanov (Moscow, Russian Federation), Vladimir Stakhanov, Natalia Karazhas
-
- PA2716 Association lung function disorders and the respiratory muscles strength in patients with tuberculosis (TB) and COPD**
Larisa Kiryukhina (St. Petersburg, Russian Federation), Vera Sysoeva, Nina Denisova, Natalia Nefedova, Liudmila Archakova, Piotr Yablonskii
-
- PA2717 Matrix Metalloproteinases (MMPs) in patients with pulmonary tuberculosis (PT) and comorbid COPD**
Diljara Esmedyeva (St. Petersburg, Russian Federation), Larisa Kiryukhina, Marina Dyakova
-
- PA2718 Adenosine deaminase in the COPD pathogenesis in patients with pulmonary tuberculosis**
Larisa Kiryukhina (St. Petersburg, Russian Federation), Marina Dyakova, Diljara Esmedyeva
-
- PA2719 Active tuberculosis and lung cancer: a 6-year retrospective study**
Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Miguel Afonso, Filipa Ferro, Ana Cysneiros, Teresa Mourato, Alexandre C Gomes, Conceição Gomes, Ana Tavares E Castro
-
- PA2720 Lung cancer and TB incidence evolution in Portugal**
Margarida Souto Vargas-Castanho (Lisboa, Portugal), Sara Cerqueira, Marta Sousa, Marta Gomes, Rita Gaio, Raquel Duarte
-
- PA2721 Diagnosis of chronic pulmonary aspergillosis (CPA) complicating pulmonary tuberculosis by chest X-ray**
Iain Page (Manchester (Greater Manchester), United Kingdom), Rosemary Byanyima, Sharath Hosmane, Nathan Onyachi, Cyprian Opira, John Opwonya, Malcolm Richardson, Richard Sawyer, Anna Sharman, David Denning
-
- PA2722 Diabetes, body mass index, and risk of active tuberculosis**
Avril Soh (Singapore, Singapore), Cynthia Chee, Yee-Tang Wang, Woon-Puay Koh
-
- PA2723 Tuberculosis in the very elderly – clinical presentation and treatment outcomes**
Miguel Frederico Baia Afonso (Oeiras, Portugal), Filipa Ferro, Joana Carvalho, Ana Cysneiros, Ana Tavares E Castro, Teresa Mourato, Alexandre C Gomes, Conceição Gomes

TP-23

Session 284

12:50 - 14:40

Thematic poster: Groups who are susceptible to tuberculosis: children, pregnant women and elderly people

Disease(s) : Respiratory infections Airway diseases Respiratory infections

Method(s) : Imaging Surgery Cell and molecular biology Epidemiology Respiratory intensive care Public health General respiratory patient care

Chairs : Aysegul Fusun Öner Eyübo lu (Ankara, Turkey), Mateja Jankovic Makek (Zagreb, Croatia), Keertan Dheda (Cape Town, South Africa), Folke Brinkmann (Hannover, Germany)

- PA2724 Role of high resolution computed tomography in childhood tuberculosis diagnosis**
Elena Lupu (Chisinau, Republic of Moldova), Stela Kulcitkaia, Constantin Iavorschi, Nadejda Pisarenco, Victor Cebotari
-
- PA2725 Lymph-node puncture benefits in ganglionar childhood tuberculosis**
Besma Hamdi (Manouba oued ellil, Tunisia), Serry Jdidi, Hajer Kchok, Iness Moussa, Jamel Ammar, Anissa Berraies, Agnes Hamzaoui

- PA2726 Clinical and epidemiological features of respiratory morbidity in children with latent tuberculosis infection in the Republic of Moldova**
Iavorschi Constantin (Chisinau, Republic of Moldova), Irina Sincarenco, Ana Moscovciuc, Valentina Bolotnikova
- PA2727 MAIT and Tuberculosis in children : a different behavior from adults.**
Véronique Houdouin (Paris, France), Ghada Ben Youssef, Lianna Ghazarian, Veronique Durey, Clara Malka, Albert Faye, Sophie Caillat-Zucman
- PA2728 Clinical-laboratory profile of children and adolescents who performed the Rapid molecular-TB test (TRM-TB) in Rio de Janeiro**
Rafaela Baroni Aurilio (Rio De Janeiro (RJ), Brazil), Maria De Fátima Bazhuni Pombo March, Clemax Couto Sant Anna, Thania Andrade, Afranio Kritskia, Thiago Malaquias
- PA2729 The dynamics of tuberculosis incidence and diagnostics of latent tuberculosis infection in children of Ukraine.**
Olga Bilogortseva (Kyiv, Ukraine)
- PA2730 Use of the Recombinant Tuberculosis Allergen in the Early Diagnosis of Tuberculosis in Paediatric Patients**
Tatiana Ivanovna Morozova (Saratov (Saratov Oblast), Russian Federation), Elena Alexandrova
- PA2731 The role of molecular genetic studies of resected samples for M. tuberculosis in children after TB surgery**
Irina Petrakova (Moscow, Russian Federation), Marina Gubkina, Elena Larionova, Natalya Yukhimenko
- PA2732 Children with TB treated in the one clinic for childhood TB in Sofia – Bulgaria for the period 2013-2017**
Svetlana Velizarova (Sofia, Bulgaria), Natalia Gabrovska, Maria Paskova
- PA2733 The role of immunological tests in the diagnosis of tuberculosis infection in children with juvenile idiopathic arthritis (JIA)**
Ludmila Shovkun (Rostov-on-Don, Russian Federation), Valentina Aksenova, Dmitry Kudlay, Alexey Sarichev
- PA2734 TB detection in children in Moscow (Russia) as in low TB incidence region**
Evgeny Belilovskiy (Moscow, Russian Federation), Valentina Aksenova, Tatyana Sevostyanova, Sergey Borisov, Ludmila Slogodskaya, Luiza Shamuratova
- PA2735 The Efficacy of Screening for Tuberculosis Infection in Paediatric Population in the Republic of Tatarstan**
Aleksey Alekseev (Kazan, Russian Federation), Ramziya Fatykhova
- PA2736 The characteristics of TB processes in children exposed to household TB**
Yulia Khokhlova (Moscow, Russian Federation)
- PA2737 Evaluation of Tuberculin skin test size and risk of tuberculosis in children household contact**
Besma Hamdi (Manouba oued ellil, Tunisia), Moussa Ines, Louhaichi Sabrina, Ammari Sarra, Ben Jemai Emna , Ammar Jamel, Berraies Anissa, Hamzaoui Agnes
- PA2738 Latent tuberculosis in healthy children**
Larissa Gorbach (Minsk, Belarus)
- PA2739 Tuberculosis in pregnant and postpartum women.**
Svetlana Goponiako (Gomel, Belarus), Irina Buynevich, Dmitriy Ruzanov
- PA2740 Particularities of tuberculosis in pregnant women**
Oxana Sili (Chisinau, Republic of Moldova), Valentina Vilc
- PA2741 Clinical, radiological, évolutive and génétic aspect of pulmonary tuberculosis(PT) in the erderly subject without comorbidities.**
Yacine Benbetka (Alger, Algeria), Karim Saadi, Aziza Fissah
- PA2742 Tuberculosis in elderly patients**
Cristian Cojocar (Iasi, Romania), Constantin Cristian Grigoras, Elena Cojocar, Adriana Grigoras

TP-24

Session 285

12:50 - 14:40

Thematic poster: Pulmonary tuberculosis: long term complications, rehabilitation and challenges

Disease(s) : Respiratory infections Airway diseases Respiratory critical care Sleep and breathing disorders Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Physiology Public health Cell and molecular biology Imaging
Epidemiology General respiratory patient care

Chairs : Alena Skrahina (Minsk region, Belarus), Graham H. Bothamley (London, United Kingdom), Sergey Evgenievich Borisov (Moscow, Russian Federation)

- PA2743** **Chronic pulmonary aspergillosis in patients with post-tuberculosis bronchiectasis**
Oxana Munteanu (Chisihau, Republic of Moldova), Irina Volosciuc, Eugenia Scutaru, Victor Botnaru
-
- PA2744** **Predictive factors of sequelae among Tunisian patients treated for pulmonary tuberculosis.**
Meriem Mjid (Tunis, Tunisia), Safa Ben Khaled, Abir Hedhli, Sonia Toujani, Amir Taboubi, Azza Slim, Sana Cheikh Rouhou, Yacine Ouahchi, Samira Merai
-
- PA2745** **Post tuberculosis sequelae in patients treated for tuberculosis: An observational study at a tertiary care center of a high TB burden country**
Maryam Gohar Ali (Hyderabad (Sindh), Pakistan), Zubair Syed Muhammad, Talha Shahzad, Afshan Yaseen, Muhammad Irfan
-
- PA2746** **Long term sequelae of pulmonary tuberculosis and the factors predicting its development: A clinicoradiological study**
Jayamol Revendran (Navi Mumbai (Maharashtra), India), Kalpita Patil, Girija Nair, Abhay Uppe, Viral Nanda, Sayli Sawant, Abhishek Nuchin
-
- PA2747** **Clinical manifestation and pulmonary function test after post tuberculosis treatment**
Abolfazl Mozaffari (qom, Islamic Republic of Iran), Abolfazl Mozaffari (Tehran, Islamic Republic of Iran)
-
- PA2748** **Post-Tuberculosis Bronchiectasis in India: Outcomes of the Indian EMBARC Registry**
Deesha Ghorpade (Pune (Maharashtra), India), Sheetu Singh, Deepak Talwar, Sagar Chandrashekariah, Surya Kant, Rajesh Swarnakar, Srinivas Rajagopala, George D'Souza, Padmanabhan Arjun, Archana Baburao, P.A. Mahesh, Sonali Trivedi, Babaji Ghewade, Aditya Jindal, Girija Nair, Gayathri Devi H.J, Kripesh Sarmah, Honney Sawhney, Kaushik Saha, Arjun Khanna, Samir Gami, Anantharaj Suresh, Arpan Shah, Naveen Dutt, Arti Shah, Himanshu Garg, Sunil Vyas, K Venugopal, Rajendra Prasad, Saurabh Karmakar, Virendra Singh, Shubham Sharma, Shivani Saxena, Preethi Vasudev, B.S Jayaraj, Rahul Kungwani, Akanksha Das, Palak Shah, Anshul Mangla, Nikita Jajodia, Harsh Saxena, Sapna Madas, Sneha Limaye, Sundeep Salvi, Stefano Alberti, James Chalmers, Raja Dhar
-
- PA2749** **Pulmonary function and Quality of Life in patients with treated smear positive pulmonary tuberculosis at three tuberculosis clinics in Nairobi, Kenya**
Peter Ngaruiya Mugo (Nairobi, Kenya), Jared Mecha, Chakaya Muhwa
-
- PA2750** **Assessment of lung functions in patients of pulmonary tuberculosis (PTB) after completion of their anti-tubercular medication**
Gaurav S.N. Gupta (Ashok Nagar (Madhya Pradesh), India), A.S Chitnis
-
- PA2751** **Prevalence of lung function impairment (LFI) and assessment of exercise tolerance in cured pulmonary tuberculosis patient (pTB) in Cotonou (Benin)**
Arnauld Attannon Fioqbe (Cotonou 02, Benin), Gildas Agodokpessi, Chantale Raheison, Olivier Marcy
-
- PA2752** **LAMA increases pulmonary lung functions in post-tuberculous destroyed lung patients**
Ji Hye Kim (Daejeon, Republic of Korea), In-Beom Jeong, Ji-Woong Son, Mun-Jun Na, Sun-Jung Kwon
-
- PA2753** **Atypical locations of tuberculosis in a pulmonary diagnostic center in Portugal**
Margarida Pimenta Queiroz Valério (Abrantes, Portugal), Denny Marques Rodrigues, Eunice Dias, Paulo Cravo Roxo, Catarina Ferreira
-
- PA2754** **Extrapulmonary Tuberculosis: 21 Patients at Western Visayas Medical Center DOTS Clinic, Philippines (January 2016 to December 2017)**
Fel Angelie Colon (Iloilo City, Philippines)
-
- PA2755** **Retrospective study of abdominal tuberculosis without pulmonary involvement: a difficult to diagnose form of extrapulmonary tuberculosis**
Ana Santos Dornellas Cysneiros (Lisboa, Portugal), Miguel Afonso, Filipa Ferro, Joana Carvalho, Teresa Mourato, Alexandre Gomes, Conceicao Gomes, Ana Castro
-
- PA2756** **Prevalence of positivity of CBNAAT (cartridge based nucleic acid amplification test) in extra-pulmonary tuberculosis.**
Mahesh Gupta (Rohtak (Haryana), India), Gopal Purohit, Sunil Vyas
-
- PA2757** **Neutrophil-predominant effusion as a predictive factor for outcome in tuberculous pleurisy**
Kanako Katayama (Sakai city, Japan), Kazunari Tsuyuguchi, Yu Kurahara, Takehiko Kobayashi, Naoko Takeuchi, Toru Arai, Yoshikazu Inoue, Katsuhiko Suzuki
-
- PA2758** **Differentiating tuberculous pleuritis from other exudative lymphocytic pleural effusions**
Pichaya Petborom (Nakhon Nayok, Thailand), Bothamai Dechates, Panunat Muangnoi
-
- PA2759** **Diagnostic Utility of Closed Needle Pleural Biopsy in Exudative Pleural Effusions**
Sameer Bansal (Navi Mumbai (Maharashtra), India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi

PA2760 Use of pleural fluid interferon-gamma enzyme-linked immunospot (ELISPOT) assay in the evaluation of undiagnosed pleural effusion

Zia Hashim (Lucknow (Uttar Pradesh), India), Alok Nath, Vikas Agarwal, Ravi Mishra

PA2761 Diagnostic performance of interferon-gamma release assay for tuberculous pericarditis: A systematic review and meta-analysis

Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Tae Hwa Kim, Doo Soo Jeon, Seung Eun Lee, Seong Hoon Yoon, Hye Ju Yeo

PA2762 Yield of sputum AFB smear, gene xpert & sputum culture of MTB in biopsy proven Pleural Tuberculosis.

Kamran Khan (Karachi, Pakistan), Nadeem Rizvi

TP-25

Session 286

12:50 - 14:40

Thematic poster: Lung cancer: new tools for diagnosis and patient assessment**Disease(s) :** Thoracic oncology Respiratory infections Respiratory infections**Method(s) :** Cell and molecular biology General respiratory patient care Imaging Surgery Endoscopy and interventional pulmonology**Chairs :** Matthew Evison (Manchester, United Kingdom), Amadea Heitmann (London, United Kingdom), Konstantinos Tzimopoulos (Athens, Greece)**PA2763 Cardiopulmonary Exercise Test parameters as predictors of postoperative morbidity in lung cancer surgery**

Ana Maria Fortuna Gutierrez (Barcelona, Spain), Marta Lenczewska, J.C. Trujillo Reyes, Elizabeth Martinez Tellez, Nuria Calaf Sordo, Pilar Morós Garcés, M.D. Luque Toro, J. Belda Sanchis, Mercé Mayos Pérez

PA2764 Preoperative evaluation of patients undergoing lung resection using cardiopulmonary exercise testing in predicting postoperative respiratory complications

Alice Tašková (Praha 84, Czech Republic), Marie Drösslerová, Vladislav Hytych, Martina Vašáková

PA2765 Prognostic role of PET/CT in surgically treated pN0-1 Non-Small-Cell Lung Cancer

Irina Zemtsova (Saint Petersburg, Russian Federation), Andrey Petrov, Michael Atiukov, Marina Tlostanova, Piotr Yablonski

PA2766 Incidental findings in Positron Emission Tomography - Computed Tomography for Lung Cancer Assessment

Sabrina Black (London, United Kingdom), Tom Nicholson, James Tadjkarimi, Krista Adelman, Chris Wathen

PA2767 Diagnostic accuracy of flexible bronchoscopy for lung cancer diagnosis in an expert center

Laurent Mhanna (Toulouse, France), Nicolas Guibert, Julien Mazieres, Alain Didier, Gavin Plat, Christophe Hermant

PA2768 Core needle biopsy in malignant pulmonary lesions

Cristina María Carrasco Carrasco (SEVILLA, Spain), Jorge Lima Alvarez, Angela Reina Gonzalez, Alberto Beiztegui Sillero, Nicolás Peña Griñán

PA2769 Feasibility study of cryobiopsy for practical pathological diagnosis including immunohistochemical assessment of primary lung cancer

TOMOKI NISHIDA (Chigasaki, Kanagawa Pref., Japan), Yuji Matsumoto, Midori Tanaka, Toshiyuki Nakai, Yuichiro Ohe, Shun-Ichi Watanabe, Noriko Motoi

PA2770 An 8 year- review of granulomatous inflammation in EBUS samples- common in sarcoidosis, rare but identified in the setting of cancer where FDG uptake can be observed on PET scanning.

Cathal Tobin-O'Brien (Clonmel, Ireland), Stephen Skehan, Niall Swan, Marie McNally, Marcus Butler, Aurelie Fabre

PA2771 A promising tool for T-staging of lung cancer: Is convex probe endobronchial ultrasound better than computerized tomography in determining invasion of mediastinal and hilar vessels?

Ibrahim Onur Alici (İZMİR, Turkey), Seher Susam, Melike Yuksel Yavuz, Eda Bayramic, Filiz Guldaval, Ceyda Anar, Ahmet Ucvet, Melih Buyuksirin

PA2772 Systematic staging through endobronchial ultrasound-guided transbronchial needle aspiration compared with targeted staging in patients with non-small cell lung cancer.

Leire Mendiluce Ochandorena (BARCELONA, Spain), Pere Serra Mitjà, Jose Sanz Santos, Anabel Moreno García, Carmen Centeno Clemente, Mohamed Torkey, Sonia Baeza, Filipe Carvalho, Felipe Andreo García, Jorge Abad Capa

PA2773 Comparison of endobronchial ultrasound-guided transbronchial needle aspiration and positron emission tomography standard uptake values in mediastinal or hilar lymph node evaluation in benign, granulomatous and malignant disease

Nazan Bayram (Gaziantep, Turkey)

- PA2774** Does a “first sample into the pot” methodology improve the yield to enable molecular testing on samples obtained by EBUS?
Jenny Messenger (Brighton (Brighton and Hove), United Kingdom), Lukas Kalinke, Emma Short, Sarah Doffman, Mark Howard
- PA2775** Molecular analysis of peripheral lung adenocarcinoma in brush cytology obtained by endobronchial ultrasound plus fluoroscopy-guided
Roberto Chalela (Barcelona, Spain), Clara Martin Ontiyuelo, Lara Pijuan Andujar, Raquel Albero Gonzalez, Beatriz Bellosillo Paricio, Alba Dalmases Masegu, Raquel Longaron Rozalen, Victor Curull Serrano, Albert Sanchez Font
- PA2776** Transbronchial sampling for pulmonary metastasis used by new middle-range bronchoscope with large channel
Shinji Sasada (Tokyo, Japan), Yuji Matsumoto, Morio Nakamura
- PA2777** The role of EBUS-TBNA in genetic phenotype determination at adenocarcinoma cases
Benan Caglayan (Istanbul, Turkey), SEVDA COMERT, Sinem Iliaz, Ömer Zengin, Pınar Bulutay, Nagehan Barışık
- PA2778** Risk factors for infectious complications after endobronchial ultrasound guided transbronchial biopsy
Tomohide Souma (Nagoyashi, Japan), Tomoyuki Minezawa, Takuya Okamura, Tomoya Horiguchi, Sayako Morikawa, Yasuhiro Goto, Masamichi Hayashi, Sumito Isogai, Masashi Kondo, Kazuyoshi Imaizumi
- PA2779** Prognostic Impact of Extracapsular Lymph Node Invasion on Survival in non-Small-cell Lung Cancer: a Systematic Review of Medline and Meta-analysis>
Seyed Vahid Tabatabaei (Euskirchen, Germany), Christoph Nitche, Maximilian Michel, Kurt Rasche, Khosro Hekmat
- PA2780** The Effect on Chest Tube Drainage of Postoperative Prophylactic Enoxaparin in Patients with Non-small Cell Lung Cancer
Ferdane Melike Duran (Konya, Turkey), Hıdır Esmé, Atilla Can
- PA2781** A comparative study of conventional cytology and cell block method in the diagnosis of malignant pleural effusion.
abdmouleh khoulood (Sfax, Tunisia), Hamdi Besma, Ben Bdira Baraa, Moussa Ines, Ben Jemia Emna, Ammari Sarra, Ammar Jamel, Berraies Anissa, Hamzaoui Agnés

TP-26

Session 287

12:50 - 14:40

Thematic poster: Lung cancer: novel prognostic markers and scores

Disease(s) : Thoracic oncology

Method(s) : Epidemiology Surgery General respiratory patient care Cell and molecular biology

Chairs : David Baldwin (Nottingham (Nottinghamshire), United Kingdom), Ilona Rousalova (Praha, Czech Republic), Fernando Gamarra (Straubing, Germany), Chair to be confirmed

- PA2782** Limited role of Ki-67 in lung carcinoid tumor patients predicting overall short-term survival, A single institution experience
Kristina Krpina (Strmec Samoborski, Croatia), Suzana Kukulj, Bernard Budimir, Gordana Drpa, Lela Bitar, Fran Seiwerth, Blanka Čuk, Ante Marušić, J. Josip Grah, Marko Jakopović, Miroslav Samaržija
- PA2783** Downregulation of Thyroid transcription factor 1 in lung adenocarcinoma: the prognostic impact
Nidia Pestana Cairés (Funchal, Portugal), Margarida Castanho, Direndra Hasmucrai, Encarnacao Teixeira, Ana Sofia Vilarica, Paula Alves, Renato Sotto-Mayor
- PA2784** Prognostic and potential therapeutic impact of prostate specific membrane antigen expression in non-small cell lung cancer
Rainer G. Wiewrodt (Münster, Germany), Lars Henning Schmidt, Arik B. Schulze, Birthe Franziska Heitkoetter, Georg Evers, Christoph Schliemann, Konrad Steinestel, Marcel Trautmann, Alessandro Marra, Ludger Hillejan, Eva Wardelmann, Kambiz Rahbar, Dennis Goerlich, Georg Lenz, Wolfgang E. Berdel, Wolfgang Hartmann, Michael Mohr, Sebastian Huss
- PA2785** Is neutrophil/lymphocyte ratio at the time of diagnosis a valuable prognostic factor in non-small cell lung cancer?
Fatma Bodur Yildirim (Ankara, Turkey), Nurgül Sevimli, Murat Türk, Nilgün Yılmaz Demirci, Ahmet Selim Yurdakul, Can Öztürk
- PA2786** Clinical usefulness of natural killer cell activity in patients with non-small cell lung cancer
Kwang Ho In (Seoul, Republic of Korea), Sue In Choi, Seung Hyeun Lee, Sang Yeub Lee
- PA2787** Interleukine-17A implicated in survival outcome of patients with late stage lung adenocarcinoma
Yu-Chen Huang (Taoyuan, Taiwan), YU-CHEN HUANG (Taipei City, Taiwan), Chih-Ming Weng, Meng-Jung Lee, Chun-Hua Wang, Han-Pin Kuo

- PA2788 Cytotoxicity and apoptosis of alveolar lymphocytes (AL) in early clinical stage (I-IIa) of non-small cell lung cancer (NSCLC)**
Piotr Kopinski (Bydgoszcz, Poland), Joanna Golinska, Ewa Wypasek, Arkadiusz Goede, Karina Szablowska, Maciej Gnass, Kamil Brutkowski, Michał Zabczyk, Joanna Chorostowska
- PA2789 The significance of T-box transcription factor 5 and CD44s expression in NSCLC: correlation with prognostic markers.**
Eleftheria Chaini (Corfu, Greece), Anna Maria Athanassiadou, Angelos Tshipis, Maria Gonidi, Dimitra Haini, Ioannis Giannopoulos, Kyriakos Hainis, Pauline Athanassiadou
- PA2790 Role of carbohydrate metabolism abnormality in non-small cell lung cancer-related immunoparalysis**
Zsolt István Komlósi (Tarnok, Hungary), Gergő Szűcs, Éva Imre, Márton Szentkereszti, György Losonczy
- PA2791 Association of tissue inhibitor of metalloproteinases 2 and 3 polymorphisms with non-small cell Lung cancer**
Chuen-Ming Shih (Taichung, Taiwan), Yao-Ling Lee
- PA2792 Evaluation of promoter hypermethylation in tissue and blood of non-small cell lung cancer patients and association with survival.**
Ashraf Ali (New Delhi (Delhi), India), Kriti Upadhyay, Vinod Kumar Kakaria, Anant Mohan, Wajid Rafi, Kalpana Luthra, Randeep Guleria
- PA2793 The NNCI lncRNA-NKX2-1 gene duplex impacts prognosis in stage I NSCLC.**
Jorge Moisés Lafuente (Barcelona, Spain), Alfons Navarro, Sandra Santasusagna, Nuria Viñolas, José Ramirez, Gerard Frigola, Laureano Molins, Joan Josep Castellano, Sara Morales, Carmen Muñoz, Mariano Monzó, Ramón María Marrades
- PA2794 The CYP2A6 gene polymorphism in male Batakese smoker lung cancer patients and its association with nicotine dependence**
Noni Soeroso (Medan, Indonesia), Rozaimah Zain-Hamid, Bintang Ym Sinaga, Ahmad Hamid Sadewa
- PA2795 Expression analysis of miR-223 in plasma of patients with non-small cell lung cancer and other obstructive lung diseases**
Dora Marinova (Sofia, Bulgaria), Darina Kachakova, Denitsa Dimitrova, Aleksandar Lilov, Evgeni Mekov, Miroslav Mihailov, Silva Giragosyan, Yanina Slavova, Dimitar Kostadinov, Vanya Youroukova, Rossen Petkov, Atanaska Mitkova, Radka Kaneva, Vanio Mitev
- PA2796 Association of Pre-miR-rs2910164 polymorphism with non-small cell lung cancer in an Iranian population**
Esmail Mortaz (Tehran, Islamic Republic of Iran), Neda K.Dezfoli, Shamila D.Alipour, Adnan Adnan Khosravi, Johan Garssen, Ian Adcock
- PA2797 Comparative gene expression analysis in lung cancer**
Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Rafael Larrosa Jiménez, Rocío Bautista Moreno, Josefa Gómez Maldonado, José Luis De La Cruz Ríos, Laura González Álvarez, Carmen María López Rodríguez, Manuel Angel Cobo Dols, Manuel Gonzalo Claros Díaz
- PA2798 Evaluation of the Thoracic Revised Cardiac Risk Index as a prognostic factor for survival after lung cancer resection**
Teresa Diaz De Teran Lopez (Santander, Spain), Cristina Magadan Alvarez, Kimberley Lee, Pablo Lozano Cuesta, Victoria Maderuelo Garcia, Victor Mora Cuesta, David Iturbe Fernandez, Beatriz Abascal Bolado, Laura Sanchez Moreno
- PA2799 The Khorana score as a predictor of mortality in lung adenocarcinoma**
Kostas Syrigos (Athens, Greece), Ioannis Vathiotis, Andriani Charpidou, Paraskevi Boura, Sotirios Tsimpoukis, Eleni Kokkotou, Dimitra Grapsa, Evangelos Dimakakos

TP-27

Session 288

12:50 - 14:40

Thematic poster: Lung cancer: modern therapies and beyond

Disease(s) : Thoracic oncology Airway diseases Respiratory infections Interstitial lung diseases Respiratory infections

Method(s) : Surgery General respiratory patient care Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology Imaging

Chairs : Katherina Bernadette Sreter (Zagreb, Croatia), Rainer G. Wiewrodt (Münster, Germany), Katja Mohorcic (Trzic, Slovenia)

- PA2800 Ratio And Regional Distribution Of Genetic Mutation In Lung Cancer In Turkey (REDIGMA)**
Yilmaz Bülbül (Trabzon, Turkey), Neslihan Özçelik, Tefvik Ozlu, Nimet Aksel, Yurdanur Erdogan, Filiz Güldaval, Sule Karabulut Gul, Ahmet Bircan, Atilla Can, Necdet Oz, Aysegul Senturk, Sibel Arinc, Talat Kilic, Bahar Kurt, Ersin Gunay, Benan Caglayan, Derya Celebi Aydin, Ilknur Basyigit, Ismail Savas, Dursun Tatar, Sulhattin Aslan, Berna Komurcuoglu, Mehmet Bayram, Inci Gulmez, Omer Tamer Dogan, Elif Yelda Niksarlioglu, Erkan Kaba, Esra Aydin Ozgur

- PA2801 Prognosis of uncommon metastasis in non-small-cell lung cancer patients with mutated EGFR**
Akihiro Yoshimura (Kyoto, Japan), Taisuke Tsuji, Chieko Takumi, Ryosuke Hamashima, Shinsuke Shiotsu, Tatsuya Yuba, Noriya Hiraoka
- PA2802 Efficacy of Afatinib, Erlotinib, and Gefitinib on epidermal growth factor receptor (EGFR) mutant non-small cell lung cancer (NSCLC) patients with brain metastasis: a network meta-analysis**
So-My Koo (Seoul, Republic of Korea), Ki-Up Kim, Yang-Ki Kim, Soo-Taek Uh
- PA2803 Comparison of re-biopsy success rates among procedures and sequential changes of EBUS images**
Kei Morikawa (Kawasaki (Kanagawa), Japan), Takeo Inoue, Masamichi Mineshita, Teruomi Miyazawa
- PA2804 Expression status of PD-L1 in NSCLC correlates with disease extension**
Aya Yamamoto (Amagasaki, Japan), Takashi Iwata
- PA2805 Expression of PD1, COPD and lung cancer.**
Francisco Javier Verdu Rivera (, Spain), Vanesa Cunill Monjo, Maria Isabel Luna Lopez, Valero Andreu Matillas, Amanda Iglesias Coma, Jaime Pons De Ves, Alberto Alonso Fernandez, Francisco De Borja Garcia-Cosio Piqueras, Maria Cerda Moncadas, Jaume Sauleda Roig
- PA2806 Retrospective analysis of tumor programmed death-ligand 1 expression in transbronchial biopsy samples**
Hirofumi Takahashi (Sapporo, Japan), Naofumi Shinagawa, Yutaka Hatanaka, Mamoru Kunisaki, Megumi Furuta, Yuuta Takashima, Tetuaki Shouji, Hidenori Kitai, Hajime Kikuchi, Hidenori Mizugaki, Hajime Asahina, Eiki Kikuchi, Jyunko Kikuchi, Jyun Sakakibara, Yoshihiro Matsuno, Masaharu Nishimura
- PA2807 Benefit of immune checkpoint inhibitors (ICIs) for second-line treatment of advanced non-small cell lung cancer (NSCLC) using restricted mean survival time (RMST).**
Perrine Créquit (Paris, France), Alexandre Vivot, Raphael Porcher, Jacques Cadranel
- PA2808 Hyper-progressive disease in patients with advanced non-small cell lung cancer (NSCLC) treated with nivolumab (nivo)**
Adrien Costantini (Paris, France), Jennifer Corny, Vincent Fallet, Sophie Renet, Sylvie Friard, Christos Chouaid, Boris Duchemann, Etienne Giroux-Leprieur, Laurent Taillade, Ludovic Doucet, Marina Nguenang, Stephane Jouveshomme, Marie Wislez, Jean Tredaniel, Jacques Cadranel
- PA2809 Different Th1 and Th2 cytokine profile in serum and tumor microcirculation of SCLC and NSCLC patients**
Marija Karlicic (Beograd, Republic of Serbia), Vukoica Karlicic, Danilo Vojvodic
- PA2810 Pleural and systemic cytokine expression profiles in patients with lung cancer**
David Betz (Munich, Germany), Rudolf Maria Huber, Diego Kauffmann-Guerrero, Kathrin Kahnert, Sebastian Kobold, Pontus Mertsch, Rosemarie Kiefl, Marina Schaule, Julia Stump, Amanda Tufman
- PA2811 Radiographic findings after stereotactic radiotherapy for lung carcinoma: retrospective analysis of 90 patients**
Inès Menoux (Strasbourg, France), Delphine Antoni, Nicola Santelmo, Pierre Truntzer, Catherine Schumacher, Aissam Labani, Georges Noël
- PA2812 How to predict fatal pneumonitis in non-small cell lung cancer (NSCLC) patients treated with radiotherapy (RT)**
Jaume Bordas Martinez (barcelona, Spain), Cristina Martin Cabeza, Susana Padrones Sanchez, Ramon Palmero Sanchez, Ernest Nadal Alforja, Valentin Navarro Perez, Jordi Dorca Sargatal, Arturo Navarro MartíN, Samantha Aso Gonzalez
- PA2813 Characteristics of radiation pneumonitis and lung function after curatively intended radiotherapy in non-small cell lung carcinoma**
Janna Berg (Porsgrunn, Norway), Ann Rita Halvorsen, Jon Olav Haugstvedt, May-Bente Bengtson, Odd Terje Brustugun, Åslaug Helland
- PA2814 Prognosis of non-small-cell lung cancer in patients with idiopathic pulmonary fibrosis**
Song Yi Han (Seongnam-si, Gyeonggi-do, Republic of Korea), Youlim Kim, Yeon Joo Lee, Jong Sun Park, Young-Jae Cho, Ho Il Yoon, Jae-Ho Lee, Choon-Taek Lee, Jin-Haeng Chung, Kyung Won Lee, Sang Hoon Lee
- PA2815 Pulmonary tuberculosis and lung cancer: simultaneous and sequential occurrence**
Berna Kömürçüoğlu (Izmir, Turkey), Aysen Evkan, Gulru Polat, Sevkett Dereli
- PA2816 Characterization and management of elderly and very elderly patients with non-small cell lung cancer**
Vera Cláudia Oliveira Clérigo (Lisboa, Portugal), Direndra Hasnucrai, Encarnação Teixeira, Paula Alves, Ana Vilarça, Renato Sotto-Mayor
- PA2817 Prevalence of and risk factors for pulmonary complications after lung cancer surgery in elderly patients with preserved lung function**
Yunjoo Im (Seoul, Republic of Korea), Sumin Shin, Sun Hye Shin, Hyun-Il Gil, Hyun Lee, Ho Yun Lee, Jhingook Kim, Hye Yun Park

PA2818 Clinical Features and Treatment Outcome of Carcinomatous Pericarditis due to Lung Cancer.
Yoko Kida (Kobe, Japan), Yusuke Inui, Kouki Sato, Rikiya Koketsu, Toshiyasu Sakurai, Kimihide Tada, Akihiko Ikeda, Kimio Hashimoto, Nobuyuki Katakami

PA2819 Tracheal Chondrosarcoma Masquerading as COPD
Dayle Terrington (King's Lynn (Norfolk), United Kingdom), Anshu Punjabi, Aryn Bhamani, Ajay Kamath

TP-28

Session 289

12:50 - 14:40

Thematic poster: Lung cancer: risk factors, supportive measures and quality improvement

Disease(s) : Thoracic oncology Respiratory critical care

Method(s) : Respiratory intensive care Endoscopy and interventional pulmonology Public health Epidemiology General respiratory patient care

Chairs : Anna Rich (Nottingham (Nottinghamshire), United Kingdom), Dragana M. Jovanovi (Beograd, Republic of Serbia), Wouter H. van Geffen (Leeuwarden, Netherlands), Müge Meltem Tor (Istanbul, Turkey)

PA2820 Residential radon and lung cancer risk in never smokers in a radon prone area in Spain.
María Torres-Durán (Vigo (Pontevedra), Spain), María Lorenzo Gonzalez, Isaura Parente Lamelas, Virginia Leiro Fernandez, José Abal Arca, Carmen Montero Martínez, Olalla Castro Anon, Mariano Provencio Pulla, Iria Vidal Garcia, Antonio Golpe Gómez, Cristina Martinez, Roxirys Guzman Taveras, Margarita Amenedo Gancedo, Alberto Fernandez Villar, Juan Miguel Barros Dios, Alberto Ruano Ravina

PA2821 Prospective association between sedentary lifestyle and incidence of lung cancer in Norwegian adults: the HUNT study
Lin Jiang (Trondheim , Norway), Yi-Qian Sun, Ben Michael Brumpton, Arnulf Langhammer, Yue Chen, Tom Ivar Lund Nilsen, Xiao-Mei Mai

PA2822 Anemia during lung cancer
Souad Souilah (Alger, Algeria), Nesrine Dermech, Yacine Benbetka, Nassima Djami, Karim Khennouf, Rabah Amrane, Aziza Fissah

PA2823 EFFICACY OF IRON REPLETION WITHOUT ERYTHROPOIESIS-STIMULATING AGENT IN PATIENTS WITH CHEMOTHERAPY-INDUCED ANEMIA IN LUNG CANCER
Shyam Krishnan (Kolkata (West Bengal), India), Shubham Sharma, Praveen Kumar Shahi, Gourishankar Bhattacharya, Raja Dhar

PA2824 Pegfilgrastim drastically lowered risk of febrile neutropenia in Japanese patients with thoracic malignancy receiving chemotherapy - a retrospective single institutional study
Takashi Iwata (Osaka, Japan), Aya Yamamoto

PA2825 Monitoring changes in quality of life in patients with lung cancer under treatment with chemotherapy and co administration of zoledronic acid by using specialized questionnaires
Anastasios Kallianos (Athens, Greece), Pavlos Zarogoulidis, Theodora Tsiouda, Aggeliki Rapti, Georgia Trakada, Haidong Huang, Wolfgang Hohenforst-Schmidt, Ioannis Tremmas, Chrysanthi Sardeli, Konstantinos Sapalidis

PA2826 Music prior to bronchoscopy reduces anxiety in patients with suspected lung cancer
Elisabeth Jeppesen (København, Denmark), Carsten Pedersen, Klaus Larsen, Emil Walsted, Anne Rehl, Julie Ehrenreich, Sascha Schnoor, Vibeke Backer

PA2827 Gender aspects in quality of life of lung cancer patients
Myriam Koch (Regensburg, Germany), Florian Zeman, Hjermsstad Marianne Jensen, Krzysztof Tomaszewski, Iwona Tomaszewska, Kjersti Hornslien, Amelie Harle, Juan Arraras, Ofir Morag, Cecilia Pompili, Georgios Ioannidis, Morfo Georgu, Chiara Navarra, Weichu Chie, Colin Johnson , Ayje Himpel, Thomas Bohrer, Annelies Janssens , Dagmara Kulis, Andrew Bottomley, Christian Klaus Jochen Schulz, Michael Koller

PA2828 Socioeconomic status and lung cancer pathways in southeast London: Friend or Foe?
Amadea Heitmann (London, United Kingdom), Priyanka Iyer, Haridha Pandian, Georgia Hardavella

PA2829 Time in lung cancer diagnosis and its prognostic implication
Ana Mas Esteve (Lleida, Spain), Dinora Polanco Alonso, Sandra Bertran Melines, Gemma Fierro Barrabés, Estefanía Galera Lozano, Asunción Seminario Ruíz, Guillermo Suárez Cuartin, Silvia Gómez Falguera, Manel Vilà Justrubó, Ferran Barbé Illa

PA2830 Diagnosis, treatment and doctor delays in lung cancer patients who had diagnostic fiberoptic bronchoscopy at Pamukkale University Pulmonary Diseases Clinic
Feride Marim (Artvin, Turkey), Sevin Başer Öncel, Binnaz Fatma Evyapan, Hande Şenol

PA2831 The causes of the delay in diagnosis bronchopulmonary cancer
Ioubna najah (casablanca, Morocco), Wiam Elkhatabi, Hasna Jabri, Mly Hicham Afif

- PA2832** **Delays in treatment decisions from lung cancer multi-disciplinary meetings in two centres in North-West, UK.**
Ran Wang (Manchester (Greater Manchester), United Kingdom), Ran Wang, Thomas Lightburn, Yirong Lum, Sharada Gudur, Steven Nicholas, Syed Mehdi
- PA2833** **Quality evaluation of primary care referrals to lung cancer services and their response in South London: Clinical practice in a pragmatic setting.**
Deny Tsakri (Plovdiv, Bulgaria), Ahmed Seedat, Nefeli- Loanna Paizi, Richard Turner, Georgia Hardavella
- PA2834** **Causes of Hospitalization and Mortality in Lung Cancer Patients**
Cláudia Gomes Pavão De Matos (Lisboa, Portugal), Vânia Sacramento, Margarida Felizardo, Sofia Furtado
- PA2835** **Tele-cancer: Reducing time-to-treatment for patients with lung cancer**
Ibrahim Arosi (Manchester (Greater Manchester), United Kingdom), Karl Heyes, Vee Sibanda, Ram Sundar
- PA2836** **Quality performance indicators in lung cancer; learning and reflecting on mortality data**
Georgia Hardavella (London, United Kingdom), Carla Hobart, Richard Turner, Geoffrey Warwick, Lizzie Hadley, Amadea Heitmann, Polly Edmonds
- PA2837** **Quality indicators in lung cancer care-review of resection rates in early stage NSCLC (non small cell lung cancer) at King's**
Priyanka Iyer (London, United Kingdom), Amadea Heitmann, Haridha Pandian, Carla Hobart, Georgia Hardavella
- PA2838** **When lung cancer was rare: An historical study of prevalence from 1760 .**
Luc Ollivier (Brest, France), Philippe Saliou, Olivier Pradier, Gilles Quéré, Renaud Descourt, André Smolarz, Paul Bore, Karima Cherid, Anne-Sophie Blot, Guillaume Le Bihan, Francois Sassier, Charles Orione, Ulrike Schick, Christophe Roge

TP-29

Session 290

12:50 - 14:40

Thematic poster: Lung cancer: from the bench to the bedside

Disease(s) : Thoracic oncology ■

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Chairs : Giulia Maria Stella (Pavia (PV), Italy), Daniela Xhemalaj (Tirana, Albania), Chair to be confirmed

LSC - 2018 - Tumor-derived granulocyte chemotactic protein 2 cooperates with neutrophil proteinase 3 to drive lung adenocarcinoma

Anne-Sophie Lamort (München, Germany), Stefanie A Weiß (stefanie.weiss@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Ioannis Lillis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Vasileios Armenis (vasilisarmenis91@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Kristina A M Arendt (kristina.arendt@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Mario Pepe (mario.pepe@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Laura V Klotz (laura.klotz@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Magda Spella (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Giannoula Ntaliarda (ntaliarda@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Maria Oplopoiou (moplopoiou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Katerina Kauka (katerinakauka2@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Dieter Jenne (dieter.jenne@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Georgios T Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich)

PA2839

LSC - 2018 - Nuclear factor ??-signalling drives Malignant Pleural Mesothelioma

Ioanna Giopanou (Rio (Patras), Greece), Dimitris Simoglou (dsimoglou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Patras), Marina Lianou (marina_lianou@hotmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Patras), Georgios T Stathopoulos (gstathop@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Patras)

PA2840

PA2841	Alteration patterns of tobacco carcinogens in lung adenocarcinoma reveal novel KRAS-addicted candidate oncogenes Mario Pepe (München, Germany), Francesco Pelizza, Anne-Sophie Lamort, Nikolaos I. Kanellakis, Georgios T. Stathopoulos
PA2842	Depletion of STAT6 suppresses lung cancer progression through regulating M2-macrophage polarization Cuiping Fu (, China), Shanqun Li
PA2843	Ghrelin does not influence cancer progression in a lung cancer cell line and mice with lung adenocarcinoma Hironobu Tsubouchi (Kiyotake (Miyazaki prefecture), Japan), Ayako Miura, Shigehisa Yanagi, Masamitsu Nakazato
PA2844	The influence of brown adipose tissue on the proliferation and chemosensitivity in non-small cell lung cancer cells Armin Frille (Leipzig, Germany), Hartmut Kuhn, Thomas Ebert, Hans-Juergen Seyfarth, Hubert Wirtz
PA2845	The influence of non-small cell lung cancer cells on the expression of adipokines in brown adipose tissue Armin Frille (Leipzig, Germany), Hartmut Kuhn, Thomas Ebert, Hans-Juergen Seyfarth, Hubert Wirtz
PA2846	Tissue factor induced tumor vascular infarction in lung cancer Rainer G. Wiewrodt (Münster, Germany), Lars Henning Schmidt, Caroline Brand, Janine Stucke-Ring, Saliha Harrach, Christoph Schliemann, Alessandro Marra, Ludger Hillejan, Carsten Mueller-Tidow, Georg Lenz, Eva Wardelmann, Thomas Muley, Esther Herpel, Michael Mohr, Dennis Goerlich, Michael Kreuter, Michael Thomas, Christian Schwoepe, Wolfgang Hartmann, Wolfgang E. Berdel
PA2847	Micro RNA-21 Targeting PI3K/PTEN/Akt signaling axis regulates multiple biological functions in human lung cancer Yonghua Zheng (Shanghai, China), Ding Zhang
PA2848	Specific lung cancer peptides selected by a subtractive 3D cell-phage display technology Larissa Prado Maia (Uberlandia, Brazil), Emilia Rezende Vaz, Aline Gomes Souza, Rodrigo Miquelanti Melo, Thulio Marquez Cunha, Luiz Ricardo Goulart
PA2849	Analyzing the role of proteasome activator 200 (PA200) in lung cancer Vanessa Welk (München, Germany), Thomas Meul, Christina Lukas, Deniz Bölükbas, Ina Koch, Michael Lindner, Silke Meiners
PA2850	Generation of small molecules targeting hypoxia inducible factors Yasemin Saygıdeğer (Adana, Turkey), Demet Kahraman, Sedat İlhan, Tugba Taskin Tok, Eyüp Başaran, Aysegul Iyidogan, Aykut Üren, Elcin Emre, Hasan Bayram
PA2851	Modulation of tumor-microenvironmental factors and cancer growth in co-cultures of fresh human lung tissue and patient-derived cancer cells Sebastian Konzok (HANNOVER, Germany), Susann Dehmel, Christian Werno, Peter Braubach, Gregor Warnecke, Patrick Zardo, Danny Jonigk, Olaf Pfennig, Hans-Gerd Fieguth, Bernhard Polzer, Kathrin Weidele, Christoph Klein, Armin Braun, Katherina Sewald
PA2852	Prognostic value of EGFR genotype in EGFR-mutant non-small cell lung cancer Kostas Syrigos (Athens, Greece), Ilias Kotteas, Maria Paraskeva, Ioannis Gkiozos, Paraskevi Boura, Sofia Tsagouli, Dimitra Grapsa, Andriani Charpidou
PA2853	Uncommon EGFR mutations of lung adenocarcinoma in one tertiary institution, Korea: clinical characteristics and treatment response to tyrosine kinase inhibitors Jung Hyun Chang (Seoul, Republic of Korea), Yeji Han, Yon Ju Ryu, Jin Hwa Lee
PA2854	Blocking beta adrenergic signaling may be a target for overcoming EGFR TKI resistance. Eun Young Heo (Seoul, Republic of Korea), Myungjin Lee, Jung-Kyu Lee, Deog Kyeom Kim, Hee Soon Chung
PA2855	The impact of β-blockers in non-small cell lung cancer patients treated with Epidermal Growth Factor Receptor Kinase Inhibitors, Taiwan NHIRD database study. Guin Wei Fan (Taipei, Taiwan), Chun Yu Lin
PA2856	Metformin improves survival in lung cancer patients receiving EGFR-TKIs therapy> Ming-Szu Hung (Puzi city, Taiwan), Min-Chun Chuang, Ying-Huang Tsai, Yao-Hsu Yang
PA2857	Association of antiPD1 immunotherapy with immunogenic cell death-inducing chemotherapy in a murine model of squamous cell lung cancer Mathilde Jeanvoine (Bonsecours, France), Florian Guisier, Pierre Bohn, Luc Thiberville, Mathieu Salaun
PA2858	Immune Checkpoint Inhibitors-related Interstitial Lung Disease in patients with thoracic tumors: experience of one institution Filipa Ramalho Fernandes (Alcanena, Portugal), Teresa Almodovar, Isabel Duarte, Duro Da Costa

TP-30

Session 291

12:50 - 14:40

Thematic poster: Mesothelioma and pleural malignancy: investigations and management**Disease(s) :** Thoracic oncology Respiratory infections Respiratory critical care Respiratory infections**Method(s) :** Epidemiology Surgery Physiology Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care**Chairs :** Julius P. Janssen (Nijmegen, Netherlands), Mohammed Munavvar (Preston (Lancashire), United Kingdom), Rafa Krenke (Laski, Poland), Sotirios Zarogiannis (Larisa, Greece)

- PA2859 5-hydroxymethylcytosine but not MTAP methylation status can stratify malignant pleural mesothelioma based on the lineage of origin**
Giulia Maria Stella (Pavia (PV), Italy), Matteo Bosio, Elena Salvaterra, Patrizia Morbini, Michele Zorzetto, Simona Inghilleri, Stefano Tomaselli, Patrizia Mangiarotti, Francesca Datturi, Federica Meloni, Isa Cerveri
- PA2860 In the era of personalised medicine, is pleural fluid cytology sufficient for oncological treatment?**
Rachel Mercer (Guildford (Surrey), United Kingdom), David Mccracken, Rachelle Asciak, Robert Hallifax, Maged Hassan, Eihab Bedawi, Najib Rahman
- PA2861 Targeting of CSF1R abrogates Lewis Lung adenocarcinoma-induced malignant pleural effusion**
Ioannis Kalomenidis (Athens, Greece), Sophia Magkouta, Chrysavgi Kosti, Photene Vaitsi, Apostolos Pappas, Charalampos Moschos, Marianthi Iliopoulou, Katherina Psarra
- PA2862 Treatment with Anti-VEGF and anti-EGFR in a model of malignant pleural effusion: Genic evaluation**
Lisete Ribeiro Teixeira (São Paulo (SP), Brazil), Vanessa Alvarenga, Roberta Sales, Carlos Silva, Nicole Almeida, Lucas Sousa, Ana Santos, Vera Capelozzi, Evaldo Marchi, Milena Acencio
- PA2863 Role of markers C-Reactive Protein, Procalcitonin and TREM-1 in diagnosis of infection pleural effusion**
Lisete Ribeiro Teixeira (São Paulo (SP), Brazil), Vanessa Alvarenga, Milena Acencio, Roberta Sales, Aline Silva, Jucara Silva, Carlos Silva, Evaldo Marchi
- PA2864 Water and urea transport in benign and malignant pleural mesothelial cells.**
Evgeniy Solenov (Novosibirsk, Russian Federation), Alexander Ershov, Galina Baturina, Lubov Katkova, Chrissi Hatzoglou, Konstantinos Gourgoulianis, Sotirios Zarogiannis
- PA2865 ADAM10 membrane-bound protease mediates malignant pleural mesothelioma invasiveness**
Didier Cataldo (Liege , Belgium), Christelle Sepult, Marine Bellefroid, Christine Gilles, Andreas Ludwig, Bernard Duysinx, Agnès Noel
- PA2866 Effects of 2-Deoxy-glucose with Cisplatin-Pemetrexed in mesothelioma sphere formation.**
Rajesh Jagirdar (Larissa, Greece), Irini Georgianni, Eleanna Pitaraki, Eleftherios Papazoglou, Chrissy Hatzoglou, Konstandinos Gourgoulianis, Sotirios Zarogiannis
- PA2867 Cytology, chest computed and positron emission tomography correlations in lung cancer malignant pleural effusion.**
Clement Brun (Saint-Etienne, France), Pierre Gay, Michelle Cottier, Georgia Karpathiou, Fabrice-Guy Barral, Jean-Michel Vergnon, Marios E. Froudarakis
- PA2868 Investigating unilateral pleural effusions: the role of cytology.**
David Arnold (Bristol (Avon), United Kingdom), David Arnold (, Australia), Duneesha De Fonseka, Siobhan Perry, Andrew Medford, Mary Brett, Nick Maskell
- PA2869 The use of immunocytochemistry to diagnose the etiology of malignant pleural effusion.**
Aleksy Reshetov (St. Petersburg, Russian Federation), Vasily Klimenko, Victor Novik, Oleg Ivanov, Dmitry Ermakov
- PA2870 Red cell distribution width value as a novel biomarker for exudative pleural fluid.**
Akbar Sharifi (Tabriz, Islamic Republic of Iran), Dorraji Amir
- PA2871 Differences in the pathological patterns of non-specific pleuritis (NSP).**
Georgia Karpathiou (Saint-Etienne, France), Sirine Hathroubi, Arnaud Patoir, Olivier Tiffet, Francois Casteillo, Clement Brun, Fabien Forest, Najib M. Rahman, Michel Peoc'H, Marios E. Froudarakis
- PA2872 Comparison of pleural fluid pH measurements: blood gas analyzer, pH indicator stick, litmus paper, and point-of-care testing for blood gases**
Sang-Ha Kim (Wonju, Republic of Korea), Beomsu Shin, Seok Jeong Lee, Myoung Kyu Lee, Won-Yeon Lee, Suk Joong Yong
- PA2873 Impact of a pleural pathology unit in a third level hospital**
Ines Ruiz Alvarez (Oviedo, Spain), Francisco Lopez Gonzalez, Ana Isabel Enriquez Rodriguez, Tamara Hermida Valverde, Carmen Osoro Suárez, Julia Herrero Huertas, Andres Ortiz Reyes, Ariel Moreda Bernanrdo, Lucia Garcia Alfonso, Pere Casan Clara

PA2874 Pericardial and pleural metastases: clinical and histological differences
Georgia Karpathiou (Saint-Etienne, France), Mousa Mobarki, Sirine Hathroubi, Marie Laure Stachowicz, Arnaud Patoir, Olivier Tiffet, Michel Peoc'H, Marios Froudarakis

PA2875 Rotation Aiding (RA's) technique for EBUS-TBNA biopsy of intrathoracic lymph node: a comparison of conventional Jab method
Seung Won Ra (Ulsan, Republic of Korea), Woon Jung Kwon, Yongjik Lee, Chang-Ryul Park, Hee Jeong Cha, Byung Ju Kang, Taehoon Lee, Yangjin Jegal, Jong-Joon Ahn, Youngjoon Chee, Kwang Won Seo

PA2876 Malignant Mesothelioma (MM) is still the leading cause of death in Karain villagers in Turkey and/or abroad due to erionite exposure
A. Salih Emri (Istanbul, Turkey), Dorina Esendagli, Michele Carbone

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Session 292

12:50 - 14:40

Thematic poster: Clinical management of pleural malignancies, including mesothelioma

Disease(s) : Thoracic oncology

Method(s) : Epidemiology Endoscopy and interventional pulmonology Cell and molecular biology General respiratory patient care Imaging Surgery

Chairs : Kevin Blyth (Glasgow (Glasgow), United Kingdom), Florin Rusu-Cordunean (Iasi, Romania), Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Chair to be confirmed

PA2877 Single-center prospective study on clinical evolution of non-specific pleuritis
Federico Mei (Ancona (AN), Italy), Martina Bonifazi, Lina Zuccatosta, Francesca Barbisan, Michele Sediari, Stefano Gasparini

PA2878 The clinical benefits of immune checkpoint inhibitors for thymic carcinomas
Naohiro Uchida (kyoto, Japan), Kohei Fujita, Osamu Kanai, Msisato Okamura, Koichi Nakatani, Tadashi Mio

PA2879 The Role of PET-CT in differential diagnosis of malignant-paramalignant pleural effusion
Elif Torun Parmaksiz (Istanbul, Turkey), BüLent Akkurt, CoşKun DoğAn, Seda Beyhan SağMen, Nesrin K1Ral, Sevda CöMert, Ali Fidan, Saadet Akkuş

PA2880 Determinants of survival in patients with malignant pleural mesothelioma (MPM) managed at a single institution in Liguria, Italy
Annamaria Carletti (Sarzana (SP), Italy), Lucia Benfatto, Vanna Balestracci, Pier Aldo Canessa

PA2881 Predictors of pleurodesis success
Rachel Mercer (Guildford (Surrey), United Kingdom), Nicole Speck, Hannah Jeffries, Jessica Macready, Nikolaos Kanellakis, Nick Maskell, Justin Pepperell, Tarek Saba, Alex West, Nabeel Ali, Robert Miller, John Corcoran, Rachelle Asciak, Maged Hassan, Robert Hallifax, Ioannis Psallidas, Najib Rahman

PA2882 The patient perspective of treatment for Malignant Pleural Effusion (MPE)- results of a pilot service-evaluation questionnaire.
Jack Seymour (Wallingford (Oxfordshire), United Kingdom), Ioannis Psallidas, Melissa Dobson, Najib Rahman

PA2883 ANALYSIS OF INITIAL NON-CONCLUSIVE THORACOSCOPIES WITH A DIAGNOSIS OF MALIGNANCY OBTAINED DURING LONG-TERM FOLLOW-UP OF RECURRENT EXUDATIVE PLEURAL EFFUSIONS
Beatriz Romero Romero (Sevilla, Spain), Luis Alejandro Padron Fraysse, Beatriz Romero Romero, Francisco Rodriguez Panadero, Jose Martin Juan

PA2884 Clinical and histological analysis of malignant mesothelioma - a comprehensive state-wide study
Rainer G. Wiewrodt (Münster, Germany), Nicola Pferdmenges, Volker Krieg, Arik Bernard Schulze, Hiltraud Kajueter, Georg Evers, Michael Mohr, Lars Henning Schmidt, Hans-Werner Hense, Oliver Heidinger

PA2885 Iodopovidone pleurodesis, diferent techniques, excellent efficacy in malignant pleural effusion.. Tanta University experience
Ragia Samir Sharshar (Tanta, Egypt)

PA2886 Is there a need for Vedio-assisted Thoracoscopic surgical (VATS) pleural biopsy following a Medical Thoracoscopy (MT)?
Mohamed Akram Abdulla (Sheffield (South Yorkshire), United Kingdom), John Hadfield, Thida Aung, Ayman El-Nayal

PA2887 US guided true cut needle biopsy in patients with malignant mesothelioma
Rosen Petkov (Sofia, Bulgaria), Teodora Mihalova, Yordanka Yamakova, Georgi Yankov

- PA2888 Relationship between baseline metabolic 18F-FDG parameters and survival in malignant pleural mesothelioma: A single centre experience**
Yusuf Kahya (Ankara, Turkey), Çiğdem Soydal, Mustafa Bülent Yenigün, Elgin Özkan, Nihal Ata Tutkun, Serkan Enön, Nuriye Özlem Küçük, Ayten Kayı Cangır
- PA2889 A comparison of outcomes from a regional Mesothelioma MDT against the National Lung Cancer Audit (NLCA) Mesothelioma standards**
Maryam Ahmed (Manchester, United Kingdom), Judith Lyons, Susan Jackson, Anna Sharman, Mairead Dixon, Paul Taylor, Jayne Holme, Matthew Evison
- PA2890 Survival of patients with malignant pleural effusions: a three-year prospective self-experience study**
Filip Shterev (Plovdiv, Bulgaria), Ivan Novakov, Filip Sterev
- PA2891 Assessing breathlessness following pleural fluid drainage using the Visual Analogue Scale for Dyspnoea(VASD) over 1 week(7-DVQ)**
Radhika Banka (Mumbai (Maharashtra), India), Eleanor Mishra
- PA2892 EBUS-TBNA for the diagnosis of intrathoracic lymphadenopathy in patients with previously diagnosed breast carcinoma**
Nevenka Piskač Živković (Zagreb, Croatia), Anja Ljilja, Nina Petra Novak, Neven Tudorić
- PA2893 Evaluation of chemotherapy response determined by volumetric method in malignant pleural mesothelioma and its effect on determination to survival**
Muzaffer Metintas (Eskişehir, Turkey), Furkan Urfali, Selma Metintas, Atila Gurgen, Güntülü Ak, Ragip Ozkan
- PA2894 Cisplatin/pemetrexed chemotherapy versus palliative care survival in malignant pleural mesothelioma**
Emilija Lozo Vukovac (Split, Croatia), Ivan Škopljanač, Ivana Segrt, Kornelija Mise, Anita Tolic Biocina
- PA2895 Effects of cisplatin and pemetrexed on 3D phenotypes of benign mesothelial and malignant pleural mesothelioma cells**
Eleftherios Papazoglou (Larissa, Greece), Rajesh Jagirdar, Eleanna Pitaraki, Ourania Kotsiou, Chrissi Hatzoglou, Konstantinos Gourgoulisanis, Sotirios Zarogiannis

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Session 293

12:50 - 14:40

Thematic poster: Consequences of idiopathic interstitial pneumoniasDisease(s) : [Interstitial lung diseases](#) [Sleep and breathing disorders](#)

Method(s) : Cell and molecular biology Imaging Epidemiology General respiratory patient care

Chairs : Elisabeth Bendstrup (Vejle, Denmark), Julia Wälscher (Heidelberg, Germany), Catharina Moor (Rotterdam, Netherlands), Carlo Vancheri (Catania (CT), Italy)

- PA2896 Late Breaking Abstract - Calpain regulates epithelial-mesenchymal transition and its correlation with Akt signaling in pulmonary fibrosis.**
Yuan Liu (, China), Bing Liu, Jingfeng Zou, Menglin Zou, Zhenshun Cheng
- PA2897 Prognostic and functional significance of osteoporosis and vitamin D deficiency in interstitial lung diseases**
Vivien Somogyi (Heidelberg, Germany), Carlos Francisco Silva, Simon Triphan, Monika Eichinger, Michael Kreuter
- PA2898 Depression is a predominant symptom among hypogonadism male patients with Interstitial Pulmonary Fibrosis**
Doaa Magdy (Assiut, Egypt), Doaa Magdy, ahmed metwally, Randa El Zohne
- PA2899 Validity and responsiveness of the Euro-Qol-5 Dimensions-5 Levels (EQ5D5L) in IPF**
Claire M. Nolan (London, United Kingdom), Matthew Maddocks, Toby M Maher, Sarah E Jones, Suhani Patel, Ruth E Barker, Peter M George, William D-C Man
- PA2900 Prevalence and clinical relevance of comorbidities in IPF**
Ermanno Puxeddu (Roma (RM), Italy), Luigino Calzetta, Annapina Barrile, Francesco Cavalli, Alfredo Sebastiani, Mario Cazzola, Paola Rogliani
- PA2901 Validation of the King's Brief Interstitial Lung Disease questionnaire in Danish**
Thomas Skovhus Prior (Århus N, Denmark), Ole Hilberg, Surinder Biring, Elisabeth Bendstrup
- PA2902 Vitamin D predicts disease progression in patients with pulmonary fibrosis and blunts in-vitro fibrotic responses**
Vasilios Tzilas (Athens, Greece), Argyris Tzouvelekis, Evangelos Bouros, Thodoris Karampitsakos, Sofia Kourtidou, Ilianna Barbayianni, Ioanna Ninou, Vasilis Aidinis, Demosthenes Bouros
- PA2903 Diagnosis and therapy of acute exacerbations of idiopathic pulmonary fibrosis (AE-IPF) in Germany**
Markus Polke (Heidelberg, Germany), Juergen Behr, Hans-Joachim Kabitz, Claus Neurohr, Gabriela Leuschner, Antje Prasse, Francesco Bonella, Dirk Koschel, Julia Waelscher, Michael Kreuter

- PA2904** **Evaluation of Dyspnea Questionnaires in Patients with Idiopathic Pulmonary Fibrosis (IPF).**
Onofre Moran Mendoza (Kingston (ON), Canada), Sharina Aldaheri, Sami Alyami, Maxine Kish, Sean Davison
-
- PA2905** **Prognostic impact of the pulmonary artery size on chest computed tomography in Idiopathic Pulmonary Fibrosis patients**
Ji Soo Choi (Seoul, Republic of Korea), Sung Woo Moon, Se Hyun Kwak, Ju Hye Shin, Song Yee Kim
-
- PA2906** **Different characteristics and outcomes of acute exacerbation: comparison between interstitial pneumonia with autoimmune features and lone idiopathic interstitial pneumonia.**
Ryobu Mori (Kobe, Japan), Mariko Kogo, Kazutaka Hosoya, Hayato Kawachi, Ryosuke Hirabayashi, Munehiro Ito, Daichi Fujimoto, Kazuma Nagata, Ryo Tachikawa, Atsushi Nakagawa, Kojiro Otsuka, Keisuke Tomii
-
- PA2907** **Modified GAP stage as a predictor of acute exacerbation in idiopathic pulmonary fibrosis**
Shinichiro Ohshimo (Hiroshima, Japan), Yoshiko Kida, Michihito Kyo, Yasushi Horimasu, Shintaro Miyamoto, Hiroshi Iwamoto, Hironobu Hamada, Noboru Hattori, Francesco Bonella, Josune Guzman, Ulrich Costabel, Nobuaki Shime
-
- PA2908** **Prevalence of cancer in patients with Idiopathic Pulmonary Fibrosis. A retrospective multicenter study**
Argyris Tzouveleakis (Athens, Greece), Theodoros Karampitsakos, Georgia Gomatou, Vasilios Tzilas, Evangelos Bouros, Serafeim Chrysikos, Evangelos Markozannes, Lykourgos Kolilekas, Efrossyni Manali, Ioannis Tomos, Ioanna Korbila, Periklis Tomos, Konstantinos Loverdos, Asimina Gaga, Katerina Antoniou, Athina Trachalaki, Zoe Daniil, Fotini Bardaka, Katerina Markopoulou, Spyridon Papisir, Rodoula Tringidou, Demosthenes Bouros
-
- PA2909** **Hospitalisation pattern in Interstitial Lung Diseases: a claims data study**
Sabine Witt (Neuherberg, Germany), Julia Waelscher, Larissa Schwarzkopf, Michael Kreuter
-
- PA2910** **Diaphragm dysfunction in combination with lung function decline is associated with higher mortality in idiopathic pulmonary fibrosis patients**
Enikő Bárczi (Budapest, Hungary), Abigel Farkas, Aniko Bohacs, Krisztina Vincze, Noemi Eszes, Gyorgy Losonczy, Veronika Muller
-
- PA2911** **Natural history of idiopathic pulmonary fibrosis (IPF) associated with obstructive sleep apnea (OSA) with or without continuous positive airway pressure (CPAP)**
Thomas Gille (Bobigny, France), Morgane Didier, Marouane Boubaya, Zohra Carton, Danielle Sadoun-Danino, Dominique Israël-Biet, Vincent Cottin, Frédéric Gagnadoux, Bruno Crestani, Marie-Pia D'Ortho, Pierre-Yves Brillet, Dominique Valeyre, Hilario Nunes, Carole Planès
-
- PA2912** **Application of a predictive formula for hypoxic challenge testing in patients with interstitial lung disease**
Sunil Patel (London, United Kingdom), Robert A Hastings, Harpreet K Lota, Philip L Molyneaux, Felix Chua, Georgios Magaritopoulos, Vasilis Kouranos, Maria Kokosi, Toby M Maher, Athol U Wells, Peter M George, Elisabetta A Renzoni
-
- PA2913** **The role of infection in acute exacerbation of Idiopathic Pulmonary Fibrosis**
Dong Weng (Shanghai, China), Huiping Li
-
- PA2914** **Does body mass index influence survival of patients with idiopathic pulmonary fibrosis?**
Nesrin Mogulkoc (İZMİR, Turkey), Burcu Uysaler, Paul Bishop
-
- PA2915** **Comorbid conditions in IPF patients; their frequencies and impacts on survival**
Aysu Sinem Koc (Izmir, Turkey), Nesrin Mogulkoc, Paul Bishop

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Session 294

12:50 - 14:40

Thematic poster: News on the diagnosis of idiopathic interstitial pneumonia**Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Endoscopy and interventional pulmonology Surgery Imaging Epidemiology General respiratory patient care Cell and molecular biology**Chairs :** Wim A Wuyts (Rotselaar, Belgium), Marcel Veltkamp (De Meern, Netherlands), Stéphane Jouneau (Rennes Cedex, France), Irina Ruxandra Strambu (Bucuresti 5, Romania)

- PA2916** **The impact of a network based approach on lung function and symptom duration at diagnosis in idiopathic pulmonary fibrosis**
Taha Lodhi (Cheadle (Cheshire), United Kingdom), Colm Leonard, Pilar Rivera Ortega, Helen Morris, Tracey Marshall, Katherine Zakis, Theresa Garfoot, Conal Hayton, Melanie Greaves, John Blaikley, Nazia Chaudhuri

- PA2917** **Nationwide survey of physicians' attitude and approach to the clinical evaluation of interstitial lung disease in Singapore**
Felicia Teo (Singapore, Singapore), Gin-Tsen Chai, Su-Ying Low, Chia-Meng Teoh, Tunn-Ren Tay, Maria Kokosi, Chuan-Gee Choo, Sze-Khen Tan, Jessica Tan, Lynette Teo, Yuen-Li Ng, Gregory Kaw, Masashi Takahashi, Wim A Wuyts, Felix Chua, Vincent Cottin, Simon L-F Walsh, Yiong-Huak Chan

- PA2918** **Absence of early metabolic response assessed by 18F-FDG PET-CT after initiation of antifibrotic drugs in IPF patients.**
Benjamin Bondue (Bruxelles, Belgium), Amelie Castiaux, Gaetan Van Simaey, Celine Mathey, Felicie Sherer, Dominique Egrise, Simon Lacroix, Francois Huaux, Gilles Doumont, Serge Goldman
-
- PA2919** **Multidisciplinary discussion (MDD) in IPF diagnosis: the experience of an Italian Centre**
Elena Torricelli (Firenze (FI), Italy), Elisabetta Rosi, Lorenzo Turi, Cinzia Lo Conte, Caterina Piccioli, Emanuele Vivarelli, Paola Parronchi, Chiara Moroni, Alessandra Bindi, Edoardo Cavigli, Maurizio Bartolucci, Valentina Luzzi, Michela Bezzi, Domenico Viggiano, Luca Voltolini, Elena Bargagli
-
- PA2920** **Histopathologic and Molecular Analysis of Idiopathic Pulmonary Fibrosis Lungs from Patients Treated with Pirfenidone or Nintedanib**
Yingwei Zhang (Nanjing (Jiangsu), China), Kirk Jones, Natalia Achta-Zadeh, Jasleen Kukreja, Paul Wolters,
-
- PA2921** **Breath Biomarkers in Idiopathic Pulmonary Fibrosis: A Systematic Review**
Conal Hayton (Manchester (Greater Manchester), United Kingdom), Dayle Terrington, Andrew M. Wilson, Nazia Chaudhuri, Colm Leonard, Stephen J. Fowler
-
- PA2922** **Frequency of cough versus dyspnoea as the first recorded symptom of idiopathic pulmonary fibrosis**
Rupert Jones (Milton Combe, United Kingdom), David Thickett, Ronan Ryan, Robina Coker, Sen Yang, Mandy Ow, Priyanka Raju, Isha Chaudry, David Price
-
- PA2923** **Impact of a Bayesian approach on the diagnosis of Interstitial Lung Diseases**
Voon Shiong Ronnie Tan (Singapore, Singapore), Sok Boon Tay, Felicia Teo, Lynette Teo, Ching Ching Ong, Ju Ee Seet, Tow Keang Lim
-
- PA2924** **MUC5B gene in a cohort of Lebanese patients with idiopathic pulmonary fibrosis**
Georges Dabar (Beyrouth, Lebanon), Zeina Aoun, Moussa Riachi, Jacques Boutros
-
- PA2925** **Quantitative Assessment of Thoracic Muscles in Patients with Idiopathic pulmonary fibrosis :Relationship with Prognosis**
Sungwoo moon (Seoul, Republic of Korea), Song Yee Kim, Ji Soo Choi, Se Hyun Kwak, Ju Hye Shin
-
- PA2926** **High-resolution computed tomography fibrosis score and pulmonary function tests in interstitial lung disease: Is there any correlation?**
Rana Fessi (tunis, Tunisia), Bisma Ourari, Jihen Ben Amar, Haifa Zaibi, Salwa Azzabi, Mohamed Ali Baccar, Hichem Aouina
-
- PA2927** **Epithelial alarmin levels in exhaled breath condensate in patients with idiopathic pulmonary fibrosis**
Sebastian Majewski (Stryków, Poland), Damian Tworek, Karolina Szewczyk, Zofia Kurmanowska, Adam Antczak, Pawel Górski, Wojciech Piotrowski
-
- PA2928** **Looking for airways periostin in patients with interstitial lung diseases.**
Giulia Scioscia (Lucera (FG), Italy), Donato Lacedonia, Piera Soccio, Filena Simone, Incoronata Caccavo, Roberto Sabato, Ernesto Giuffreda, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro
-
- PA2929** **Ca 19-9 serum levels in patients with end-stage Idiopathic Pulmonary Fibrosis (IPF)**
Elisabetta Balestro (Padova (PD), Italy), Elisabetta Coconcelli, Davide Biondini, Federico Fracasso, Gioele Castelli, Giuseppe Marulli, Federico Rea, Manuel G. Cosio, Marina Saetta, Paolo Spagnolo
-
- PA2930** **In vivo optical imaging for low-risk microscopic diagnosis of IPF**
Lida Hariri (Boston, United States of America), Ashok Muniappan, Colleen Keyes, John Wain, Michael Lanuti, Christopher Morse, Henning Gaissert, Hugh Auchincloss, David Adams, Margit Szabari, Amita Sharma, Thomas Colby, Mari Mino-Kenudson, Eugene Mark, Richard Kradin, Hamid Pahlevaninezhad, Hannah Goulart, Lloyd Liang, Andrew Tager, Melissa Suter
-
- PA2931** **Exhaled breath condensate - a new tool for assessment of idiopathic pulmonary fibrosis?**
Natalia Przysucha (Warsaw, Poland), Katarzyna Gorska, Magdalena Paplinska, Patrycja Nejman-Gryz, Magdalena Proboszcz, Rafał Krenke
-
- PA2932** **A prospective evaluation of lung ultrasonography in patients with fibrotic interstitial lung diseases; preliminary results.**
Georgios Pitsidianakis (Heraklion (Crete), Greece), Maria Bolaki, Eirini Vasarmidi, Konstantinos Karagiannis, Katerina Anotniou, Nikolaos Tzanakis
-
- PA2933** **Roles of transthoracic lung ultrasonography in diagnosis of interstitial lung disease: correlation with HRCT, vital capacity, diffusing of the lung for monoxide test**
Milena Adina Man (Cluj-Napoca (Cluj), Romania), Adriana Parau, Alina Ruscovan, Monica Pop, Ruxandra Rajnovceanu, Bianca Domokos Hancu

PA2934 Does delay in review of newly-diagnosed idiopathic pulmonary fibrosis (IPF) worsen outcomes?
Hon Lin Wu (Preston (Lancashire), United Kingdom), James Wingfield-Digby, Timothy Gatheral

PA2935 Correlation between HRTC appearance and histopathological features in the diagnosis of interstitial lung diseases
Francesco Guerrera (Turin, Italy), Giulia Verri, Paraskevas Lyberis, Paolo Solidoro, Lorena Mercante, Marco Michele Bardessono, Matteo Roffinella, Enrico Ruffini, Pier Luigi Filosso, Caterina Bucca, Alberto Oliaro

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Session 295

12:50 - 14:40

Thematic poster: Idiopathic interstitial pneumonias other than idiopathic pulmonary fibrosis (IPF)

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#)

Method(s) : Public health Epidemiology Physiology Cell and molecular biology Transplantation Endoscopy and interventional pulmonology Imaging General respiratory patient care

Chairs : Tiago Alfaro (Coimbra, Portugal), Martina Vasakova (Praha 4, Czech Republic), Julie Morisset (Montréal (QC), Canada), Diego Castillo Villegas (Barcelona, Spain)

PA2936 Clinical Analysis of Pathologically Diagnosed Cryptogenic Organizing Pneumonia: A 14-year Retrospective Analysis of 176 COP Patients.
Yuan Zhang (Shanghai, China), Nan Li, Huiping Li, Yang Hu, Qihong Li, Ying Zhou, Li Shen, Fen Zhang, Yiliang Su, Dong Weng

PA2937 Clinical characteristics of familial Idiopathic Pulmonary Fibrosis (f-IPF) at the University of Giessen Marburg Lung Center.
Ekaterina Krauss (Giessen, Germany), Godja Von Gehrken, Sabine Heinemann, Werner Seeger, Andreas Guenther

PA2938 Idiopathic interstitial pneumonias: Distinct Characteristics
Rana Fessi (tunis, Tunisia), Besma Ourari, Jihen Ben Amar, Haifa Zaibi, Salwa Azzabi, Mohamed Ali Baccar, Hichem Aouina

PA2939 TERT/TERC mutations in a Greek cohort of suspected genetic pulmonary fibrosis patients
Effrosyni D. Manali (Athens, Greece), Caroline Kannengiesser, Lykourgos Kolilekas, Ioanna Korbila, Georgia Papadaki, Maria Kallieri, Paschalina Giouleka, Andriana I. Papaioannou, Ioannis P. Tomos, Eleni Stagaki, Anastasia Papaporfyriou, Anna Karakatsani, Stylianos Loukides, Konstantinos Kagouridis, Vasileios Tzilas, Argyrios Tzouvelekis, Evangelos Bouros, Katerina Antoniou, Athina Trachalaki, Aikaterini Markopoulou, Zoe Daniil, Evangelia Fouka, Despoina Papakosta, Areti Xyfteri, Athina Gogali, Athanasios Konstantinidis, Paschalis Steiropoulos, Ilias C. Papanikolaou, Chrysa Bazaka, Aggeliki Charitou, Maria Maniati, Panagiotis Lyberopoulos, Katerina Vlami, Thomas Raptakis, Patrick Revy, Mina Gaga, Philippe Dieude, Nadia Nathan, Raphael Borie, Catherine Boileau, Demosthenes Bouros, Bruno Crestani, Spyros Papiris,

PA2940 Correlation between pulmonary function tests and HRCT indexes in Idiopathic Pulmonary Fibrosis (IPF) patients
Sebastiano Emanuele Torrisi (Acireale (CT), Italy), Stefano Palmucci, Roberta Rosso, Matteo Schisano, Mauro Pavone, Ada Vancheri, Giuseppina Sardo, Rosalba Iudica, Carlo Vancheri

PA2941 Prognosis of pulmonary fibrosis with usual interstitial pneumonia pattern in myeloperoxidase anti-neutrophil cytoplasmic autoantibody-related nephritis
Toshikazu Watanabe (toyoake, Japan), Tomoyuki Minezawa, Yasuhiro Goto, Takuya Okamura, Yosuke Sakakibara, Yoshikazu Niwa, Masamichi Hayashi, Midori Hasegawa, Kazuyoshi Imaizumi

PA2942 Comparison of clinical characteristics and prognosis in patients with idiopathic pulmonary upper lobe predominant pulmonary fibrosis and idiopathic pulmonary fibrosis
Hirotsugu Ohkubo (Nagoya, Japan), Kensuke Fukumitsu, Satoshi Fukuda, Yoshihiro Kanemitsu, Masaya Takemura, Ken Maeno, Yutaka Ito, Akio Niimi

PA2943 Telomere length in fibrotic groups of Interstitial Lung Diseases
Ioannis Tomos (Athens (Alimos), Greece), Anna Karakatsani, Effrosyni Manali, Cristine Kottaridi, Aris Spathis, Ioanna Korbila, Likurgos Kolilekas, Konstantinos Kagouridis, Periklis Foukas, Spyros Papiris

PA2944 Macrolides as a potential treatment in organizing pneumonia
Andreia Filipa Fonseca Carriço (Guarda, Portugal), António Morais, Natália Melo, Patrícia Caetano Mota, Susana Guimarães, Conceição Souto Moura, José Miguel Pereira

PA2945 Lymphocytes in bronchoalveolar lavage fluid might be useful for predicting the prognosis, even in the stable phase of nonspecific interstitial pneumonia
Yukiko Takeno (Yufu, Japan), Kenji Umeki, Kosaku Komiya, Yuko Usagawa, Mari Yamasue, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

PA2946	Evaluation of the 4-meter gait speed (4mGS) in patients with interstitial pneumonia: a prospective observational study. Ryosuke Hirabayashi (Kobe, Japan), Yusuke Takahashi, Kyosuke Wakata, Kazuma Nagata, Kazutaka Hosoya, Hayato Kawachi, Ryobu Mori, Munehiro Ito, Mariko Kogo, Daichi Fujimoto, Atsushi Nakagawa, Ryo Tachikawa, Kojiro Otsuka, Keisuke Tomii
PA2947	Diagnostic contribution of EBUS in Interstitial Lung Disease (excluding Sarcoidosis) Warda Khamis (Rosny-Sous-Bois, France), Damien Basille, Jean-François Bernaudin, Julie Morvan, Michael Soussan, Marianne Auquier, Kim-Anastasia Levand, Pierre-Yves Brillet, Eline Magois, Charles Dayen, Youcef Douadi, Dominique Valeyre, Vincent Jounieaux, Hilario Nunes, Olivia Freynet
PA2948	Histological patterns of resected lung after lung transplant in patients with interstitial lung diseases Tiago Soares Oliveira Sá (Lisboa, Portugal), Vânia Caldeira, Sara Silva, Nidia Caires, Rita Carvalho, Ricardo Coelho, Alexandra Borba, Eugénia Pinto, Paulo Calvino, Luisa Semedo, João Cardoso, José Fragata
PA2949	Prognostic significance of autoantibodies for idiopathic pulmonary fibrosis: a systematic review and meta-analysis Hiroyuki Kamiya (Perth (WA), Australia), Ogee Panlaqui
PA2950	Serum progranulin levels in idiopathic pulmonary fibrosis and other interstitial lung diseases Noémi Eszes (Budapest, Hungary), Péter Horváth, Felix Klinger, Ádám Tárnoki, Dávid Tárnoki, Veronika Müller, Anikó Bohács
PA2951	Nailfold capillaroscopy findings in ILD patients: results from a single centre investigation. Felix Kühner (Ilshofen, Germany), Oliver Sander, Eda Börner, Thomas Wessendorf, Ulrich Costabel, Francesco Bonella
PA2952	Impact of an interstitial lung diseases Nurse on the compliance to anti-fibrotic drugs in patients with Idiopathic Pulmonary Fibrosis. Sharina Aldhaheri (Kingston, Canada), Onofre Moran Mendoza, Lynda Mccarthy
PA2953	Antifibrotic choice in idiopathic pulmonary fibrosis Conal Hayton (Manchester (Greater Manchester), United Kingdom), Helen Morris, Tracey Marshall, Katie Zakis, Theresa Garfoot, Pilar Rivera Ortega, Melanie Greaves, Colm Leonard, Nazia Chaudhuri
PA2954	Predictor factors of mortality in patients with idiopathic pulmonary fibrosis Aysegül Akçeli Şahin (Istanbul, Turkey), Zuleyha Bingol, Zeki Kilicaslan, Tulin Cagatay, Gulfer Okumus
PA2955	Composite Physiological Index as predictor of mortality by using IPF-GAP model Abhishek Gupta (Ajmer (Rajasthan), India), Neeraj Gupta, Ramakant Dixit
TP-35	Session 296 12:50 - 14:40
Thematic poster: CTD-ILD and hypersensitivity pneumonitis: mechanistic insights and prognostic markers	
Disease(s) : Interstitial lung diseases	
Method(s) : General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology	
Chairs : Martina Bonifazi (Ancona (AN), Italy), George Margaritopoulos (London, United Kingdom), Claudia Ravaglia (Forlì, Italy), Veronica Alfieri (Parma (PR), Italy)	
PA2956	Systematic review: In vivo imaging in animal models relevant to drug-induced Interstitial lung disease (DIILD) Irma Mahmutovic Persson (Lund, Sweden), Karin Von Wachenfeldt, Kashmira Pindoria, Juan A. Delgado-San Martin, Simon Campbell, Michael Haase, Mark Wright, John C. Waterton, Lars E. Olsson
PA2957	Antioxidant and anti-inflammation effect of GHK-Cu in bleomycin-induced pulmonary fibrosis Xiaoming Zhou (, China), Gang Hou
PA2958	Imaging biomarkers of oedema and fibrosis in a rat model of Drug-Induced-ILD Irma Mahmutovic Persson (Lund, Sweden), Anders öRbom, Per-Ola öNnervik, Karin Von Wachenfeldt, Lars E Olsson
PA2959	Diagnostic value of serum KL-6 in Interstitial Lung Disease: preliminary results from an European cohort. Paloma Millan Billi (Barcelona, Spain), Iván Castellví, Laura Martinez Martinez, Francisco Aparicio, Tomás Franquet, Oriol Sibila Vidal, Diego Castillo Villegas
PA2960	Investigating microbial communities in interstitial lung disease by standard culture of bronchioalveolar lavage samples Madeleine Bangham (London, United Kingdom), Katherine Myall
PA2961	Levels of YKL-40 in serum and sputum of patients diagnosed with hypersensitivity pneumonitis: A pilot study. Mª Jesus Cruz Carmona (Barcelona, Spain), Miquel De Homdedeu, Silvia Sanchez-Diez, Iñlgo Ojanguren, Chistian Romero-Mesones, Ana Villar, Ferran Morell, Xavier Muñoz

- PA2963 Screening and characterization of activin A inhibitory peptides by phage display technology**
Victor Alexandre Félix Bastos (Uberlândia, Brazil), Aline Gomes Souza, Patrícia Tieme Fujimura, Robinson Sabino Silva, Thulio Marquez Cunha, Luiz Ricardo Goulart
- PA2964 Antinuclear antibodies in interstitial lung diseases: Prevalence and predictive factors**
Samira Aouadi (Ariana, Tunisia), Najla Ghrairi, Imen Ben Ali, Imen Sahnoun, Sonia Maalej, Sadok Yalaoui, Leila Douik-Elgharbi
- PA2965 Bronchoalveolar lavage in healthy and diseased individuals**
Bjoern Frye (Freiburg, Germany), Jonas Schupp, Thomas Köhler, Gernot Zissel, Werner Vach, Joachim Müller-Quernheim
- PA2966 Validation of the ILD-GAP model in a Singapore population**
Michelle Kam (Singapore, Singapore), Hui Hua Li, Yi Hern Tan, Su Ying Low
- PA2967 Role of gastroesophageal reflux in interstitial lung disease associated to connective tissue disease.**
Verónica Torres Esteche (Montevideo, Uruguay), Carolina Diaz Cuña, Sandra Consani, Fernanda Alonso, Adriana Bérez
- PA2968 Interstitial Pneumonia with Autoimmune Features (IPAF): a single center prospective experience**
Gianluca Sambataro (valverde (CT), Italy), Sebastiano Emanuele Torrisi, Ada Vancheri, Mauro Pavone, Roberta Rosso, Matteo Schisano, Claudia Crimi, Domenico Sambataro, Carlo Vancheri
- PA2969 Comparative survival analysis between idiopathic pulmonary fibrosis and chronic hypersensitivity pneumonitis: Retrospective cohort study.**
Maria Laura Alberti (Ciudadela, Argentina), Martín Eduardo Fernandez, Leandro Fassola, Fabian Caro, Francisco Paulin
- PA2970 Club cells in histological patterns of interstitial lung diseases**
Paul Reynaud (Montpellier, France), Isabelle Serre, Isabelle Vachier, Aurélie Fort, Charlotte Vernisse, Micaela Romagnoli, Gérard Durand, Yann Cabon, Sébastien Bommart, Anne-Sophie Gamez, Arnaud Bourdin
- PA2971 Progression of Rheumatoid-arthritis associated interstitial lung disease by radiological subtype**
Sukhmani Sra (London, United Kingdom), Katherine Myall, Boris Lams, Sangita Agarwal, Alex West
- PA2972 Non Specific Interstitial Pneumonia and features of connective tissue disease: what are the consequences of a different point of view?**
Federica De Giacomi (San Giorgio P.no, Italy), Alice Biffi, Giulia Dei, Anna Stainer, Maria Rosa Pozzi, Paola Faverio, Alberto Pesci
- PA2973 Prevalence of gastro-esophageal reflux in interstitial lung diseases.**
Nousheen Akhter (Karachi, Pakistan), Nadeem Rizvi
- PA2974 Impulse oscillometry compared to standard lung function testing in patients with idiopathic pulmonary fibrosis**
Emil Lind Flensburg (Aarhus C, Denmark)
- PA2975 Change of primary Sjören's syndrome-associated interstitial lung disease in computerized tomogram of chest during two years.**
Soo-Taek Uh (Seoul, Republic of Korea), Bo Young Lee, So My Koo, Yang Ki Kim, Ki Up Kim, Do Jin Kim

TP-36

Session 297

12:50 - 14:40

Thematic poster: Clinical aspects of hypersensitivity pneumonitis (HP) and CTD-ILD: diagnosis, monitoring and treatment

Disease(s) : Interstitial lung diseases Respiratory infections Airway diseases Thoracic oncology Respiratory infections

Method(s) : Physiology Surgery Imaging Epidemiology Endoscopy and interventional pulmonology General respiratory patient care

Chairs : John Mackintosh (Brisbane (QLD), Australia), Maria Kokosi (London, United Kingdom), Yurdagül Uzunhan (Bobigny, France), Dina Visca (Mantova (MN), Italy)

- PA2976 LSC - 2018 - In vivo models of Drug Induced ILD; tools to study and improve drug safety**
Irma Mahmutovic Persson (Lund, Sweden), Hanna Falk Håkansson (hanna@trulylabs.com / Truly Labs AB, Medicon Village, Lund), Per-Ola öNervik (per-ola@trulylabs.com / Truly Labs AB, Medicon Village, Lund), Janne Persson (janne@trulylabs.com / Truly Labs AB, Medicon Village, Lund), Lars E. Olsson (lars.e_olsson@med.lu.se / Department of Translational Medicine, Medical Radiation Physics, Lund University, Malmö Sweden, Malmö), Karin Von Wachenfeldt (karin@trulylabs.com / Truly Labs AB, Medicon Village, Lund)

- PA2977 Association between 4-metre gait speed and isometric knee extension muscle strength in patients with interstitial lung disease**
Kenji Nemoto (Ibaraki, Japan), Shuji Oh-Ishi, Yuki Yabuuchi, Mizu Nonaka, Hitomi Goto, Naoki Arai, Yuika Sasatani, Hiroaki Tachi, Tatsuya Akiyama, Hiroaki Ishikawa, Kentaro Hyodo, Yukiko Miura, Isano Hase, Kenji Hayashihara, Takefumi Saito, Shimao Fukai

- PA2978 Factors predicting response to azathioprine in chronic hypersensitivity pneumonitis – the importance of BAL lymphocytosis**
Sara Raimundo (Vila Real, Portugal), Natália Melo, Patrícia Mota, Susana Guimarães, Conceição Souto Moura, Rui Cunha, José Miguel Pereira, António Morais
- PA2979 Parasympathetic Nervous System withdrawal in patients with Interstitial Lung Disease but not in COPD patients**
Katya Rigatto (Porto Alegre (RS), Brazil), Ana Amélia Machado Duarte, Cristiano Mostarda, Paulo José Zimmermann Teixeira
- PA2980 Acute exacerbation of ILD: an Indian tertiary centre experience**
Jai Mullerpattan (Mumbai (Maharashtra), India), Pankti Sheth, Aditi Joshi, Zarir Udwadia
- PA2981 What does bronchoalveolar lavage add to cryobiopsy in interstitial lung disease?**
Candela Serra (Barcelona, Spain), Paloma Millan Billi, Virginia Pajares Ruiz, Tomás Franquet Casas, Laura López Vilaró, Cristina Burrel Deicke, Ana Maria Alonso León, Alfons Torrego Fernandez, Diego Castillo Villegas
- PA2982 Usefulness of pulsed cyclophosphamide in Interstitial Lung Disease (ILD)**
Chia Wei Kong (SOUTHAMPTON (Hampshire), United Kingdom), Oluwatobi Adeagbo, Robert Hooper, Vanessa Titmuss, Suresh Babu
- PA2983 Interstitial lung diseases misdiagnosis: a Healthcare Improvement Science (HIS) approach**
Radu Adrian Crisan-Dabija (Iasi, Romania), Traian Mihaescu
- PA2984 CORRELATION BETWEEN LUNG AND JOINT INVOLVEMENT IN PATIENTS WITH RHEUMATOID ARTHRITIS AND INTERSTITIAL LUNG DISEASE: CROSS SECTIONAL STUDY**
Francisco Paulin (Ciudad Autónoma Buenos Aires, Argentina), María Laura Alberti, Fabian Matias Caro, Martin Fernandez, Juan Francisco Mercado, Leandro Fassola
- PA2985 Positive correlation between sympathetic modulation and peace in patients with interstitial lung disease**
Katya Rigatto (Porto Alegre (RS), Brazil), Ana Amélia Machado Duarte, Cristiano Mostarda, Guilherme Watte, Giancarlo Lucchetti, Paulo José Zimmermann Teixeira
- PA2986 Connective tissue disease-related interstitial lung disease and lung cancer**
Maria Alvarenga Santos (Lisboa, Portugal), Susana Clemente, Margarida Felizardo, Sofia Furtado
- PA2987 Joint Rheumatology and Chest Clinic in a District General Hospital**
Lauren Bell (Wigan (Lancashire), United Kingdom), Namrata Kewalramani, Ayhan Umar, Gladston Chelliah, Ashish Abdul
- PA2988 An audio-imaging approach to measure the degree of severity of patients suffering from DPLD disease**
Ashok Mondal (Kharagpur, India), Poulami Banerjee
- PA2989 A case of diffuse alveolar hemorrhage after illegal vaginal injection of hyaluronic acid**
Seung Hyeun Lee (Seoul, Republic of Korea), Min Hye Kang, Jung Mi Lee, Seoung Woo Han, Jae Joon Hwang, Yong Suk Jo, Cheon Woong Choi, Myung Jae Park
- PA2990 Surgical biopsy results of our patients with diffuse parenchymal lung diseases**
Gulfer Okumus (Istanbul, Turkey), Berker Ozkan, Zuleyha Bingol, Melike Ulker, Berivan Karatekin, Esen Kiyan, Zeki Kilicaslan, Murat Kara, Dilek Yılmazbayhan, Alper Toker
- PA2991 Autoimmunity in Interstitial lung diseases: preliminary data from a tertiary center.**
Emanuele Vivarelli (Florence, Italy), Gianfranco Vitiello, Francesco Tinghi, Danilo Malandrino, Boaz Palterer, Elena Torricelli, Elena Bargagli, Elisabetta Rosi, Paola Parronchi
- PA2992 Revisiting the diagnostic approach of Hypersensitivity Pneumonitis**
Ana Luisa Fernandes (Matosinhos, Portugal), Jorge Ferreira, Inês Neves
- PA2993 Pirfenidone as a treatment for asbestos-related lung fibrosis? A retrospective case series**
Franziska Rytz (Bern, Switzerland), Alexander Poellinger, Sabina Berezowska, Thomas Geiser, Manuela Funke-Chambour
- PA2994 Interventions to improve symptom control and quality of life in patients with interstitial lung disease: a systematic review and meta-analysis**
Sabrina Bajwah (London, United Kingdom), Jill Colquitt, Emma Loveman, Claudia Bausewein, Howard Almond, Adejoke Oluyase, Athol Wells
- PA2995 Clinical features of dermatitis, myositis and severe ILD. Could the AntiSSA / Ro52 antibodies be a diagnostic and prognostic tool for Antisyntatase syndrom?**
Paraskevi Kavoura (Athens, Greece), Apostolos Frimas, Prokopis Kithreotis, Christos Bagos, Stefanos Kanellas, Dimitrios Veldekis

TP-37

Session 298

12:50 - 14:40

Thematic poster: Granulomatous disorders: heterogeneous diseases with variable management

Disease(s) : **Interstitial lung diseases**

Method(s) : Respiratory intensive care Epidemiology Imaging Endoscopy and interventional pulmonology General respiratory patient care Cell and molecular biology

Chairs : Robert P. Baughman (Cincinnati, United States of America), Hilario Nunes (Bobigny, France)

- PA2996** **Late Breaking Abstract - Characteristics of macrophagal formula and cytokine spectrum of the bronchoalveolar lavage fluid in patients with newly diagnosed and those with recurring sarcoidosis of respiratory apparatus.**
Natalia Makaryants (Moscow, Russian Federation), Atajan Ergeshov, Natalia Demyanenko, Larisa Lepekha, Eugene Shmelev
- PA2997** **Late Breaking Abstract - Reduced activity of energy-transducing NADH-quinone oxidoreductase (complex I) indicates mitochondrial respiratory chain dysfunction in patients with sarcoidosis**
Ourania Kotsiou (Larisa, Greece), Zoe Daniil, Eugenios Bouzetos, Helen Panagiotidou, Maria Fouka, Foteini Malli, Fotini Bardaka, Katerina Antoniou, Anna-Maria Psara, Zissis Mamuris, Konstantinos Gourgoulisanis, Emily Zifa
- PA2998** **Retrospective analysis of sarcoidosis characteristics and psychological impact between civilian and military populations.**
Clara Ranc (Clamart, France), Olivier Bylicki, Hervé Le Floch, Wanda Gaspard, Lucie Zhang, Frederic Grassin, Frederic Riviere
- PA2999** **Spirometry, cardiopulmonary exercise testing and the six-minute walk test results in sarcoidosis patients**
Atefeh Abedini (Tehran, Islamic Republic of Iran), Arda Kiani, Alireza Eslaminejad, Mohsen Shafie Pour, Fatemeh Razavi, Seyyed Reza Seyyedi, Babak Sharif- Kashani, Kimia Taghavi
- PA3000** **Gender and smoking – does it matter for lung function in sarcoidosis? An analysis of large cohort (n=1260) Caucasian patients.**
Piotr Boros (Warszawa, Poland), Magdalena Martusewicz-Boros, Stefan Wesolowski
- PA3001** **Current biomarkers would not predict complicated sarcoidosis**
Parvaneh Baghaei Shiva (Tehran, Islamic Republic of Iran), Leslie Rodriguez, Oriana Salamo, Andrea Guerrero-Cignarella, Gregory Holt, Rafael Calderon-Candelario, Michael Campos, Mehdi Mirsaedi
- PA3002** **Health-related quality of life and health status among patients with sarcoidosis, chronic obstructive pulmonary disease and interstitial lung disease**
Marina Labor (Zagreb, Croatia), Gordana Pavlisa, Marija Alilovic
- PA3003** **Exhaled Breath Biomarkers in Sarcoidosis: A Systematic Review**
Dayle Terrington (King's Lynn (Norfolk), United Kingdom), Conal Hayton, Adam Peel, Stephen Fowler, Andrew Wilson
- PA3004** **The comparative characteristics of mediastinal lymphadenopathies in granulomatous pulmonary diseases**
Makaryants N., Lepekha L., Sivokozov I., Semenova A. Central TB Research Institute, Moscow, Russia
Natalia Makaryants (Moscow, Russian Federation)
- PA3005** **Does the peripheral blood neutrophil lymphocyte ratio increase as the stage of sarcoidosis progresses?**
Esin Sonkaya (ISTANBUL, Turkey), Sumeyye Alparslan Bekir, Fatma Ozbaki, Selma Aydoğan Eroğlu, Lale Sertçelik, Dildar Duman, Murat Kavas, Meltem Çoban Ağca, Ipek Erdem, Ipek Özmen, Sibel Boğa, Fatma Armağan Hazar, Tülin Sevim, Hatice Türker, Zühal Karakurt
- PA3006** **Glucocorticosteroid therapy as predisposing factor for pulmonary sarcoidosis relapse**
Ievgeniia Merenkova (Kyiv, Ukraine), Yaroslav Dziublyk, Galyna Gumeniuk, Mykola Gumeniuk
- PA3007** **Predictive value of Neutrophil-to-lymphocyte ratio(NLR) and Platelet-to-lymphocyte ratio(PLR) in patients with Sarcoidosis**
Gülistan Karadeniz (Izmir, Turkey), Enver Yalnız, Fatma Ucsular, Gülru Polat, Görkem Vayısoglu
- PA3008** **Monocytes and dendritic cells with hyperinflammatory profile in lungs of sarcoidosis patients**
Anna Smed-Sörensen (Stockholm, Sweden), Rico Lepzien, Sang Liu, Susanna Kullberg, Anders Eklund, Johan Grunewald
- PA3009** **Long-term outcomes of rituximab (RTX) therapy in recurrent Granulomatosis with Polyangiitis (GPA)**
Dariusz Gawryluk (Warszawa, Poland), Justyna Fijolek, Elzbieta Wiatr
- PA3010** **Long-term follow-up of patients with pulmonary sarcoidosis**
Yulia Garmash (Moscow, Russian Federation), Sergey Evgenievich Borisov, Diana Ivanova
- PA3011** **Evaluation of specific immune complexes in patients with pulmonary sarcoidosis.**
Ulia Zinchenko (St Petersburg, Russian Federation), Anna Starshinova, Michael Filatov, Vladimir Burdakov, Sergey Landa, Nina Denisova, Piotr Yablonskiy

PA3012 Clinical features and prognosis of Chinese sarcoidosis patients.
Xiaoqian Ma (BeiJing, China), Huaping Dai, Chen Wang

PA3013 Dynamics of the incidence and primary disability of sarcoidosis in Belarus
Halina L Baradzina (Minsk, Belarus)

PA3014 Sarcoidosis: imagiological findings and their impact on the disease outcome
Margarida Baptista Duarte Barata (Lisboa, Portugal), Ricardo Estêvão Gomes, Carolina Monge, Miguel Lopes, Jorge Soares, José Duarte

PA3015 Psychological impact of diffuse infiltrative lung disease
Iobna Loued (MONASTIR, Tunisia), Sonia Toujani, Abir Hedhli, Sana Cheikhrouhou, Yassine Ouahchi, Meriem Mjid, Samira Meraii

TP-38

Session 299

12:50 - 14:40

Thematic poster: Pitfalls in the diagnosis and management of rare diffuse parenchymal lung diseases (DPLDs)

Disease(s) : **Interstitial lung diseases** Pulmonary vascular diseases

Method(s) : Endoscopy and interventional pulmonology Cell and molecular biology Imaging Epidemiology General respiratory patient care

Chairs : Thomas Wessendorf (Essen, Germany), Paola Faverio (Limbiate (MI), Italy), Phil Molyneaux (London, United Kingdom)

PA3016 Autoimmune pulmonary alveolar proteinosis complicated with sarcoidosis: clinical courses and serum levels of anti-GM-CSF autoantibody
Toru Arai (Osaka, Japan), Takahiko Kasai, Akiko Matsumuro, Chikatoshi Sugimoto, Masaki Hirose, Naoko Takeuchi, Kanako Katayama, Masanori Akira, Masanori Kitaichi, Yoshikazu Inoue

PA3017 Neutralizing capacity of autoantibody against GM-CSF in patients with autoimmune pulmonary alveolar proteinosis
Etsuro Yamaguchi (Nagakute (Aichi), Japan), Kenshi Kosaka, Toshiyuki Yonezawa, Hirofumi Shibata, Ayako Matsubara, Toshio Kato, Hiroyuki Tanaka, Norihito Yokoe, Satoru Ito, Akihito Kubo

PA3018 Our cases with pulmonary alveolar proteinosis
Zuleyha Bingol (Istanbul, Turkey), Gulfer Okumus, Gonca Öcal, Esen Kiyanc

PA3019 Lung cysts in pulmonary alveolar proteinosis.
Maria Kokosi (London, United Kingdom), Peter Saunders, Phil L Molyneaux, Peter M George, George Margaritopoulos, Vasileios Kouranos, Thomas Pickworth, Felix Chua, Toby M Maher, Elizabeth Renzoni, Athol U Wells, Cliff Morgan

PA3020 Lung disease caused by non-null ABCA3 mutations: long-term follow-up
Effrosyni D. Manali (Athens, Greece), Nadia Nathan, Caroline Kannengiesser, Periklis Tomos, Aurore Coulomb-L'Hermine, Penelope Korkolopoulou, Periklis G. Foukas, Lykourgos Kolilekas, Konstantinos Kagouridis, Maria Maniati, Stylianos Argentos, Ioanna Korbila, Ioannis P. Tomos, Nikolaos Roussakis, Maria Kallieri, Andrea Schams, Matthias Griese, Theofanis Tsiligiannis, Anna Karakatsani, Stylianos Loukides, Georgios N. Koutsocheras, Angeliki Androu, Marie Legendre, Serge Amselem, Raphael Borie, Bruno Crestani, Spyros A. Papisiris

PA3021 Lung involvement associated with anti-NXP2 autoantibodies: a monocentre observational French study
Julien Bermudez (Marseille, France), Benjamin Coulon, Youssef Trigui, Carine Gomez, Jean-Louis Mege, Nathalie Bardin, Martine Reynaud-Gaubert

PA3022 Genetic interstitial lung disease: an unusual case
Gros Marion (Fontenay sous bois, France), Alix De Becdelièvre, Daphne Lehalle, Celine Delestrain, Annick Le Floch, Benoit Funalot, Pascale Fanen, Ralph Epaud

PA3023 Effect of MUC5B gene polymorphism on survival in a Lebanese population of patients with idiopathic pulmonary fibrosis
Georges Dabar (Beyrouth, Lebanon), Zeina Aoun, Moussa Riachi, Jacques Boutros, Georges Khayat

PA3024 Acute eosinophilic pneumonia due to heroin inhalation
Canan Dogan (Izmir, Turkey), Hacı Ahmet Bircan

PA3025 Relapse predictive factors of chronic eosinophilic pneumonia
Naoko Takeuchi (Sakai, Japan), Toru Arai, Yumiko Sasaki, Yoshinobu Matsuda, Kanako Katayama, Chikatoshi Sugimoto, Kazunobu Tachibana, Seiji Hayashi, Masanori Akira, Takahiko Kasai, Masanori Kitaichi, Yoshikazu Inoue

PA3026 Eosinophilic Pneumonia Due to Sulphasalazine Use
Sinem Nedime Sökücü (Istanbul, Turkey), Cengiz özdemir, özlem Kahya, Seda Tural öNür

- PA3027 Pulmonary toxicity to mesalazine**
Maria Raquel Araújo Pereira (Braga, Portugal), Maria João Araújo, Filipa Lemos Aguiar, Joana Vale Lages, Ana Luisa Vieira, João Filipe Cruz
- PA3028 Disease characteristics and outcomes in a Swedish cohort of patients with pulmonary fibrosis (PF)**
Magnus Sköld (Stockholm, Sweden), Karen Bartley, Aaron Levine, Lisen Arnheim-Dahlstrom, Klaus-Uwe Kirchgaessler, Ragnar Linder, Christer Janson, Giovanni Ferrara
- PA3029 Transbronchial cryobiopsy in interstitial lung disease**
Lars Hagmeyer (Haan, Germany), Dirk Theegarten, Marcel Treml, Anja Pietzke-Calcagnile, Simon Dominik Herkenrath, Winfried J. Randerath
- PA3030 Prevalence of progressive fibrosing interstitial lung disease**
Amy Olson (Denver, United States of America), Nadine Hartmann, Rozsa Schlenker-Herceg, Laura Wallace
- PA3031 Smoking-related interstitial fibrosis (srif): A new entity?**
Elizabeth De Freitas Gonzalez (, Spain), Jesús Villegas Alcázar, Raúl Almeida Cabrera, Carlos Mier Bango, Laura Sierra Herranz, Javier Juan García, Inmaculada Herráez Ortega, Nieves Alonso Orcajo, Silvia García García, Elena Bollo De Miguel
- PA3032 Atypical presentation of a rare lung condition: axillary and paraspinal lymphadenopathy in a patient with clinical and radiological features of lymphangioleiomatosis (LAM)**
Ajikumar Kavidasan (London, United Kingdom), Vicky Taylor, Sajid Chaudhry, Rosh Siva, Yogini Raste
- PA3033 Case of lymphangioleiomyomatosis complicated by severe alveolar hemorrhagic syndrome**
Oxana Fesenko (Moscow, Russian Federation), Svetlana Shwaiko, Zhanna Sheykh, Oxana Paklina, Eugene Kulaeva
- PA3034 False-positive PET-CT scan secondary to interstitial pneumonitis mimicking malignancy in fire eater's lung**
Ayse Baccioglu (Ankara, Turkey), Dilek Eraslan, Sule Halici, Fusun Kalpaklioglu
- PA3035 The presence of staphylococcal superantigens in nasal swabs and correlation with activity of granulomatosis with polyangiitis (GPA) in own material.**
Justyna Fijolek (Warszawa, Poland), Elzbieta Wiatr, Violetta Petroniec, Ewa Augustynowicz-Kopec, Michal Bednarek, Dariusz Gawryluk, Magdalena Maria Martusewicz-Boros, Katarzyna Modrzewska, Elzbieta Radzikowska, Kazimierz Roszkowski-Sliz

TP-39

Session 300

12:50 - 14:40

Thematic poster: Pulmonary hypertension: therapy

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging Surgery Epidemiology Physiology Cell and molecular biology General respiratory patient care Transplantation

Chairs : Zhi-Cheng Jing (Beijing, China), Jason Weatherald (Calgary (AB), Canada), Horst Olschewski (Graz, Austria), Gérald Simonneau (Le Kremlin-Bicêtre, France)

- PA3036 Pharmacokinetic (PK) interaction of fixed-dose combination (FDC) antiretrovirals (ARV) with riociguat (rio)**
Soundos Saleh (Wuppertal, Germany), Edwin Dejesus, Dorina Van Der Mey, Corina Becker, Reiner Frey, Sigrun Unger, Wolfgang Mueck
- PA3037 Clinical pharmacokinetic (PK) performance of a ralinepag extended-release (XR) tablet**
John Grundy (San Diego, United States of America), Anthony Blackburn, Ed Parsley, Yong Tang, Christopher King, John Adams
- PA3038 Inhaled liposomal iloprost shows high drug encapsulation, extended release profile and potentials of improving patient compliance**
Pei Kan (Taipei, Taiwan), Ko-Jie Chen, Chin-Feng Hsu, Yi-Fong Lin
- PA3039 Acute response of iloprost inhalation using the BreeLib nebulizer in pulmonary arterial hypertension: the BreeLib acute study**
Manuel Jonas Richter (Gießen, Germany), Jens Axmann, Ardeschir Ghofrani, Andreas Rieth, Werner Seeger, Khodr Tello, Henning Gall
- PA3041 Urocortin-2 improves right ventricular function and attenuates experimental pulmonary arterial hypertension**
Rui Miguel Costa Adão (Oliveira de Azeméis, Portugal), Pedro Mendes-Ferreira, Diana Santos-Ribeiro, Carolina Maia-Rocha, Luís Pimentel, Cláudia Pinto, Eamon P. Mulvaney, Helen M. Reid, B. Therese Kinsella, François Potus, Sandra Breuils-Bonnet, Miriam T. Rademaker, Steeve Provencher, Sebastián Bonnet, Adelino Leite-Moreira, Carmen Brás-Silva

- PA3042** **Effects on Right Ventricular size and function by Riociguat in Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension (The RIVER Study)**
Satenik Harutyunova (Heidelberg, Germany), Alberto Maria Marra, Nicola Benjamin, Christina Eichstaedt, Benjamin Egenlauf, Christine Fischer, Henning Gall, Hossein Ardeschir Ghofrani, Michael Halank, Marius Hoeper, Tobias Lange, Karen Olsson, Ekkehard Grünig
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- PA3043** **Interim analysis of pulmonary arterial hypertension (PAH)-targeted background therapy in SPHERE (Selexipag: the usErs dRug rEgistry)**
Vallerie McLaughlin (Ann Arbor, MI, United States of America), Kelly Chin, Harrison Farber, Kristin Highland, Anna Hemnes, Murali Chakinala, Carol Zhao, Mike Keating, Nick H. Kim
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- PA3044** **Impact of treatment strategy in survival of patients with idiopathic pulmonary arterial hypertension. Real world evidence from Spanish National Pulmonary Hypertension Registry (REHAP)**
Ana Jaureguizar Oriol (Madrid, Spain), Esther Barbero Herranz, Carlos Andrés Quezada Loaiza, Deisy Barrios Barreto, Antonio Román Broto, Javier Segovia Cubero, Teresa Elías Hernández, Sergio Cadenas Menéndez, Pedro Bedate Díaz, Isabel Blanco Vich, Pilar Escribano Subías
-
- PA3045** **Switching to macitentan in pulmonary arterial hypertension**
Iraklis Tsagkaris (Athens, Greece), Eleni Vrigkou, Dimitris Konstantonis, Frantzeska Frantzeskaki, Athanasios Pappas, Konstantina Ntai, Eleni Stagaki, Apostolos Armaganidis, Stylianos Orfanos
-
- PA3046** **A single-centre, placebo-controlled, double-blinded, randomized, cross-over study of Iloprost in patients with Eisenmenger syndrome**
Heba Nashat (London, United Kingdom), Carl Harries, Lisa Parfitt, Emily Shaw, Aleksander Kempny, Laura C Price, Michael A Gatzoulis, Konstantinos Dimopoulos, Stephen J Wort
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- PA3047** **Differences in the activity of the angiotensin converting enzyme 2 axis in patients with idiopathic pulmonary arterial hypertension and congenital heart defect related pulmonary hypertension**
Ricardo Teijeiro Paradis (Mexico City, Mexico), Julio Sandoval Zarate, Tomas Pulido Zamudio, Nayeli Zayas Hernadnez
-
- PA3048** **Cough and airway irritation with inhaled treprostinil does not involve activation of laryngeal reflexes.**
Richard W. Chapman (Bridgewater, United States of America), Walter R. Perkins, Vladimir Malinin, Donna M. Konicek, Adam J. Plaut, Zhili Li, Helena Gauani, Annie Bouchard, Sandra Gagnon, Lisa Turcotte, Charles-E Laurent, Dany Salvail, Michel R. Corboz
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- PA3049** **Acute hemodynamic effects of riociguat in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension**
Manuel Jonas Richter (Gießen, Germany), Adrian Kambakamba, Khodr Tello, Jens Axmann, Henning Gall, Ardeschir Ghofrani, Stefan Guth, Christoph Wiedenroth
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- PA3050** **Efficacy and safety of tadalafil in portopulmonary hypertension**
Mitja Jevnikar (Paris, France), Nathan Ebstein, Xavier Jais, Athenais Boucly, David Montani, Marc Humbert, Olivier Sitbon, Laurent Savale
-
- PA3051** **The effects of a 10-weeks-pulmonary rehabilitation program on exercise performance, muscle strength and quality of life in patients with pulmonary hypertension.**
Thomas Koudstaal (Rotterdam, Netherlands), Monique Wapenaar, Dirk Van Ranst, Ruud Beesems, Leon Van Den Toorn, Karin Boomars
-
- PA3052** **Clinical efficacy of Macitentan in patients with Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension**
Heba Nashat (London, United Kingdom), Rosa Da Costa, Joanna Barbosa, Carl Harries, Aleksander Kempny, Laura C Price, Colm McCabe, Michael A Gatzoulis, Konstantinos Dimopoulos, Stephen J Wort
-
- PA3053** **Initial dual oral combination therapy in inoperable chronic thromboembolic pulmonary hypertension (CTEPH)**
Michael Gabrielly (Paris, France), Delphine Bourlier, Yu Taniguchi, Mitja Jevnikar, Ayumi Sekine, Athénaïs Boucly, Etienne-Marie Jutant, Florence Parent, Laurent Savale, David Montani, Gerald Simonneau, Marc Humbert, Olivier Sitbon, Xavier Jais
-
- PA3054** **Safety of riociguat for chronic thromboembolic pulmonary hypertension (CTEPH): Interim data from a prospective non-interventional study in Japan**
Nobuhiro Tanabe (Chiba City, Japan), Takeshi Ogo, Masaru Hatano, Yoichi Tazaki, Toshiyuki Sunaya, Akira Saikawa, Toshiaki Sakaguchi
-
- PA3055** **Effects of sildenafil as a bridge therapy for pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension**
Shigefumi Fukui (Osaka, Japan), Massimiliano Palazzini, Enrico Gotti, Davide Pacini, Sofia Suarez, Takeshi Ogo, Satoshi Yasuda, Alessandra Manes, Norifumi Nakanishi, Nazzareno Galie

TP-40

Session 301

12:50 - 14:40

Thematic poster: Experimental research in pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Cell and molecular biology Physiology

Chairs : David Montani (Le Kremlin-Bicêtre, France), Frances S. De Man (Amsterdam, Netherlands), Soni Savai Pullamsetti (Bad Nauheim, Germany), Christophe Guignabert (Paris, France)

- PA3056 Extracellular vesicles derived from mesenchymal stem cells prevent pulmonary vascular dysfunction induced by lipopolysaccharide (LPS).**
Sergio Esquivel-Ruiz (Madrid, Spain), Bianca Barreira, María Álvarez-Fuente, Anthony Gurjian, Pedro Hernández-Hernández, África González-Murillo, Manuel Ramírez-Orellana, María Jesús Del Cerro, Ángel Cogolludo, Francisco Pérez-Vizcaino, Laura Moreno
- PA3057 Common genetic basis for pulmonary arterial hypertension and high altitude pulmonary edema**
Christina Eichstaedt (Heidelberg, Germany), Heimo Mairbäurl, Jie Song, Nicola Benjamin, Christine Fischer, Katrin Hinderhofer, Ekkehard Grünig
- PA3058 BMPR2 mRNA functioning as competing endogenous RNA in pulmonary arterial hypertension associated with systemic-to-pulmonary shunts**
Kai Ma (Beijing, China), Lei Qi, Hao Zhang, Sen Zhang, Fengpu He, Guanxi Wang, Zicong Feng, Shoujun Li
- PA3059 Impact of treprostinil on dynamin-related protein 1 (DRP1) and mitochondrial fragmentation in pulmonary arterial hypertension (PAH).**
Jerjes Abu-Hanna (London, United Kingdom), Jan-Willem Taanman, David Abraham, Lucie Clapp
- PA3060 Gene-Gene Interaction between EPAS1 and EGLN1 in Patients with High-Altitude Pulmonary Edema**
Toshimichi Horiuchi (Matsumoto, Japan), Yunden Droma, Fumiya Kinota, Nobumitsu Kobayashi, Masao Ota, Masayuki Hanaoka
- PA3061 Kv1.5 channels and endothelium-dependent relaxation are downregulated by miR-1 in rat pulmonary arteries.**
Gema Mondejar-Parreño (Madrid, Spain), María Callejo, Bianca Barreira, Daniel Morales-Cano, Laura Moreno, Sergio Esquivel-Ruiz, Ángel Cogolludo, Francisco Pérez-Vizcaino
- PA3062 Stabilised ferroportin activity affects pulmonary vascular cells responses: implications for pulmonary hypertension**
Sofia Pedersen (LONDON, United Kingdom), Quezia Toe, S John Wort, Gregory J Quinlan*, Latha Ramakrishnan*
- PA3063 Activation of the Beta-3 adrenoceptor in experimental pulmonary hypertension**
Pedro Mendes Ferreira (Guimarães, Portugal), Rui Adao, Rozenn Quarck, Catharina Belge, Marion Delcroix, Carmen Bras-Silva
- PA3064 Pulmonary Hypertension in Female Rats: Estrogens and Age Influence**
Ana Obeso (Valladolid, Spain), Elena Olea, Asuncion Rocher, Ana Gordillo, Angela Gomez-Niño, Jesus Prieto-Lloret
- PA3065 Leukotriene-mediated sex dimorphism in pulmonary arterial hypertension monocrotaline-induced rat.**
Angela Liparulo (Naples, Italy), Giuseppe Spaziano, Teresa Palmira Russo, Antonietta Rossi, Fiorentina Roviezzo, Rosanna Filosa, Manuela Sgambato, Gioia Tartaglione, Renata Esposito, Bruno D'Agostino
- PA3066 Targeting CCR2 and CCR5 to inhibit macrophage/pulmonary artery smooth muscle cells cross-talk in pulmonary hypertension**
Shariq Abid (Creteil, France), Aurelien Parpaleix, Elisabeth Marcos, Valérie Amsellem, Amal Houssaïni, Marielle Breau, Daigo Sawaki, Emilie Bizard, Marion Delcroix, Rozenn Quarck, Larissa Lipskaia, Serge Adnot
- PA3067 Effect of BMPRII on endothelial function in human lung microvascular endothelial cells**
Birger Tielemans (Leuven, Belgium), Rik Gijssbers, Annelies Michiels, Allard Wagenaar, Ricard Farre Marti, Catharina Belge, Marion Delcroix, Rozenn Quarck
- PA3069 Reduce expression of endothelial nitric oxide synthase lead to more severe pulmonary complex vascular lesions associated with HIV**
Jose Luis Sandoval Gutierrez (México D.F, Mexico), Rosa Maria Rivera Morales, Juan Rodriguez Silverio
- PA3070 Cold exposure lowered miR-21-5p expression in monocrotaline induced pulmonary artery hypertension.**
Fausto Sanchez Munoz (mexico, Mexico), José Sánchez, Roxana Carbó, Adrián Hernández, Rafael Bojalil, Julio Sandoval, Fausto Sánchez
- PA3071 Maladaptive Pulmonary vascular responses to chronic intermittent and sustained hypoxia in a rat hypertension model**
Asuncion Rocher Martin (Valladolid, Spain), Jesus Prieto-Lloret, Inmaculada Docio, Elena Olea, Maria Llanos Bravo, Ana Obeso, Angela Gomez-Niño

PA3072 **The effect of Monoamine oxidase A inhibition on experimentally induced pulmonary arterial hypertension**
Xiao-Qing Sun (Amsterdam, Netherlands), Eva Peters, Ingrid Schalij, Stine Andersen, Denielli Da Silva Goncalves Bos, Anton Vonk-Noordegraaf, Frances S De Man, Willen Van Der Laarse, Harm Jan Bogaard

PA3073 **Echocardiographic and histomorphometric assessment of the effects of pharmacological antagonism of endothelin receptors in the Sugan 5416/hypoxia rat model of pulmonary hypertension**
Silvia Cantoni (Parma, Italy), Stefano Cavalli, Fiorella Pastore, Romina Nassini, Francesco De Logu, Gino Villetti, Fabrizio Facchinetti

PA3074 **Effects of acute increases in right ventricular preload and afterload on pulmonary artery pulse pressure in a chronic thromboembolic hypertension model**
David Boulate (Le Plessis-Robinson, France), Denis Chemla, Fanny Loisel, Benoit Decante, Philippe Herve, François Haddad, Elie Fadel, Olaf Mercier

PA3075 **Lower than expected pulsatile pulmonary arterial load in a thromboembolic pulmonary hypertension model**
David Boulate (Le Plessis-Robinson, France), Denis Chemla, Fanny Loisel, Mathieu Coblenz, Bastien Provost, Benoit Decante, Philippe Herve, Elie Fadel, Olaf Mercier

TP-41

Session 302

12:50 - 14:40

Thematic poster: Clinical aspects of pulmonary hypertension

Disease(s) : [Pulmonary vascular diseases](#) [Respiratory critical care](#)

Method(s) : Respiratory intensive care Imaging Epidemiology Physiology Cell and molecular biology Public health General respiratory patient care Surgery

Chairs : Laurent Savale (Le Kremlin-Bicêtre, France), Frédéric Lador (Genève 14, Switzerland), Irene Lang (Wien, Austria), Sean Gaine (Dublin, Ireland)

PA3076 **Identifying chronic thromboembolic pulmonary hypertension (CTEPH) through French national hospital database (PMSI)**
Vincent Cottin (Lyon, France), Simon Teal, Daphné Avot, Laurie Lévy-Bachelot, Carl Baxter, Aurore Palmero, Laura Catella, Stève Bénard, Olivier Sitbon

PA3077 **Clinical characteristics and prognosis in patients with chronic thromboembolic pulmonary hypertension and a psychiatric disorder**
Hiroshi Tajima (Chiba, Japan), Hajime Kasai, Hideki Miwa, Akira Naitou, Toshihiko Sugiura, Seiichiro Sakao, Nobuhiro Tanabe, Koichiro Tatsumi

PA3078 **Prevalence of chronic thromboembolic pulmonary hypertension (CTEPH) in patients after pulmonary embolism**
Valentina Dimitrova (Varna, Bulgaria), Diana Petkova, Velin Stratev, Tanya Dobreva

PA3079 **Good outcomes following elective lower limb orthopaedic surgery in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension**
Mikaela Ming (Sheffield, United Kingdom), Amanda Nair, Sarah Saunders, Robin Condliffe, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Robert Lewis, Iain Armstrong, Paul Sephton, Neil Hamilton, Robert Kerry, David Kiely

PA3080 **Anomalous pulmonary venous drainage (APVD) in patients with suspected pulmonary hypertension (PH)**
Robert Lewis (Sheffield (South Yorkshire), United Kingdom), Catherine Billings, Christopher Johns, Judith Hurdman, Neil Hamilton, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Jim Wild, Andrew Swift, David Kiely, Robin Condliffe

PA3081 **Survival in portopulmonary hypertension (PoPH) in the era of modern PAH-targeted therapy**
Laurent Savale (Le Kremlin-Bicêtre, France), Nathan Ebstein, Mitja Jevnikar, Xavier Jaïs, Florence Parent, Athenais Boucly, Gerald Simonneau, David Montani, Marc Humbert, Olivier Sitbon

PA3082 **Real world data from hospital episode statistics can be used to determine patients at risk of idiopathic pulmonary arterial hypertension**
David Kiely (Sheffield (South Yorkshire), United Kingdom), Allan Lawrie, Orla Doyle, Valentina Salvatelli, Flora Daniels, Edmund Drage, Harvey Jenner, John Rigg, Claude Schmitt, Yevgeniy Samyshkin, Rito Bergemann

PA3083 **Possible pathophysiological role of vitamin D deficit in pulmonary arterial hypertension**
Maria Callejo (Madrid, Spain), Daniel Morales-Cano, Gema Mondejar-Parreño, Bianca Barreira, Sergio Esquivel-Ruiz, Laura Moreno, Pilar Escribano, Isabel Blanco, Joan Albert Barberà, Angel Cogolludo, Francisco Perez-Vizcaino

PA3084 **PEGASUS - the effects of commercial air travel on patients suffering from pulmonary hypertension - a prospective, multicenter, multinational study**
Henning Gall (Gießen, Germany), Lukas Becker, Jan Grimminger, Manuel Jonas Richter, Natascha Sommer, Khodr Tello, Werner Seeger, Hans Klose, Silvia Ulrich, Michael Halank, Christian Opitz, Ekkehard Gruenig, Ardeschir Ghofrani

- PA3085 Assessing the financial impact of pulmonary hypertension: a survey by the UK Pulmonary Hypertension Association (PHA-UK)**
Iain Armstrong (Sheffield (South Yorkshire), United Kingdom), Catherine Billings, Shaun Clayton, Janelle Yorke, Carl Harries, David Kiely
- PA3086 The phenotype of the Adult Mexican Patient with Pulmonary Arterial Hypertension: Baseline characteristics of the REMEHIP Registry. The REMEHIP Investigators.**
Julio Sandoval Zárate (México D.F, Mexico), Tomás Pulido Zamudio, Carlos Jerjes Sanchez Z Diaz, Alicia Ramirez, Miguel Beltran, Mario Seoane, Juan Francisco Moreno, Pedro Gutiérrez-Fajardo, Jose Javier Elizalde, Guillermo Cueto, Humberto García, Rodolfo Parra
- PA3087 Ventricular mass index predicts mortality in incident patients with PAH**
Catherine Simpson (Baltimore, United States of America), Rachel Damico, Stephen C. Mathai, Todd Kolb, Rubina Khair, Stefan Zimmerman, Paul M. Hassoun
- PA3088 Cancer incidence in incident patients with precapillary pulmonary hypertension.**
Elodie Bravos (Vienne, France), Vincent Cottin, Claire Dauphin, H el ene Bouvaist, Julie Traclet, Romain Tr esorier, Souad Bezzeghoud, Kais Ahmad, Sandrine Accassat, Elodie De Magalhaes, Jean-Fran ois Mornex, Christophe Pison, Laurent Bertoletti
- PA3089 Determinants and prognostic value of kidney disease in pulmonary arterial hypertension**
Vincent Cottin (Lyon, France), Laurent Bitker, Florence Sens, Cecile Payet, S eGol ne Turquier, Julie Traclet, Kais Ahmad, Sabrina Zeghmar, Jean-Fran ois Mornex, Antoine Duclos, Laurent Juillard
- PA3090 Pulmonary Hypertension in Hemodialysis Patients**
Mohamed Abdelghany (Assiut, Egypt), Ahmad Bahei, Walaa Hosny
- PA3091 Critical care admissions in patients with pulmonary arterial hypertension.**
Laura Price (London, United Kingdom), Colm McCabe, Sophie Herbert, Tc Aw, David Alexander, Susanna Price, Stephan Ledot, Aleksander Kempny, Carl Harries, John Wort, Konstantinos Dimopoulos
- PA3092 EARLIER: End tidal carbon dioxide for earlier detection of pulmonary hypertension**
Henning Gall (Gießen, Germany), Sophie Herbst, Manuel Richter, Natascha Sommer, Khodr Tello, Werner Seeger, Ardeschir Ghofrani
- PA3093 Capillaroscopic findings in patients with pulmonary arterial hypertension**
Liliana Bonola (Ciudad de M xico, Mexico), Julio Sandoval, Tom s Pulido, Nayeli Zayas
- PA3094 Cirrhose cardiaque in pulmonary hypertension- a case series.**
Marianne Lerche (Leipzig, Germany), Armin Frille, Hubert Wirtz, Johannes Wiegand, Volker Keim, Thomas Karlas, Sophie Tegelkamp, Hans- J rgen Seyfarth
- PA3095 Epidemiological and Clinical aspects of pulmonary arterial hypertension (PAH)**
Rachida Yahiaoui (Alger, Algeria), Zakia Bennoui, Djenette Hakem, Rabah Amrane, Rafika Boughrarou

TP-42

Session 303

12:50 - 14:40

Thematic poster: Pulmonary hypertension in lung diseases and the role of the right ventricle

Disease(s) : Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases Respiratory critical care Airway diseases

Method(s) : Public health Cell and molecular biology General respiratory patient care Epidemiology Imaging Physiology

Chairs : Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Stephen Wort (Hampton (Middlesex), United Kingdom), Joan Albert Barber  (Barcelona, Spain), Chair to be confirmed

- PA3096 Screening for pulmonary arteriovenous malformations in hereditary haemorrhagic telangiectasia in the French national reference centre**
Victor Margelidon-Cozzolino (Lyon, France), Chah ra Khouatra, Kais Ahmad, Julie Traclet, Nader Chebib, Sophie Dupuis-Girod, Vincent Cottin

- PA3097 10 years' experience of referral of ILD patients with Suspected PH to a National PH Service: Demographics and Outcomes**
S. John Wort (London, United Kingdom), Simon Bax, Joseph Jacobs, Vasilis Kouranos, Charlene Bredy, Konstantinos Dimopoulos, Aleksander Kempny, Simon Walsh, Arjun Nair, Maria Kokosi, Gregory Kier, Elisabetta Renzoni, Felix Chua, Peter George, Colm McCabe, Michael Wilde, Arnie Devaraj, Athol Wells, Laura Price*

- PA3098 Multi-institutional prospective registry in pulmonary hypertension associated with respiratory disease in Japan.**
Nobuhiro Tanabe (Chiba City, Japan), Hiraku Kumamaru, Yuichi Tamura, Hiroyuki Taniguchi, Noriaki Emoto, Yoshihito Yamada, Osamau Nishiyama, Ichizo Tsujino, Hiroshi Kuraishi, Hiroshi Kimura, Yoshikazu Inoue, Yoshiteru Morio, Yasuto Nakatsumi, Toru Satoh, Masayuki Hanaoka, Tomohiro Handa, Mitsuhiro Sumitani, Kei Kusaka, Yoshihiro Nishimura, Fumio Sakamaki, Masaru Hatano, Hiromi Matsubara, Kazuhiko Nakayama, Tomoki Kimura, Seiichi Sakao, Masaharu Nishimura, Hiroaki Miyata, Koichiro Tatsumi
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- PA3099 Pulmonary hypertension in patients with idiopathic pulmonary fibrosis and combined pulmonary fibrosis and emphysema: hemodynamic severity**
Maria Laura Graziani (Roma (RM), Italy), Martine Reynaud-Gaubert, Emmanuel Gomez, Julie Traclet, Kaïs Ahmad, Emmanuel Bergot, Laurent Bertoletti, Boubou Camara, Dominique Israël-Biet, Xavier Jaïs, Lize Kiakouama-Maleka, Sylvain Marchand-Adam, David Montani, Anna Nieves, Hilario Nunes, Fabrice Piegay, Lidwine Wemeau-Stervinou, Virginie Zarza, Stéphanie Polazzi, Anne-Marie Schott-Pethelaz, Sabrina Zeghmar, Mouhamad Nasser, Vincent Cottin
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- PA3100 Pulmonary hypertension in hypersensitivity pneumonitis.**
Adrienn Tornyos (Graz, Austria), Martin Trinker, Vasile Foris, Susanne Pfeiffer, Balazs Odler, Philipp Douschan, Alexander Avian, Andreas Leitner, Andrea Olschewski, Gabor Kovacs, Horst Olschewski
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- PA3101 Sildenafil in Patients with Severe Group 3 Pulmonary Hypertension**
Laura Price (London, United Kingdom), Aleksander Kempny, Colm McCabe, Kostantinos Dimopoulos, Jalpa Kotecha, Carl Harries, Joana Barbosa, Nick Hopkinson, Anita Simonds, Athol Wells, John Wort
-
- PA3102 Borderline pulmonary hypertension is associated with exercise intolerance and increased risk for acute exacerbation in patients with interstitial lung disease**
Mitsunobu Ito (Naka-gun (Ibaraki), Japan), Kenji Nemoto, Shuji Oh-Ishi, Takeshi Yamamoto, Yuya Koshiishi, Akira Ito, Tetsuro Shiraishi, Joichi Yamazaki, Shinji Inamura, Tatsuya Akiyama, Takefumi Saito, Shimao Fukai
-
- PA3103 Diagnostic accuracy of echocardiography in pulmonary hypertension due to interstitial lung disease**
Henning Gall (Gießen, Germany), Charlotte Heinze, Manuel Richter, Natascha Sommer, Khodr Tello, Hossein Ardeschir Ghofrani, Werner Seeger
-
- PA3104 Role of quantitative computed tomography in patients with severe precapillary pulmonary hypertension**
Florence Coste (Bordeaux, France), Ilyes Benlala, Gael Dournes, Claire Dromer, Elodie Blanchard, Francois Laurent, Patrick Berger
-
- PA3105 CT Based Arterial and Venous Morphologic Changes In Pulmonary Hypertension Associated with COPD**
Farbod Rahaghi (Boston, United States of America), Vivian Paz, Pietro Nardelli, James Ross, Raúl San José Estépar, George Washko, Franck Rahaghi
-
- PA3106 Potential role of inflammatory factors in Sleep Apnea Hypopnea Syndrome associated pulmonary hypertension**
Jin Zhang (Yinchuan (Ningxia), China), Shaojin Wang, Peng Zhang
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- PA3107 Association of pulmonary hypertension with sleep apnea in highlanders**
Talantbek Sooronbaev (Bishkek, Kyrgyzstan), Michael Furian, Maamed Mademilov, Bermet Estebesova, Batyr Osmonov, Nuriddin Marajapov, Ulan Sheraliev, Philipp M Scheiwiller, Mona Lichtblau, Stephanie Saxer, Patrick R Bader, Thierry Rochat, Silvia Ulrich, Konrad E Bloch
-
- PA3108 Pulmonary arterial pressure predicts nocturnal hypoxemia in CTEPH patients.**
Catharina Belge (Leuven, Belgium), Dries Testelmans, Bertien Buyse, Marion Delcroix
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- PA3109 HIGH RATE OF SLEEP DISTURBANCE ABNORMALITIES IN A STABLE PULMONARY HYPERTENSION COHORT**
Vanina Giovini (Ciudad Autónoma Buenos Aires, Argentina), Mariano Mazzei, Nicolas Atamañuk, Diego Liteuka, Nogueira Facundo
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- PA3110 Effect of e-cigarette vapour extraction on vasoactive gene expression in human pulmonary artery smooth muscle and endothelial cells.**
Abdullah Alqarni (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Alice Pasini, Mohammed Alshehri, Linhua Pang
-
- PA3111 Right ventricular tissue doppler echocardiography in pulmonary hypertension**
Susanne Pfeiffer (Graz, Austria), Alexander Avian, Philipp Douschan, Vasile Foris, Andrea Olschewski, Horst Olschewski, Gabor Kovacs
-
- PA3112 NT-proBNP variation in stable pulmonary arterial hypertension patients.**
Ines Furtado (Vila do Conde, Portugal), Célia Cruz, Ana Vigário, Sandra Correia, Luísa Carvalho, Fabienne Gonçalves, Mário Santos, Abílio Reis
-
- PA3113 Evaluation of the Validity and Reliability of the Turkish Translation of the Emphasis-10 Questionnaire In Patients with Pulmonary Hypertension**
Pinar Odevoglu (Istanbul, Turkey), Rengin Demir, Gülfer Okumuş, Serdar Küçükoglu, Gökşen Kuran Aslan

PA3114 The Post-Embolic Syndrome: Right Ventricular Post-injury Dysfunction?
Cristina Sanchez Vieco (Vitoria-Gasteiz, Spain), Jose Luis Lobo-Beristain, Ángel Alonso-Gómez, Agustina Rivas-Guerrero, Julia Amaranta García-Fuertes, Raquel Cobos-Campos, Remedios Otero-Candelera, Grupo Osiris

PA3115 Effects of suramin on cardiopulmonary capacity and pulmonary venous contraction in pulmonary arterial hypertension
Marisol Barros (Santiago, Chile), Marcelo Fonseca, Rodrigo Torres-Castro, Mauricio Henriquez

TP-43 Session 304 12:50 - 14:40

Thematic poster: Diagnosis, prognostication and treatment of pulmonary embolism

Disease(s) : Pulmonary vascular diseases Respiratory critical care Airway diseases

Method(s) : Imaging Epidemiology Respiratory intensive care General respiratory patient care

Chairs : Olivier Sanchez (Paris, France), David Jiménez Castro (Madrid, Spain), Chair to be confirmed

PA3116 Multiorgan ultrasonography for the diagnosis of pulmonary embolism
Rosen Petkov (Sofia, Bulgaria), Nedelina Kurtelova, Yordanka Yamakova, Evgeni Mekov

PA3117 Non-Contrast Chest CT Scans In Detection Of Pulmonary Thromboembolism
Lamia Shaaban (Assiut, Egypt), Moustafa H M Othman, Hazem Abozaid, Nefisa D Mohamed

PA3118 Can age-adjusted D-dimer be used to decrease the CTPA burden in a general hospital?
Kyra Bartolo (Attard, Malta), Christine Cannataci, Christopher Zammit, Joelle Azzopardi, Julian Cassar, Paula Grech, Gabriel Borg, Brendan Caruana Montaldo

PA3119 High « red cell distribution width » levels can predict pulmonary embolism risk in multiple trauma patients: a case control study.
Syrine Chouchane (Sousse, Tunisia), Mohamed Kahloul, Chawki Jebali, Marwa Chaabani, Sana Aissa, Mohamed Aymen Jaouadi, Habiba Ben Hamada, Mohamed Said Nakhli, Walid Najja

PA3120 The value of on-admission serum Sodium level on 30-day outcome in acute pulmonary embolism
elnaz firoozehi (tehran, Islamic Republic of Iran), Neda Faraji, Hamidreza Abtahi, Soheil Peiman

PA3121 Pulmonary Embolism: central vs. peripheral - different presentations and different outcomes?
Filipa De Castro Lima (Póvoa de Varzim, Portugal), Nuno China Pereira, Carla Ribeiro, Eloísa Silva, Manuela Vanzeller, Teresa Shiang

PA3122 Rivaroxaban versus low-molecular-weight heparin for venous thromboembolism in gastrointestinal and pancreatobiliary cancer
Jang ho Lee (Seoul, Republic of Korea), Jae Seung Lee

PA3123 Use and results of fibrinolysis in pulmonary embolism. Experience in a tertiary hospital.
Ana Torrents Vilar (Valencia, Spain), Alberto Garcia Ortega, Marcos Prado Barragan, Raquel Lopez Reyes

PA3124 Half-dose thrombolysis for intermediate-high risk pulmonary embolism: Case-series from a London hospital
Rishi Gupta (Liverpool (Merseyside), United Kingdom), Keir Philip, Tim Harris

PA3125 Factors affecting recurrence and bleeding complications in patients with venous thromboembolism
Yasemin Ates (Istanbul, Turkey), Züleyha Bingöl, Gülfer Okumuş, Orhan Arseven

PA3126 Recurrence and bleeding in the extended treatment of patients with pulmonary embolism (PE) and cancer
Letizia Marconi (Pisa (PI), Italy), Valentina Foci, Marco Lazzarotti, Antonio Palla

PA3127 Massive and sub-massive pulmonary embolism (PE) long-term follow up data: Is there a need for dedicated PE clinics?
Abdullah Abbasi (Stoke on trent, United Kingdom), Muhammad Ganaie, Sannaan Irshad, Syeda Adil, Mohammed Haris, Muhammad Iqbal

PA3128 Epidemiology of Pediatric Pulmonary Embolism in Slovenia, 2006-2016.
Paola Pascolo (Trieste (TS), Italy), Nika Morgan, Marina Praprotnik, Barbara Faganel Kotnik, Matija Kozak, Bojana Pinter, Uros Krivec

PA3129 Clinical characteristics and outcome of patients with Behçet's Disease and thrombosis
Serhat Erol (Ankara, Turkey), Hasan Hasanzade, Fatma Ciftci, Ahmet Onur Dastan, Aydin Ciledag, Banu Eris Gulbay, Akin Kaya, Gokhan Celik, Turan Acican

PA3130 Hughes-Stovin syndrome, a rare cause of thrombosis and pulmonary artery aneurysm: a case report
Selma Yalçın (Ankara, Turkey), Emine Bahar Kurt, Cem İşler, Kerem Ensarioğlu

PA3131 Pulmonary onset and complications of intravenous drug users infective endocarditis
Alex A. Demin (Novosibirsk, Russian Federation), Vera Drobysheva

TP-44

Session 305

12:50 - 14:40

Thematic poster: Medical education via the web and the internet

Disease(s) : Respiratory infections Respiratory critical care Airway diseases Thoracic oncology Interstitial lung diseases
Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care Epidemiology Public health General respiratory patient care

Chairs : Robert Primhak (Sheffield (South Yorkshire), United Kingdom), Stylianos Loukides (Athens, Greece), Frank W.J.M. Smeenk (Eindhoven, Netherlands), Chair to be confirmed

PA3132 Conceptualization of the clinical diagnosis components for digital coding in structured electronic data-bases of phthiosipulmonology.
Tatyana Lugovkina (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Tulkova, Serge Skorniyakov, Igor Medvinskiy, Evgeniy Egorov

PA3133 Recognising Excellence in Respiratory Medicine
Rachel Jones (Bristol (Avon), United Kingdom), Shelley Barnes, Kathryn Bateman

PA3134 Development of an online resource to support paediatric asthma management: www.beatasthma.co.uk
Jennifer Townshend (Newcastle Upon Tyne (Tyne and Wear), United Kingdom), Louise Hayes, Sally Hails, Austin Toombs, Madeline Balaam

PA3135 How to teach anesthesiologists and intensivists to perform bronchoscopy? Three years experience with practically directed workshops in the Czech Republic
Hana Bartáková (Praha, Czech Republic), Michal Otahal, Vaclav Baca, Jiri Votruba

PA3136 Assessment of physicians and undergraduates in COPD: ASCO-2 study
Kateryna Gashynova (Dnipro, Ukraine), Roman Bontsevich, Olga Kompaniets, Galina Batisheva, Olga Cherenkova, Tatiana Shagieva, Elena Luchinina, Alexandr Leonov, Alina Chernykh, Alina Leonova, Kristina Shchurovskaya, Tatyana Pokrovskaia

PA3137 The effect of an asthma awareness campaign on social media users.
Helmy Haja Mydin (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Sundari Ampikaipakan, Shahid Shayaa, M.R. Partridge

PA3138 Can bronchoscopy be made safer through team-based Simulation?
James Tonkin (London, United Kingdom), Yee-Ean Ong

PA3139 Asthma care pathway
Christine Rolland (Boulogne-Billancourt, France), Marc Sapène

PA3140 The impact of a dedicated multidisciplinary social media team at a national critical care conference
Rachael Moses (North Shields (Tyne and Wear), United Kingdom), Aoife Abbey, Nitin Arora, Rob Cronin, Steve Mathieu, Ganesh Suntharalingam, Jamie Strachan, Tanj Sanghera, Jonathan Downham

PA3141 Comparison of COPD Management Practices with Expert Recommendations among Pulmonologists and Primary Care Providers
Edward Jackson (New York, United States of America), Keith Johnson, Shari Dermer, Fernando Martinez

PA3142 Assessment of Severe Asthma Management Practices among Pulmonologists and Allergists
Edward Jackson (New York, United States of America), Keith Johnson, Shari Dermer, Reynold Panettieri

PA3143 Engaging people at highest risk of an asthma attack
Samantha Walker (London, United Kingdom), Catherine Broadbent, Simon Christmas

PA3144 Patient-reported side effects of oral corticosteroids
Samantha Walker (London, United Kingdom), Catherine Broadbent, Paul Pfeffer, Liz Steed

PA3145 Simulation skill labs to support informal caregivers who care for patients requiring mechanical ventilation at home
Annamaria Bagnasco (Genova (GE), Italy), Milko Zanini, Giuseppe Aleo, Gianluca Catania, Loredana Sasso

PA3146 Do medical and nursing students know correct use of Inhalers? Results of UPSIDE India study
Ashwini Dhupal (Pune (Maharashtra), India), Monica Barne, Sapna Madas, Sushma Jadhav, Jyoti Londhe, Madhuragauri Shevade, Baishakhi Ghosh, Noopur Hedawoo, Dilip Kadam, Sushant Meshram, Ajay Chandanwale, Sandhya Khadse, Sundeep Salvi

PA3147 Diffuse panbronchiolitis is not restricted to east asia - A mini literature review
Ram Mishra (Thane (Maharashtra), India)

PA3148 Systems approach to improving safety with intercostal chest drains (ICD)
Burhan Khan (Dartford, United Kingdom)

PA3149 Training programme on Pediatric Asthma: What is the impact of a 1 day training programme in improving level of knowledge about Asthma amongst practicing pediatricians in India?
Monica Barne (Pune (Maharashtra), India), Noopur Hedawoo, Nisha Kale, Sapna Madas, Sundeep Salvi

TP-45

Session 306

12:50 - 14:40

Thematic poster: COPD, asthma and tuberculosis: benefits related to therapy costs

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory infections Thoracic oncology Respiratory infections

Method(s) : Surgery Endoscopy and interventional pulmonology Epidemiology Public health General respiratory patient care

Chairs : Robab Breyer-Kohansal (Wien, Austria), Manuel Kastner (Linz, Austria), Torben Sigsgaard (Århus, Denmark), Chair to be confirmed

PA3150 Late Breaking Abstract - Assessing epidemiology and costs of asthma and COPD in Switzerland with health insurance data
Marion Schmidt (Winterthur, Switzerland), Beatrice Brunner, Simon Wieser, Roland Rapold, Eva Blozik

PA3151 Cost analysis of FeNO for asthma diagnosis in primary care in Germany.
Christian Ernst (Stuttgart, Germany), Anna Dick, Sandra Wegner, Tanja Wollensak

PA3152 Identifying predictors of healthcare utilization and costs in COPD patients over 18 months: first longitudinal results of the COSYCONET cohort
Johanna Lutter (Neuherberg, Germany), Danalyn Byng, Rolf Holle, Rudolf A. Jörres, Annika Karch, Stefan Karrasch, Holger Schulz, Claus F. Vogelmeier, Margarethe E. Wacker

PA3153 Cost-effectiveness of the fixed-dose combination tiotropium + olodaterol based on the DYNAGITO trial results
Martine Hoogendoorn (Rotterdam, Netherlands), Isaac Corro Ramos, Michael Baldwin, Laura Luciani, Cecile Fabron, Bruno Detournay, Maureen Rutten-Van Mólken

PA3154 Cost-effectiveness of a single inhaler triple therapy versus ICS/LABA in COPD
Alan A. Martin (Uxbridge (Middlesex), United Kingdom), Dhvani Shah, Emma C Goodall, Melanie Schroeder, Nancy Risebrough, Kerigo Ndirangu, Afisi S Ismaila

PA3155 Impact of once-daily single inhaler triple therapy on healthcare resource utilization and associated costs in COPD patients in Spain
Laura Atienza (Tres Cantos, Madrid, Spain), Nicole Benjamin, Melanie Schroeder, Laura Amanda Vallejo-Aparicio, Chandroday Biswas, Dhvani Shah, Afisi S. Ismaila

PA3156 Patient preference for COPD treatment inhalers: A Discrete Choice Experiment (DCE) in France – Results of a Pilot Study
Christos Chouaid (Créteil Cedex, France), Nicola Germain, Gérard De Pouvourville, Samuel Aballéa, Daria Korchagina, Mike Baldwin, Katell Le Lay, Laura Luciani, Philippe Devillier

PA3157 Costs of COPD exacerbations in a general population.
Marta Erdal (Bergen, Norway), Ane Johannessen, Tomas Mikal Eagan, Per Bakke, Amund Gulsvik, Jan Erik Askildsen, Rune Grønseth

PA3158 Reducing plastic waste, carbon footprint and cost: inhaler recycling at Musgrove Park Hospital
Alexandra Dipper (Bristol (Avon), United Kingdom), Louise Anning, Antony Zorzi, Lauren Thrush, Theresa Schulz, Daniel Higbee, Prateek Nalwaya, Alexander Maidwell-Smith, Justin Pepperell

PA3159 Direct/Indirect costs and QoL in Greek patients with COPD and Bronchial Asthma
Konstantinos Zarogoulidis (Thessaloniki, Greece), Vasiliki Zarogoulidou, Malamatenia Arvanitidou-Vagiona, Despoina Papakosta, Theodoros Kontakiotis, Despoina Ioannidou, Maria Mavroudi, Paul Zarogoulidis, Konstantinos Porpodis, Michail Siarkos

PA3160 An audit of supplemental oxygen prescribing practices in an inpatient setting and its financial burden.
Sridesh Nath (Brooklyn, United States of America), Sarath Nath, Shweta Kumar, Fei Yang Liang, Christian Abraham, Naila Shereen, Jason Green, Miguel Ramirez, Aaliya Burza, Patrick Geraghty

PA3161 Household expenditure for tuberculosis care, its determinants and coping strategies among adults 18 years and older of Karachi, Pakistan.
Shama Razaq (Karachi, Pakistan), Aysha Zahidie, Zafar Fatmi

PA3162 Cost-utility analysis of a Home-based disease management intervention for patients with severe COPD in the COMET study.
Denis GRANADOS (Gentilly, France), Jean Bourbeau, Isabelle Durand-Zaleski, Stéphane Roze, Romain Kessler

PA3163 Patient views on payment for trial participation
Rebecca Dobra (London, United Kingdom), Tracy Higgins, Katherine Huband, Emily Guilment, Sharon Fleming

PA3164 Determination of Attitudes of Turkish Thoracic Society Members on Exposure to Sexist Approach and Sexism in Business Life
Ayşe Arzu Yorgancıoğlu (Izmir, Turkey), Birsen Ocakli, Arzu Yorgancıoğlu, Füsün Topcu, Nurdan Köktürk, Hilal Altınöz, Yesim Yasin, Ilknur Genç Kuzuca, Serap Duru, Elif Ozari Yildirim, Tulin Sevim, Serpil Tekgul, Eylem Acartürk Tuncay, Sinem Gungor, Basak Goktas, Yesim Yigiter Senol, Cansel Atinkaya Ozturk, Ipek Ozmen, Cagla Pinar Tastan, Seyhan Us Dulger, Esra Uzaslan, Fatma Erboy, Emine Aksoy, Pinar Yildiz Gulhan, Ali Kocabas, Bilun Gemicioglu, Salih Topcu, Goksel Altinisik, Pinar Celik, Tts Women Lung Care Workşng Group

PA3165 Quality indicators in pleural pathology
Herminia Ortiz Mayoral (, Spain), Reyes Calzado López, Rosario Melchor Iñiguez, Nuria Abad Santamaría, Maria Teresa Río Ramírez, Ismael Ali García, Bárbara Steen, Mercedes Izquierdo Patrón, Beatriz Morales Chacón

PA3166 Prospective study of last minute cancellations of thoracic surgery operations and preventive measures
Cagatay Tezel (Istanbul, Turkey), onur derdiyok, Serdar Evman , Serda Kanbur, Mine Demir, Levent Alpay , Volkan Baysungur

PA3167 Training on the Practical approach to Lung Health- 3 years experience in the Republic of Macedonia
Biljana Ilievska Poposka (Skopje, FYROM (Macedonia)), Maja Zakoska

7.3A Session 307 13:00 - 14:30

Lunchtime session: New biologics for asthma: which patients, which agents, which results, at what cost?

a joint NEJM session

Aims : Multiple biological agents have recently become available for treating asthma and are being heavily promoted by industry. The translational scientist views them as biologically informative tools, while the clinician views them as new ways to help difficult-to-treat patients. These different views lead to important questions that this session seeks to answer. They include, but are not limited to, How do these agents exert their effects? What do we really know about these treatments and how should they be used in clinical practice? How are the available agents similar and different? Which side effects should be closely monitored? Do these treatments modify the “natural course” of asthma? Are these treatments worth their cost?

Disease(s) : [Airway diseases](#)

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Physiologist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jeffrey Drazen (Boston, United States of America), Klaus F. Rabe (Grosshansdorf, Germany)

13:00 The basic science behind asthma biologics 3168
Sally Wenzel (Pittsburgh, United States of America)

13:20 At the interface: the translational science supporting the clinical use of anti-cytokine therapy 3169
Elisabeth H.D. Bel (Amsterdam, Netherlands)

13:40 Real-world experience with new asthma treatments 3170
Roland Buhl (Mainz, Germany)

14:00 Panel discussion: including a patient with asthma being treated with new biologics 3171

7.3B Session 308 13:00 - 14:15

Assembly members' meeting: Assembly 1 Clinical

Chairs : Felix J.F. Herth (Heidelberg, Germany), Venerino Poletti (Forlì, Italy)

7.3K Session 309 13:00 - 14:15

Assembly members' meeting: Assembly 5 Airway diseases

Chairs : Antonio Spanevello (Milan, Italy), Omar S. Usmani (London, United Kingdom)

7.3Q Session 310 13:00 - 14:15**Lungs on fire: Airway Diseases & Respiratory Infections****Aims :** • Study real challenging clinical cases

- Learn and exchange ideas with a panel of respiratory experts
- Discuss the various diagnosis and treatment options

Disease(s) : Airway diseases Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiotherapist, Radiologist, Physiologist, Thoracic oncologist, Trainee**Chairs :** Christophe Pison (Grenoble, France), Vito Brusasco (Genova (GE), Italy), Gernot G.U. Rohde (Frankfurt am Main, Germany), Mario Cazzola (Roma (RM), Italy)

Session facilitator introduction Michael Tamm (Basel, Switzerland)	3172
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Case 1 - Author: F.S. Albez (Erzurum, Turkey)	3173
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Case 2 - Author: A.F. Elbehairy (Alexandria, Egypt)	3174
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Case 3 - Author: F. Cemmi (Peschiera del Garda, Italy)	3175
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Case 4 - Author: D. Siopi (Thessaloniki, Greece)	3176
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Case 5 - Author: L. Appendini (Saluzzo, Italy)	3177
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Case 6 - Author: C. Tirelli (Vaiano Cremasco, Italy)	3178
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7.3M Session 311 13:00 - 14:15**Assembly members' meeting: Assembly 7 Paediatrics****Chairs :** Jonathan Grigg (London, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)**7.3O** Session 312 13:00 - 14:15**Assembly members' meeting: Assembly 6 Epidemiology and Environment****Chairs :** Christer Janson (Uppsala, Sweden), Charlotte Suppli Ulrik (Virum, Denmark)**7.3P** Session 313 13:00 - 14:15**Assembly members' meeting: Assembly 3 Basic and translational sciences****Chairs :** Pieter S. Hiemstra (Leiden, Netherlands), Catherine Greene (Dublin, Ireland)**7.2B** Session 314 13:00 - 14:15**Lungs on fire: Paediatric Respiratory Diseases****Aims :** • Study real challenging clinical cases

- Learn and exchange ideas with a panel of respiratory experts
- Discuss the various diagnosis and treatment options

Disease(s) : Paediatric respiratory diseases**Tag(s) :** Clinical**Target audience :** Paediatrician, Allergist, General practitioner, Lung function technologist, Nurse, Physiotherapist, Radiologist, Thoracic oncologist, Trainee**Chairs :** Fabio Midulla (Roma (RM), Italy), Monika Gappa (Wesel, Germany), Chair to be confirmed

Session facilitator introduction Jürg Hammer (Basel, Switzerland)	3179
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Case 1 - Author: R. Commodo (Bangalore, India)	3180
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Case 2 - Author: N. Nathan (Paris, France)	3181
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Case 3 - Author: M. Diaconu (Sheffield, United Kingdom)	3182
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Case 4 - Author: C.L.H. Brackel (Voorburg, the Netherlands)	3183
Case 5 - Author: Chris Course (Cardiff, United Kingdom)	3184
Case 6 - Author: Rehab Zaki (Tanta, Egypt)	

7.2D Session 315 13:00 - 14:00

Meet the expert: ME7 Monitoring of home mechanical ventilation in neuromuscular disorders

Aims : to present and discuss new criteria that are used to define nocturnal hypoventilation and effective ventilation for neuromuscular disorders.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Lung function technologist, Nurse, Physiotherapist, Adult pulmonologist/Clinician

Chairs : Marieke L. Duiverman (Groningen, Netherlands)

13:00	Monitoring of home mechanical ventilation in neuromuscular disorders David Orlikowski (Garches, France)	3185
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7.3J Session 316 13:00 - 14:30

Patient forum: Occupational lung disease – professional and patient perspectives

Aims : Occupational lung disease remains an important and challenging area in terms of diagnosis, treatment and policy. Featuring experts from primary and specialist care alongside patients who formerly worked in sandblasting and engineering, this session will explore key themes around lung health in the workplace including:

- Prevention - how can workers be better informed and protected from the risks?
- Poor detection of occupational lung disease – why is occupational lung disease often missed, what is the impact, and what needs to change?
- Diagnostic techniques
- Management of occupational lung disease and disability
- What is the impact of having a lung condition at work, particularly when caused by your job? What needs to change to improve awareness of lung health in the workplace?

Chairs : Rafael E. de la Hoz (New York, United States of America)

13:00	Introduction Rafael E. de la Hoz (New York, United States of America)	3186
13:15	Initial questions/comments from the audience Rafael E. de la Hoz (New York, United States of America)	3187
13:25	Professor Metin Akgün and Bego (Abdulhalim) Demir Metin Akgün (Erzurum, Turkey), Abdulhalim Demir (, Turkey)	3188
13:45	Professor David Fishwick and David Batchelor David Fishwick (Sheffield (South Yorkshire), United Kingdom), David Batchelor (.Leicester, United Kingdom)	3189
14:05	Final Q&A from the audience Rafael E. de la Hoz (New York, United States of America)	3190

7.3E Session 317 13:00 - 14:00

Meet the expert: ME8 Diagnosing bronchiectasis and cystic fibrosis

Aims : to show how to suspect and diagnose bronchiectasis by distinguishing between cystic fibrosis and bronchiectasis due to other causes while taking into consideration practical limitations (availability of diagnostic tests), level of care and patient preferences.

Disease(s) : Respiratory infections Paediatric respiratory diseases

Method(s) : General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Patient, Physiotherapist, Radiologist, Trainee, Adult pulmonologist/Clinician

Chairs : Julia Amaranta Garcia Fuertes (Vitoria-Gasteiz, Spain)

13:00 Diagnosing bronchiectasis and cystic fibrosis **3191**
Stefano Aliberti (Milan, Italy)

7.3F Session 318 13:00 - 14:00

Meet the expert: ME6 Control of breathing - hypoventilation during sleep, exercise and dyspnoea
Ondine's curse syndrome

Aims : to shed light on the poorly understood relationship between sleep-related life-threatening hypoventilation and its potential clinical consequences (e.g., dyspnoea); and to discuss pharmacological and non-pharmacological approaches that can modify this relationship both from a physiological point of view (the ventilatory response to hypercapnia and hypoxia) and a clinical point of view (improvement of dyspnoea and quality of life).

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Translational

Target audience : Clinical researcher, Lung function technologist, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Esther Irene Schwarz (Zürich, Switzerland)

13:00 Control of breathing - hypoventilation during sleep, exercise and dyspnoea **3192**
Christian Straus (Paris, France)

7.3I Session 319 13:00 - 14:00

Meet the expert: ME5 Lung cancer screening
Where we are and how to implement

Aims : to provide clear guidance on whom to screen and how to follow up, and to discuss different scenarios based on actual evidence while considering both pros and cons.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Nurse, Radiologist, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

13:00 Lung cancer screening - where we are and how to implement it **3193**
Hans-Ulrich Kauczor (Heidelberg, Germany), Nina Bostantzoglou (Athens, Greece)

13:15-14:30

INDUSTRY PRACTICAL WORKSHOP

SEE PAGE 1

7.3U Session 324 13:15 - 14:15

Meet the expert: ME14 Bronchiolitis obliterans syndrome in immunodepressed patients

Aims : To highlight the epidemiology of bronchiolitis obliterans syndrome of immunocompromised patients and to discuss the diagnostic and management challenges.

Disease(s) : Airway diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Physiologist, Radiologist, Student, Trainee

Chairs : Davide Piloni (Pavia, Italy)

13:15 Bronchiolitis obliterans syndrome in immunodepressed patients **3210**
Anne Bergeron Lafaurie (Paris, France)

7.3T Session 330 14:30 - 16:50

Skills workshop: SW9 Cardiopulmonary exercise test interpretation - tips and pitfalls

Aims : to identify "typical" patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from "anomalous" response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Susan Ward (Crickhowell, United Kingdom)

Introduction	3224
Relationship between oxygen uptake and work rate Richard Casaburi (Rancho Palos Verdes, United States of America)	3225
Anaerobic/lactate threshold Harry Rossiter (Hermosa Beach, United States of America)	3226
Breathing pattern and dynamic hyperinflation Denis O'Donnell (Kingston (ON), Canada)	3227
Ventilatory efficiency Paolo Onorati (Alghero (SS), Italy)	3228

7.3V Session 331 14:30 - 16:50**Skills workshop: SW12 Thoracic ultrasound****Aims :** to provide an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.**Disease(s) :** Thoracic oncology**Method(s) :** Imaging**Tag(s) :** Clinical**Target audience :** Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Trainee**Chairs :** Nick Maskell (Bristol (Avon), United Kingdom)

Introduction	3229
Normal thoracic cavity Christian B. Laursen (Odense, Denmark), Horianna Grosu (Houston, United States of America)	3230
Pleural effusion and/or pleural thickening Ioannis Psallidas (Oxford, United Kingdom), Gilles Mangiapan (Creteil, France)	3231
Case studies John Wrightson (Oxford, United Kingdom)	3232
Guided pleural aspiration and lymph node biopsy using models Konstantina Kontogianni (Heidelberg, Germany), Nick Maskell (Bristol (Avon), United Kingdom)	3233

7.3U Session 332 14:30 - 17:00**Professional development: PDW6 Supporting patients with behaviour change strategies****Engagement of patients in healthy behaviours****Aims :** To improve the competence and performance of clinicians by promoting their active learning of empathic communication and motivational interviewing and by helping them to develop strategies to incorporate these techniques into patient care. This interactive learning activity will focus on how to effectively counsel patients to improve their overall lifestyle, including their diet, exercise and alcohol and tobacco use. Specific aims are as follows: to increase knowledge about empathic listening and motivational interviewing strategies and resources; to increase skills in using empathic listening and motivational interviewing strategies; and to increase the application of empathic listening and motivational strategies and resources.**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Sofia Belo Ravara (Covilhã, Portugal)

14:30	Introduction: why do we need to incorporate health behaviour change into clinical practice? Sofia Belo Ravara (Covilhã, Portugal)	3234
14:45	Why empathy is important and how we can incorporate it into clinical practice Timothy Milbrandt (Rochester, United States of America), Therese Shumaker (Rochester, United States of America)	3235
15:05	Using motivational interviewing in clinical practice to engage patients about health behaviour change Timothy Milbrandt (Rochester, United States of America), Therese Shumaker (Rochester, United States of America)	3236
15:35	Exploring and enhancing motivation to quit smoking in smokers who are reluctant to quit Therese Shumaker (Rochester, United States of America), Timothy Milbrandt (Rochester, United States of America)	3237
16:05	Exploring and enhancing motivation to reduce alcohol consumption and weight Therese Shumaker (Rochester, United States of America), Timothy Milbrandt (Rochester, United States of America)	3238
16:35	Discussion and conclusion Sofia Belo Ravara (Covilhã, Portugal), Therese Shumaker (Rochester, United States of America), Timothy Milbrandt (Rochester, United States of America)	3239

7.3A Session 333 14:45 - 16:45

Hot topics: Chronic pulmonary aspergillosis: from guidelines to real-life implementation

Based on ERS/ECMID guidelines

Aims : At the conclusion of this hot topic session, the participant will: (i) understand the spectrum of chronic pulmonary aspergillosis (CPA); (ii) be able to diagnose CPA on the basis of the recent ERS/ECMID guidelines, which focus on a combination of clinical, radiological and mycological characteristics; (iii) be aware of the consensus regarding the management and treatment of CPA; and (iv) feel encouraged to collaborate with CPAnet to promote clinically oriented research in the field of CPA.

Disease(s) : Respiratory infections

Method(s) : General respiratory patient care Imaging Surgery

Tag(s) : Clinical

Target audience : Allergist, Critical/Intensive care physician, Pathologist, Patient, Radiologist, Student, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Jacques Cadranel (Paris Cedex 20, France), David W. Denning (Manchester (Greater Manchester), United Kingdom)

14:45	The global burden of CPA Helmut J. F. Salzer (Borstel, Germany)	3240
15:15	An update on CPA diagnosis Iain Page (Manchester (Greater Manchester), United Kingdom)	3241
15:45	Achieving consensus regarding the current treatment options for CPA Cendrine Godet (Poitiers, France)	3242
16:15	Radiology in CPA: from diagnosis to treatment Francois Laurent (Bordeaux, France)	3243

7.3N Session 334 14:45 - 16:45

Symposium: Imaging chronic lung diseases: moving from structure to function

Lung imaging

Aims : to provide an update regarding lung imaging techniques and their clinical applications in several chronic lung diseases; to increase understanding about the role of imaging in disease detection, stratification and prognostication; and to describe the advantages and limitations of lung imaging in clinical investigation.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Aleksandar Grgic (Homburg, Germany), Maren Schuhmann (Heidelberg, Germany)

14:45	Interstitial disease - more than meets the eye Jens Vogel-Claussen (Hannover, Germany)	3244
15:15	Chronic obstructive pulmonary disease - moving from structure to function Grace Parraga (London (ON), Canada)	3245
15:45	Asthma imaging - not just bronchoconstriction Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	3246
16:15	Cystic fibrosis and bronchiectasis - from visual scoring to new imaging analysis systems Harm Tiddens (Rotterdam, Netherlands)	3247

7.1A Session 335 14:45 - 16:45

Guidelines session: Idiopathic pulmonary fibrosis diagnosis: new guidelines

Results of the ATS-ERS Guidelines on Idiopathic pulmonary fibrosis

Aims : (i) To describe the methodology that was used to develop the new ATS /ERS clinical practice guidelines for diagnosing idiopathic pulmonary fibrosis (IPF); (ii) to discuss how to perform high-resolution CT (HRCT) in usual interstitial pneumonia and to describe its imaging pattern on HRCT; (iii) to describe the histopathological pattern of interstitial pneumonia; and (iv) to discuss the recommended diagnostic approach to IPF, with a particular focus on the important role of multidisciplinary discussions. Areas that require further attention will be discussed throughout the session.

Disease(s) : **Interstitial lung diseases** **Respiratory critical care**

Method(s) : Endoscopy and interventional pulmonology Imaging Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Ganesh Raghu (Seattle, United States of America), Luca Richeldi (Roma, Italy), Venerino Poletti (Forli, Italy)

14:45	Objectives and methodology used to develop the 2018 IPF diagnostic guidelines Luca Richeldi (Roma, Italy)	3248
14:55	HRCT chest: technique and pattern of usual interstitial pneumonia Martine Remy-Jardin (Lille, France)	3249
15:20	Histopathological pattern of usual interstitial pneumonia William Travis (New York, United States of America)	3250
15:45	Recommendations for specific diagnostic interventions Ganesh Raghu (Seattle, United States of America)	3251
16:15	Panel discussion	3252

7.1B Session 336 14:45 - 16:45

Symposium: Advances in community-acquired pneumonia management

Aims : to provide an update on the management tools and therapies for community-acquired pneumonia (CAP).

Disease(s) : **Respiratory infections** **Respiratory critical care**

Method(s) : General respiratory patient care Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Radiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician, Nurse, Physiotherapist, Thoracic surgeon

Chairs : Marcos I. Restrepo (San Antonio, United States of America), Rosario Menendez Villanueva (Valencia, Spain)

14:45	Diagnosing CAP – advances in imaging Yann-Erick Claessens (Monaco, Monaco)	3253
15:15	Management - much more than antibiotics only (adjuvant therapies including antimicrobials, fluid resuscitation, blood sugar and nutrition) Gernot G.U. Rohde (Frankfurt am Main, Germany)	3254
15:45	Severe CAP - challenges in the intensive care unit Ignacio Martin-Loeches (Dublin 8, Ireland)	3255

16:15 **When is it time to call the thoracic surgeon?** **3256**
Kalliopi Athanassiadi (Athens, Greece)

7.3C **Session 337** **14:45 - 16:45**

Hot topics: Roles of innate lymphoid cells in asthma

Major research advancements regarding the roles of innate lymphoid cells in the development and progression of allergic asthma

Aims : To highlight some recent and important discoveries in innate lymphoid cell biology that provide new insights in the pathological mechanisms in asthma and that hint at future treatment possibilities.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases**

Method(s) : Cell and molecular biology Physiology

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Paediatrician, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Cezmi A. Akdis (Davos, Switzerland), William Busse (Madison, United States of America)

14:45 **Prostaglandin E2 suppresses the function of human group 2 innate lymphoid cells** **3257**
Jenny Mjösberg (Stockholm, Sweden)

15:15 **Steroid resistance of airway type 2 innate lymphoid cells from patients with severe asthma: the role of thymic stromal lymphopoietin** **3258**
Rafeul Alam (Denver, United States of America)

15:45 **Allergen-experienced group 2 innate lymphoid cells acquire memory-like properties and enhance allergic lung inflammation** **3259**
Fumio Takei (Vancouver, Canada)

16:15 **Human CD40 ligand-expressing type 3 innate lymphoid cells induce interleukin (IL)-10-producing immature transitional regulatory B-cells** **3260**
Zsolt István Komlósi (Tarnok, Hungary)

7.3Z1 **Session 338** **14:45 - 16:45**

Symposium: Microbiomes in respiratory disease

Role of local and systemic microbiomes and the potential for manipulation

Aims : to provide a state-of-the-art update that will inform respiratory researchers, clinicians and health professionals about the role of microbiomes in respiratory disease. Leading experts in the field will review the current research and provide perspectives and opinions regarding the role of the microbiome in both disease pathogenesis and protection from disease. The intergenerational transmission of the microbiome and its effects will also be discussed. In addition, the therapeutic potential of manipulation of local and systemic microbiomes will be described.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases**

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Paediatrician, Pathologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Ay e Bilge Öztürk (Istanbul, Turkey), Philip Hansbro (Callaghan, Australia)

14:45 **The microbiome and childhood respiratory diseases** **3261**
Hans Bisgaard (Hellerup, Denmark)

15:15 **Gut microbiomes in chronic obstructive pulmonary disease** **3262**
Sanjay Sethi (Buffalo, United States of America)

15:45 **Environmental exposures to the microbiome** **3263**
Christopher Carlsten (Vancouver (BC), Canada)

16:15 **Targeting the microbiome in chronic lung disease** **3264**
Debby Bogaert (Edinburgh, United Kingdom)

7.3B **Session 339** **14:45 - 16:45**

Oral presentation: New methods for diagnosing and treating lung diseases

Disease(s) : Respiratory infections Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Imaging Surgery Physiology Epidemiology Cell and molecular biology General respiratory patient care

Chairs : Alfredo Chetta (Parma (PR), Italy), Philippe Camus (Dijon, France)

OA3265 **Late Breaking Abstract - Use of mepolizumab in bronchiectasis with underlying eosinophilic condition**
Jessica Rademacher (Hannover, Germany), Stefanie Konwert, Jan Fuge, Tobias Welte, Felix C. Ringshausen

OA3266 **Does the sonographic presence and severity of pleural fluid septation have an impact on clinical outcomes in pleural infection? - Data from the Pleural Infection Longitudinal Outcome Study (PILOT)**
John Corcoran (Oxford, United Kingdom), Ioannis Psallidas, Stephen Gerry, Nick Maskell, Robert Miller, Najib Rahman

OA3267 **Proinflammatory cytokine IL-6 detetion in severe COPD patients: Focus on roflumilast**
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Mariana Kulynych-Miskiv, Oleksandr Varunkiv

OA3268 **To the diagnosis of primary ciliary dyskinesia without situs inversus**
Vyacheslav Kobylansky (Moscow, Russian Federation), Elena Bragina

OA3269 **The development and validation of a Quality of Life questionnaire for those with Inducible Laryngeal Obstruction**
Lucy Bassil (Bedford (Bedfordshire), United Kingdom), Nicola Pargeter, Jodie Fellows, Catherine Maskell, Ruth Howard, Adel Mansur

OA3270 **An extensive bundle of tests is needed to detect treatable causes of bronchiectasis (Bx)**
Elisa Franceschi (Milano (MI), Italy), Stefano Aliberti, Manuela Seia, Luigi Porcaro, Vera Bianchi, Enza Consalvo, Angelo Corsico, Ilaria Ferrarotti, Michele Gaffuri, Luca Roncoroni, Barbara Vigone, Andrea Gramegna, Martina Contarini, Francesco Amati, Noemi Borsa, Fabrizio Nava, Nicolò Vanoni, Angela Bellofiore, Cesare Del Monaco, Leonardo Terranova, Martina Oriano, Lisa Cariani, Flavio Caprioli, Mario Nosotti, Francesco Blasi

OA3271 **High flow nasal cannula use on respiratory inpatients: Identifying patient groups and outcomes to guide optimal future use.**
Thomas Nicholson (Oxford (Oxfordshire), United Kingdom), Louise Channon, Harriet Williams, Mitra Shahidi

OA3272 **Physiological mechanisms of exertional dyspnea relief following bariatric surgery for severe obesity**
Amar Mainra (Montreal, Canada), Sara Abdallah, Ryan Reid, Ross Andersen, Dennis Jensen

7.3Z2

Session 340

14:45 - 16:45

Oral presentation: Molecular mechanisms and treatment of pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases

Method(s) : General respiratory patient care Physiology Cell and molecular biology

Chairs : Christophe Guignabert (Paris, France), Chair to be confirmed

OA3273 **Late Breaking Abstract - MIF inhibition in a murine model of bleomycin-induced lung fibrosis**
Sven Günther (Le Kremlin-Bicêtre, France), Thôngh Hua, Carole Nicco, Amélie Cumont, Raphaël Thuillet, Ly Tu, Jennifer Bordenave, Thomas Guilbert, Frédéric Batteux, Marc Humbert, Christophe Guignabert, Anh-Tuan Dinh-Xuan

OA3274 **Late Breaking Abstract - NGF induces pulmonary arterial hyperreactivity through increased connexin-43 expression: potential role in pulmonary hypertension**
Veronique Freund-Michel (BORDEAUX Cedex, France), Matthieu Douard, Paul Robillard, Juliette Deweirtd, Isabelle Baudrimont, Mathilde Dubois, Roger Marthan, Jean-Pierre Savineau, Bernard Muller, Christelle Guibert

OA3275 **Late Breaking Abstract - Molecular mechanisms involved in early stage of pulmonary hypertension: experimental study**
Francis Pacagnelli (Santo Anastácio, Brazil), Ana Paula Freire, Ana Karenina Sabela, Sarah Cury, Robson Carvalho, Thaoan Mariano, Yudney Motta, Antônio Cicogna, Katashi Okoshi

OA3276 **Late Breaking Abstract - Chronic Hypoxia Promotes Pulmonary Venous Smooth Muscle Cells Proliferation by Upregulating Calcium Sensing Receptor**
Gongyong Peng (Guangzhou (Guangdong), China), Shaoxing Li, Wei Hong, Juan Xu, Rongmin Liu, Bing Li, Pixin Ran

OA3277 **Late Breaking Abstract - Development of an animal model for group 3 Pulmonary Hypertension**
Diana Santos Ribeiro (Auderghem, Belgium), Marylène Lecocq, Michèle De Beukelaer, Caroline Bouzin, Yousof Yakoub, Rozenn Quarck, Olivier Vancaenegem, François Huaux, Sandrine Horman, Frederic Perros, Laurent Godinas, Charles Pilette

OA3278 **Late Breaking Abstract - Infrared thermography on patients with Pulmonary Hypertension. Prognostic value.**
Eliana Evangelina Calegari (Berazategui, Argentina), Nicolas Atamañuk, Diego Litewka, Rafael Zaugg Nadur, Diego Hoffmann, B Mangarielo, Patricia Guitelman, Miguel Payaslian

- OA3279 Late Breaking Abstract - Clinical Efficacy and Safety of Macitentan Transitioned from Bosentan in Patients with Pulmonary Arterial Hypertension**
Sarfraaz Ahmed Saleemi (Riyadh, Saudi Arabia), Abdullah M Aldalaan, Ihab M Weheba

7.3K Session 341 14:45 - 16:45

Symposium: The best of the European Respiratory Journal in 2018

Aims : In this session, the section editors of the European Respiratory Journal (ERJ) in the fields of asthma, interstitial lung disease, tuberculosis and sleep medicine/ventilation will choose and present essential elements of the (in their expert opinion) best papers that were published in the ERJ between late 2017 and July 2018.

Disease(s) : **Airway diseases** **Sleep and breathing disorders**

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Patient, Trainee, Adult pulmonologist/Clinician

Chairs : Martin Kolb (Hamilton (ON), Canada), Marc Humbert (Paris, France)

14:45	The best ERJ papers in asthma and allergy Paul O'Byrne (Hamilton (ON), Canada)	3280
15:15	The best ERJ papers in interstitial and rare lung diseases Vincent Cottin (Lyon, France)	3281
15:45	The best ERJ papers in tuberculosis Giovanni Battista Migliori (Varese (VA), Italy)	3282
16:15	The best ERJ papers in sleep medicine and ventilation Patrick Lévy (Grenoble, France)	3283

7.3Q Session 342 14:45 - 16:45

Oral presentation: Pathophysiological aspects of sleep-disordered breathing: intermittent hypoxia

Disease(s) : **Sleep and breathing disorders**

Method(s) : Imaging Physiology Cell and molecular biology

Chairs : Isaac Almendros (Barcelona, Spain), Silke Ryan (Dublin 14, Ireland)

- OA3284 Late Breaking Abstract - Differential effect of intermittent hypoxia and sleep fragmentation in the progression of Alzheimer Disease in a mouse model of obstructive sleep apnea**
Isaac Almendros (Barcelona, Spain), Maria José Menal, David Gozal, Anna Colell, Ramon Farré
- OA3285 Intermittent hypoxia, the hallmark of sleep apnea, induces HIF-1-dependent mitochondrial dysfunction**
Sophie MOULIN (Grenoble, France), Marion Pauly, Amandine Thomas, Maximin Détrait, Guillaume Vial, Frederic Lamarche, Herve Dubouchaud, Claire Arnaud, Diane Godin-Ribuot, Elise Belaidi-Corsat
- OA3286 Mechanisms involved in the deleterious impact of intermittent hypoxia on ischemic cardiomyopathy.**
Maximin Détrait (La Tronche, France), Guillaume Bourdier, Sophie Moulin, Elise Belaïdi, Claire Arnaud
- OA3287 Transcriptomic analysis identifies a unique, intermittent hypoxia mediated inflammatory profile: evidence from a cross-over randomised CPAP withdrawal trial, with and without supplemental oxygen, in OSA**
Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Lennard Lee, Nayia Petousi, John Stradling
- OA3288 Acetylsalicylic Acid Prevents Intermittent Hypoxia-Induced Vascular Remodeling in a Murine Model of Sleep Apnea**
Isaac Almendros (Barcelona, Spain), Monique C Suarez-Giron, Marta Torres, Josep M Montserrat, Cesar Picado, David Gozal, Anabel Castro-Grattoni, Manuel Sanchez-De-La-Torre, Ferran Barbé, Ramon Farré
- OA3289 The effects of CPAP-withdrawal on cerebral vascular reactivity and brain oxygenation in patients with obstructive sleep apnoea: a randomised-controlled trial.**
Sira Thiel (Zürich, Switzerland), Franziska Lettau, Sarah R Haile, Protazy Rejmer, Esther I Schwarz, Anna Stöberl, Noriane Sievi, Cristina Rossi, Anton Becker, Andreas Boss, John R Stradling, Malcolm Kohler
- OA3290 Independent association between obstructive sleep apnea severity and liver stiffness**
Wojciech Trzepizur (Angers CEDEX 9, France), Jérôme Boursier, Marc Le Vaillant, Pierre-Henri Ducluzeau, Séverine Dubois, Samir Henni, Pierre Abraham, Christophe Aubé, Paul Calès, Frédéric Gagnadoux
- OA3291 Ticagrelor and central sleep apnea: analysis of VigiBase, the WHO pharmacovigilance database**
Bruno Revol (Grenoble cedex 9, France), Ingrid Jullian-Desayes, Renaud Tamisier, Vincent Puel, Michel Mallaret, Marie Joyeux-Faure, Jean-Louis Pépin

7.3M

Session 343

14:45 - 16:45

Oral presentation: Ventilation and lung imaging in critically ill patients

Disease(s) : Respiratory critical care

Method(s) : Imaging General respiratory patient care Transplantation Cell and molecular biology Respiratory intensive care

Chairs : Marcus Schultz (Amsterdam, Netherlands), Ezgi Özyilmaz (Adana, Turkey)

- OA3292** **Late Breaking Abstract - Biological phenotypes of ARDS show differential expression of genes involved in oxidative phosphorylation and immunomodulation: an illustration for the need of personalized medicine in ARDS.**
Lieuwe Bos (Amsterdam, Netherlands), Brandon Scicluna, Tom Van Der Poll, David Ong, Olaf Cremer, Marcus Schultz
- OA3293** **A lung volume change protocol prevents lung collapse after PEEP decrement in recovering ARDS**
Mathuwadee Praipruksaphan (Bangkok, Thailand), Napplika Kongpolprom
- OA3294** **Weaning with or without PEEP?**
Mehyar Lavae-Mokhtari (Ibbenbueren, Germany), Gabriela May, Joachim Fichter, Nicolas Dickgreber
- OA3295** **Proportional assist ventilation (pav+) versus pressure support ventilation (psv) for weaning and patient ventilator interaction in chronic obstructive pulmonary disease.**
Aliae Abdrabo Mohamed-Hussein (Assiut, Egypt), Suzan Salama, Waleed Gamal
- OA3296** **Lung autopsy in patients with lung infiltrates died in the intensive care unit**
fernando rodriguez (Montevideo, Uruguay), Nicolas Nin, Javier Hurtado, Ana Vilas, Cristina Davila
- OA3297** **Thin-Section CT in patients with smoke inhalation injury**
Cheol-Hong Kim (Gyeonggi-do, Republic of Korea), Dong-Gyu Kim
- OA3298** **Global versus Regional Lung Ultrasound Scoring in Critically Ill Patients with Invasive Ventilation**
Luigi Pisani (Amsterdam, Netherlands), Veronica Vercesi, Marry Smit, Marcus J. Schultz
- OA3299** **Lung aeration as assessed by lung ultrasound is independent of tidal volume size in intensive care unit patients with invasive ventilation**
Marry Smit (Amsterdam, Netherlands), Luigi Pisani, Fabienne Simonis, Marcus Schultz

7.3O

Session 344

14:45 - 16:45

Oral presentation: Lung cancer: new aspects in diagnosis and management

Disease(s) : Thoracic oncology Sleep and breathing disorders

Method(s) : General respiratory patient care Cell and molecular biology

Chairs : Joanna Chorostowska-Wynimko (Warsaw, Poland), Wouter H. van Geffen (Leeuwarden, Netherlands)

- OA3300** **PD-L1 expression on lung cancer stem cells in metastatic lymph nodes.**
Agata Raniszewska (Warszawa, Poland), Iwona Kwiecien, Malgorzata Polubiec-Kownacka, Elzbieta Rutkowska, Joanna Domagala-Kulawik
- OA3301** **A variant in LKB1 gene can predicts the clinical outcomes of chemotherapy in patients with non-small cell lung cancer**
Seung Soo Yoo (Daegu, Republic of Korea), Hyewon Seo, Hyo-Gyoung Kang, Deuk Kju Jung, Jin Eun Choi, Hyeyoung Park, Hyejin Lee, Hong Guen Oh, Young Hun Lee, Sun Ha Choi, Shin Yup Lee, Jaehae Lee, Seung Ick Cha, Chang Ho Kim, Jae Young Park
- OA3302** **Predictive role of plasmatic biomarkers in advanced non-small cell lung cancer (NSCLC) treated with nivolumab (nivo).**
Adrien Costantini (Paris, France), Catherine Julie, Coraline Dumenil, Zofia Hélias-Rodzewicz, Jennifer Dumoulin, Violaine Giraud, Sylvie Labrune, Thierry Chinet, Jean-Francois Emile, Etienne Giroux-Leprieur
- OA3303** **BRONCHIAL MICROBIOME IN PATIENTS WITH LUNG CANCER**
Jose Javier Vengoechea (Zaragoza, Spain), Ana Lucia Figueredo, Marta Cobo, Laura Torralba, Javier Errasti, Elisa Mincholé, Rosa Del Campo, Salvador Bello
- OA3304** **Prevalence of obstructive sleep apnea (OSA) in patients with lung cancer. Results from the prospective SAIL study Sleep Apnea In Lung Cancer)**
Elena Cabezas Pastor (Madrid, Spain), María Teresa Pérez-Warnisher, María Fernanda Troncoso, Teresa Gómez, Rosario Melchor, Germán Peces-Barba, Nicolás González Mangado, Luis Seijo

7.3P

Session 345

14:45 - 16:45

Oral presentation: Recent insights in childhood asthma and wheezing

Disease(s) : Airway diseases**Method(s) :** Public health Epidemiology**Chairs :** Bülent Taner Karadag (Istanbul, Turkey), Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom)**OA3305 Prescribed analgesics in pregnancy and the risk of child asthma- a register-based study.**
Bronwyn Brew (Stockholm, Sweden), Catarina Almqvist, Cecilia Lundholm, Seif Shaheen**OA3306 Association of early life factors with wheezing phenotypes in preterm-born children compared to term-born children**
Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), W. John Watkins, John Lowe, Raquel Granell, A. John Henderson, Sailesh Kotecha**OA3307 Early life vitamin D levels and childhood respiratory morbidity and allergic sensitization**
Rosalie Mensink-Bout (Rotterdam, Netherlands), Evelien R. Van Meel, Johan C. De Jongste, Irwin K. Reiss, Vincent W.V. Jaddoe, Liesbeth Duijts**OA3308 Early childhood growth patterns and lung function and asthma at 10 years**
Maribel Casas (Barcelona, Spain), Herman T. Den Dekker, Claudia J. Kruithof, Irwin K. Reiss, Martine Vrijheid, Jordi Sunyer, Johan C. De Jongste, Vincent W.V. Jaddoe, Liesbeth Duijts**OA3309 GST genotypes modify the association between paracetamol use in early life and lung function at 18 years**
Xin Dai (Truganina (VIC), Australia), Shyamali Dharmage, Michael Abramson, Adrian Lowe, Jennifer Perret, Bircan Erbas, Nilakshi Waidyatilake, Caroline Lodge**OA3310 Indoor microbial diversity and risk of different wheezing phenotypes**
Anne M. Karvonen (Kuopio, Finland), Pirkka V. Kirjavainen, Martin Täubel, Balamuralikrishna Jayaprakash, Rachel I. Adams, Martin Depner, Anne Hyvärinen, Sami Remes, Erika Von Mutius, Juha Pekkanen**OA3311 Using a Bayesian approach and external validation to predict persistent asthma at the age of 10 and 20 years in general and high-risk populations**
Silvia Colicino (London, United Kingdom), Cosetta Minelli, Alexandra Lewin, Stephen Turner, Angela Simpson, Hasan Arshad, Graham Roberts, John Henderson, Adnan Custovic, Paul Cullinan**7.3L Session 346 14:45 - 16:45****Poster discussion: Pulmonary hypertension: right ventricle function, haemodynamics and exercise****Disease(s) :** Pulmonary vascular diseases Sleep and breathing disorders**Method(s) :** Cell and molecular biology Imaging General respiratory patient care Physiology**Chairs :** Harm Jan Bogaard (Amsterdam, Netherlands), Luke Howard (London, United Kingdom)**PA3312 Epigenetic effects of exercise and respiratory training in patients with pulmonary arterial hypertension**
Christina Eichstaedt (Heidelberg, Germany), Jeremias Verweyen, Jie Song, Zixuan Pan, Nicola Benjamin, Christine Fischer, Ekkehard Grünig**PA3313 Dynamic right ventricular-pulmonary arterial (RV-PA) uncoupling during incremental exercise in HFpEF**
Inderjit Singh (new haven, United States of America), Farbod Rahaghi, Rudolf Oliveira, David Systrom, Aaron Waxman**PA3314 The pulmonary artery pulsatility index correlates with ventriculo-vascular coupling and elevated filling pressures in patients with pulmonary arterial hypertension.**
Roberto Bernardo (Oklahoma City, United States of America), Rebecca Vanderpool, Franz Rischard**PA3315 Reappraising the effects of pulmonary artery wedge pressure on right ventricular pulsatile loading**
Denis Chemla (Le Kremlin-Bicêtre, France), Emmanuelle Berthelot, Jason Weatherald, Laurent Savale, Pierre Attal, David Montani, Olivier Sitbon, Marc Humbert, Philippe Herve, Patrick Assayag**PA3316 Right atrial pressure at rest and during exercise in patients with and without pulmonary hypertension: A retrospective analysis**
Silvia Ulrich (Zurich, Switzerland), Patrick Bader, Lukas Herren, Stéphanie Saxer, Mona Lichtblau, Charlotte Berlier, Esther Schwarz, Michael Furian, Konrad Bloch**PA3317 Association of intrinsic right ventricular function with exercise tolerance and ventilatory efficiency in pulmonary arterial hypertension**
Toshitaka Nakaya (Sapporo, Japan), Hiroshi Ohira, Takahiro Sato, Taku Watanabe, Noriko Oyama-Manabe, Shintaro Kinugawa, Masaharu Nishimura, Ichizo Tsujino**PA3318 Increased right ventricular systolic:diastolic duration ratiopredicts mortality in idiopathic pulmonary arterial hypertension**
Colm McCabe (Cambridge (Cambridgeshire), United Kingdom), Irena Ivanac Vranesic, Wei Li, Laura Price, Aleksander Kempny, Konstantinos Dimopoulos, S. John Wort

- PA3319** **Right ventricular size and contractile reserve significantly correlate in patients with pulmonary hypertension**
(), Nicola Benjamin, Benjamin Egenlauf, Satenik Harutyunova, Hanns-Martin Lorenz, Norbert Blank, Alberto M. Marra, Christian Nagel, Christine Fischer, Ekkehard Gruenig
- PA3320** **Pulmonary vascular distensibility in pulmonary hypertension due to left heart disease**
Christian Gerges (Wien, Austria), Mario Gerges, Irene Lang
- PA3321** **The impact of obesity on pulmonary haemodynamic interpretation**
Geoffrey Watson (London, United Kingdom), Christopher Baker, Michael Polkey, Luke Howard
- PA3322** **Incremental Shuttle Walk Test predicts survival in non-Group 1 Pulmonary Hypertension without a ceiling effect**
Catherine Billings (Sheffield (South Yorkshire), United Kingdom), Robert Lewis, Judith Hurdman, Iain Armstrong, Ian Smith, Matthew Austin, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Allan Lawrie, Roger Thompson, Robin Condliffe, David Kiely
- PA3323** **Incremental shuttle walking test distance is reduced in patients with pulmonary hypertension in WHO Functional Class I**
Robert Lewis (Sheffield (South Yorkshire), United Kingdom), Catherine Billings, Iain Armstrong, Judith Hurdman, Ian Smith, Matthew Austin, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Allan Lawrie, Roger Thompson, Robin Condliffe, David Kiely
- PA3324** **Parasympathetic activity in pulmonary arterial hypertension: could a simple measure do the trick?**
Paolo Parrella (Napoli, Italy), Giacomo Campi, Alessio Rodolico, Angela Mancini, Riccardo Franco, Dalila Bruno, Alessandra Cuomo, Gabriele Tocchetti, Mario Petretta, Domenico Bonaduce, Valentina Mercurio
- PA3325** **Echocardiographic assessment in lowlanders vs. highlanders living above 2500m**
Mona Lichtblau (Zürich, Switzerland), Stéphanie Saxer, Patrick Bader, Michael Furian, Philipp Scheiwiller, Maamed Mademilov, Bermet Estebeova, Batyr Osmonov, Nuriddin Marazhapov, Ulan Sheraliev, Talant Sooronbaev, Konrad Bloch, Silvia Ulrich
- PA3326** **Characterization of dynamic left ventricular systolic and diastolic function in patients with obstructive sleep apnea syndrome with preserved left ventricular ejection fraction**
Angelo Canora (Napoli (NA), Italy), Antonello D'Andrea, Carmine Nicoletta, Simona Sperlongano, Giacomo Ghinassi, Giorgio Emanuele Polistina, Gianpaolo Tocci, Marialuisa Bocchino
- PA3327** **Correlation between sympathovagal modulation and functional capacity in pulmonary arterial hypertension patients.**
Katya Rigatto (Porto Alegre (RS), Brazil), Gabriela Roncato, Fabricio Fontoura, Fernanda Spilimbergo, Gisela Meyer, Guilherme Watte, Walter Vargas, Karina Casali, Danilo Berton
- PA3328** **Does inspiratory muscle training improve the sympathovagal balance and endothelial function in groups I and IV of pulmonary hypertension?**
Fabricio Farias da Fontoura (Porto Alegre (RS), Brazil), Gabriela Roncato, Fernan Spilimbergo, Gisela Meyer, Guilherme Watte, Walter Vargas, Danilo Berton, Katya Rigatto
- PA3329** **Cardiopulmonary exercise test provides valuable information on function and prognosis in PAH**
Rocco Francesco Rinaldo (Milano (MI), Italy), Luke Sebastian Howard

Terminal 7

Session 347

14:45 - 16:45

Oral presentation: Lung transplant science: from primary graft to chronic allograft dysfunction

Disease(s) : Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Imaging Transplantation

Chairs : Christian Benden (Zürich, Switzerland), Robin Vos (Leuven, Belgium)

- OA3330** **Influences of primary graft dysfunction (PGD) on parenchymal remodeling after lung transplantation (LT) detected by mean quantitative computed tomography (CT).**
Caterina Salito (Milano (MI), Italy), Andrea Aliverti, Davide Tosi, Francesca Pennati, Rosaria Carrinola, Lorenzo Rosso, Paolo Tarsia, Letizia Morlacchi, Mario Nosotti, Alessandro Palleschi
- OA3331** **Diagnosis of antibody-mediated rejection (AMR) on lung transplant biopsies: A retrospective single-center case study**
Silvana Geleff (Vienna, Austria), Gottfried Fischer, Peter Jaksch
- OA3332** **Is influenza trivalent vaccination effective in lung transplant recipients?**
Jana Kleinerova (Dublin 8, Ireland), Lana Khorsheed, Sean Walsh, Patricia Ging, Sara Winward, Iain Lawrie, Breda Lynch, Jim Egan

- OA3333 Clinical implications of host-bacteria-virus interactions in lung transplantation**
Daniel-Adrien Wurlod (Lausanne, Switzerland), Eric Bernasconi, Celine Pattaroni, John-David Aubert, Benjamin Marsland, Laurent Nicod
- OA3334 Bronchiectasis as prognostic factor in bronchiolitis obliterans syndrome after lung transplantation**
Anke Van Herck (Leuven, Belgium), Annelore Sacreas, Tobias Heigl, Stijn Verleden, Bart Vanaudenaerde, Walter De Wever, Geert Verleden, Robin Vos
- OA3335 The murine orthotopic single lung transplantation model for chronic rejection: work in progress?**
Tobias Heigl (Leuven, Belgium), Janne Kaes, Annelore Sacreas, Anke Van Herck, Greetje Vande Velde, Stijn Verleden, Geert Verleden, Wim Janssens, Robin Vos, Bart Vanaudenaerde
- OA3336 B cells drive iBALT formation in a mouse model of chronic lung allograft dysfunction**
Natalia Smirnova (München, Germany), Thomas Conlon, Carmela Morrone, Ali Oender Yildirim, Oliver Eickelberg

7.2A Session 348 14:45 - 16:45

Poster discussion: What's new in lung function and exercise assessment in COPD?

Disease(s) : [Airway diseases](#) [Sleep and breathing disorders](#) [Respiratory critical care](#)

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care Epidemiology Imaging General respiratory patient care Physiology

Chairs : Andrea Aliverti (Milan, Italy), Nicoletta R. Morelli (Den Haag, Netherlands)

- PA3337 Late Breaking Abstract - Optimizing FEV1/FVC threshold to predict COPD hospitalization and mortality: NHLBI pooled cohorts study**
Surya Bhatt (Birmingham, United States of America), Pallavi Balte, Patricia Cassano, David Couper, David Jacobs, Ravi Kalhan, Robert Kaplan, George O'Connor, Joseph Schwartz, Sachin Yende, Jason Sanders, Mark Dransfield, Paolo Chaves, Wendy White, Elizabeth Oelsner
- PA3338 Late Breaking Abstract - Comparison of High Flow Nasal Cannula with Noninvasive Ventilation in Facilitating Weaning COPD From Invasive Ventilation: A Prospective Randomized Controlled Study**
Jie Li (Beijing, China), Jing Guoqiang, Dong Hao, Tao Wang, Xiaozhi Wang
- PA3339 Late Breaking Abstract - Effect of oxygen supplementation on sleep and nocturnal breathing in patients with chronic obstructive pulmonary disease travelling to high altitude: randomized trial**
Lu Tan (Chengdu, China), Michael Furian, Tsogyal D Latshang, Sayaka S Aeschbacher, Fabienne Huber, Deborah Flueck, Mona Lichtblau, Stefanie Ulrich, Elisabeth D Hasler, Philipp M Scheiwiller, Silvia Ulrich, Malcolm Kohler, Konrad E Bloch
- PA3340 FEV6 as a marker of airflow limitation: a cross-sectional study**
Rishabh Raj (Mumbai (Maharashtra), India), Rajiv Mathur
- PA3341 Comparison of pulsed flow from portable oxygen concentrators with continuous oxygen delivery.**
John Chen (Edmonton (AB), Canada), Ira Katz, Georges Caillibotte, Marine Pichelin, Warren Finlay, Kaixian Zhu, Andrew Martin
- PA3342 Impact of mid distance hypobaric flight simulation on walking distance and desaturation in COPD patients**
Dominic Dellweg (Schmallenberg Grafschaft, Germany), Juliane Schmitt, Jens Kerl, Ekkehard Hoehn, Jutta Dellweg, Dieter Köhler, Peter Haidl
- PA3343 Investigation of relationship between four meter gait speed test and cardiopulmonary exercise test to determine exercise capacity in COPD patients**
Sevinc Sarinc Ulasli (Ankara, Turkey), Oğuz Karcioğlu, Ahmet Ugur Demir
- PA3344 Associations between isometric and dynamic quadriceps measures with functional capacity in chronic obstructive pulmonary disease (COPD)**
Kim-Ly Bui (Québec (QC), Canada), Sunita Mathur, Nathalia Maia, Pat Camp, Gail Dechman, Francois Maltais, Didier Saeys
- PA3345 Validation of isometric quadriceps muscle strength testing and relationship with functional capacity in COPD**
Kim-Ly Bui (Québec (QC), Canada), Sunita Mathur, Nathalia Maia, Pat Camp, Gail Dechman, Francois Maltais, Didier Saeys
- PA3346 A high degree of dyspnea is associated with poor exercise capacity in COPD patients, airflow obstruction being equal**
Ernesto Crisafulli (Modena (MO), Italy), Marina Aiello, Panagiota Tzani, Antonella Ielpo, Chiara Longo, Veronica Alfieri, Giuseppina Bertorelli, Alfredo Chetta
- PA3347 Noninvasive negative pressure ventilation improves survival of COPD patients with exercise desaturation**
Hung Yu Huang (Taipei, Taiwan), Te-Fang Sheng, Chee Jen Chang, Lan-Yan Yang, Chun-Hua Wang, Han-Pin Kuo

- PA3348 Influences of obstruction and hyperinflation on electrocardiographic P wave, QRS and T wave axis in COPD**
Peter Alter (Marburg, Germany), Henrik Watz, Kathrin Kahnert, Klaus F Rabe, Frank Biertz, Ronald Fischer, Philip Jung, Jana Graf, Robert Bals, Claus F Vogelmeier, Rudolf A Jorres
- PA3349 Effects of dynamic hyperinflation on left ventricular diastolic function in healthy males – a randomized study**
Anna Katharina Mayr (Grieskirchen, Austria), Matthias Helmut Urban, Ingrid Schmidt, Otto Chris Burghuber, Georg-Christian Funk
- PA3350 Effect of changes in peak inspiratory flow on the dose of salbutamol delivered by nebulizers under simulated conditions**
John Pritchard (Newtown Linford, United Kingdom)
- PA3351 Pulmonary artery diameter and nocturnal hypoxemia in smokers with/without COPD.**
Marta Marin Oto (Pamplona (Navarra), Spain), Marta Calvo, Jessica Gonzalez, Oscar Claveria, Borja Recalde, Ana Belen Alcaide, Juan Bertó, Arantza Campo, Javier Zulueta, Gorka Bastarrika, Luis Seijo, Juan Pablo De Torres
- PA3352 Evaluation of a newly developed spirometer to measure dynamic lung hyperinflation by the method of incremental hyperventilation in patients with COPD.**
Keisaku Fujimoto (Matsumoto, Japan), Shohei Kawachi
- PA3353 Short-course pulmonary rehabilitation and exacerbations and activity of COPD patients over 1 year**
Fanny W.S. Ko (Shatin, Hong Kong), Ka-Pang Chan, Wilson Tam, Ivor Wong, Tat-On Chan, April Ip, David Shu-Cheong Hui
- PA3354 Nasal high flow therapy: The effect on exercise performance in patients with COPD**
Paul Kelly (Christchurch, New Zealand), Paul Kelly (Dublin, Ireland), Jaimie Dikstaal, Lutz Beckert

7.2B Session 349 14:45 - 16:45

Poster discussion: Exercise is medicine: testing and treating patients with some effort

Disease(s) : **Airway diseases** Pulmonary vascular diseases Thoracic oncology Sleep and breathing disorders

Method(s) : Cell and molecular biology General respiratory patient care Surgery Physiology

Chairs : Michael Furian (Zürich, Switzerland), Joaquim Gea Guiral (Barcelona, Spain)

- PA3355 Exercise induced bronchoconstriction assessed using the forced oscillation technique**
Leigh Seccombe (Sydney (NSW), Australia), Lachlan Buddle, Matthew Peters, Claude Farah
- PA3356 T2-endotype predicts bronchodilator (BD) response in Exercise-Induced Bronchoconstriction (EIB)**
Matteo Bonini (London, United Kingdom), Jacopo Messina, Simone Petrarulo, Daniel Piamonti, Marcello Di Paolo, Marco Brunori, Paolo Palange, Omar Usmani
- PA3357 Is continuous laryngoscopy during cardiopulmonary exercise testing reliable for measuring maximum oxygen uptake?**
Ida Jansrud Hammer (Nesttun, Norway), Lars Peder Bovim, Maria Vollsæter, Ola Røksund, Thomas Halvorsen, Hege H. Clemm
- PA3358 Laryngeal laser surgery reduces neural respiratory drive and work of breathing in exercise-induced laryngeal obstruction**
Emil S. Walsted (Frederiksberg, Denmark), Azmy Faisal, Matthew J. Pavitt, Vibeke Backer, Yuan-Ming Luo, Michael I. Polkey, James H. Hull
- PA3359 Intercostal muscle oxygenation during expiratory load breathing**
Quentin Bretonneau (Poitiers, France), Claire de Bisschop, Aurélien Pichon
- PA3360 Acute effect of non-invasive ventilation during FES-rowing exercise in patients with high-level spinal cord injury**
Isabelle Vivodtzev (Cambridge, United States of America), Glen Picard, Felipe Xerez Cepeda, J. Andrew Taylor
- PA3361 Influence of the VitaBreath on Exercise Tolerance in Patients with COPD**
Nikolaos Chynkiamis (Newcastle upon Tyne, United Kingdom), Nikolaos Chynkiamis (Newcastle upon Tyne, United Kingdom), Matthew Armstrong, Vivien Spencer, Nick Lane, Tom Hartley, William Gray, Stephen Bourke, Ioannis Vogiatzis
- PA3362 Effect of ambulatory continuous positive airway pressure on neural respiratory drive and functional capacity in excessive dynamic airway collapse**
Georgios Kaltsakas (Athens, Greece), Maxime Patout, Gill Arbane, Elodie Lhuillier, Liju Ahmed, David D'Cruz, Michael Polkey, James Hull, Nicholas Hart, Patrick B. Murphy
- PA3363 Breathing pattern and post-exercise inspiratory muscle fatigue in COPD: Comparing step tests and cycle ergometry**
Tiago Rodrigues De Lemos Augusto (Campo Grande, Brazil), Karina Utida, Paulo Muller

- PA3364** **Inter-individual variability in breathlessness perception in chronic obstructive pulmonary disease**
Peter Siu Pan Cho (London, United Kingdom), Hannah Victoria Fletcher, Irem S Patel, Gerrard Francis Rafferty, John Moxham, Richard Douglas Turner, Surinder Singh Birring, Caroline Judith Jolley
- PA3365** **Sensorial and physiological responses to symptom-limited progressive exercise in dyspneic subjects with inspiratory muscle weakness**
Bianca Feldmann (Ivoti, Brazil), Franciele Plachi, Debora Hütten, Ricardo Gass, Reisi Zambiasi, Fernanda M Balzan, Marcelo B Gazzana, Danilo C Berton
- PA3366** **Validation of the Timed Up and Go test to detect fallers in COPD patients**
Vivien Reynaud (Clermont Ferrand, France), Daniela Muti, Annick Greil, Denis Caillaud, Ruddy Richard, Emmanuel Coudeyre, Frédéric Costes
- PA3367** **Non-invasive assessment of pulmonary microcirculation at rest and exercise in patients with previous pulmonary thromboembolism**
Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Renata Diniz Marques, Brandon Palmer, Christine D'Arsigny, Denis E O'Donnell, J Alberto Neder
- PA3368** **The cardiopulmonary exercise test (CPET) in the evaluation of functional capacity before and after cardiac resynchronization therapy (CRT)**
(,), Maria Rosaria Castriotti
- PA3369** **The role of peak oxygen consumption measurement in predicting postoperative pulmonary complications in patients with early stage lung cancer**
Deniz Koksall (ankara, Turkey), Ferhad Ibrahimov, Sevinc Sarinc Ulasli, Erkan Dikmen, Yigit Yilmaz, Elif Babaoglu, Funda Aksu, Emin Maden, Riza Dogan, Salih Emri
- PA3370** **Investigating a relationship between obesity hypoventilation and physical function in severe obesity**
Johan Meurling (Dublin, Ireland), Emer O'Malley, Colin Dunlevy, Cathy Breen, Tomas Ahern, Tara Cusack, Donal O'Shea, John Garvey
- PA3371** **Role of training in SNIP maneuvers in Amyotrophic Lateral Sclerosis patients**
Paola Pierucci (Sydney (NSW), Australia), Michela Dimitri, Vito Liotino, Agnese Caringella, Pierluigi Carratu, Silvano Dragonieri, Onofrio Resta
- PA3372** **Long-term effects of high-intensity training after lung cancer surgery — A five-years follow-up of a randomized controlled trial**
Elisabeth Edvardsen (Oslo, Norway), Sigmund A Anderssen, Fredrik Borchsenius, Ole Henning Skjøsberg

7.2C Session 350 14:45 - 16:45

Poster discussion: Cryobiopsy in interstitial lung disease (ILD)

Disease(s) : Thoracic oncology Interstitial lung diseases Respiratory infections Respiratory infections

Method(s) : Imaging Endoscopy and interventional pulmonology

Chairs : Jürgen Hetzel (Tuebingen, Germany), Lizzy Wijmans (Amsterdam, Netherlands)

- PA3373** **Evaluation of Transbronchial Lung Cryobiopsy Freezing Time, Cryobiopsy Size, Histological Quality and Incidence of Complication: A Prospective Clinical Trial**
ShuLiang Guo (BARCELONA, Spain), Yishi Li, Jiawei Wei
- PA3374** **Evaluation of novel cryoprobes for transbronchial cryobiopsy – an in-vivo animal study**
Jürgen Hetzel (Tuebingen, Germany), Walter Linzenbold, Markus Enderle, Daniela Nüßle, Hans Bösmüller, Venerino Poletti
- PA3375** **Cryobiopsy versus VATS in management of patients with UIP possible**
Donato Lacedonia (Molfetta (BA), Italy), Domenico Loizzi, Nicla Ardò, Giovanna Elisiana Carpagnano, Massimo Selmi, Antonio Giuseppe Palmiotti, Ennio Vincenzo Sassani, Simona Tortorella, Francesco Sollitto, Maria Pia Foschino Barbaro
- PA3376** **Performance of cryobiopsy versus forcep biopsy in adjacent and eccentrically orientated R-EBUS lesion**
Sze Shyang Kho (Kuching (Sarawak), Malaysia), Mei Ching Yong, Swee Kim Chan, Siew Teck Tie
- PA3377** **Probe-based confocal laser endomicroscopy in differential diagnosis of interstitial lung diseases**
Igor Mamenko (St. Petersburg, Russian Federation), Igor Vasilev, Irina Tabanakova, Roman Velshikaev, Sultan Gasanmagomedov, Piotr Yablonskii
- PA3378** **Cryobiopsy in diagnosis of smear negative pulmonary tuberculosis (SNPTB)**
Tamer Ali El-Hadidy (Mansoura, Egypt), Mohammad K. Badrawy, Mohsen M. El Shafey1, Mohamed A. Abo El Ela2, Nadia W. El Sharkawy1

- PA3379 Catheter tract metastasis in mesothelioma patients with indwelling pleural catheters**
Sarah Hosseini (Ottawa (ON), Canada), Michael Mitchell, Pen Li, Carolina Souza, Kayvan Amjadi
-
- PA3380 Transbronchial lung cryobiopsy in asthmatic patients: is it useful?**
Sara Colella (Teramo (TE), Italy), Claudia Ravaglia, Chiara Massaccesi, Vittorio D'Emilio, Gianluca Panella, Federica Fioretti, Guido Collina, Riccardo Pela, Venerino Poletti
-
- PA3381 Single centre experience in safety and diagnostic yield of cryobiopsy**
Ana Hećimović (Zagreb, Croatia), Sonja Badovinac, Mihovil Roglič, Denis Baričević, Marija Alilović, Ivica Mažuranić, Ante Marušić, Sven Seiwert, Lovorka Batelja Vuletić, Miroslav Samaržija
-
- PA3382 Utility of transbronchial lung cryobiopsy with cryoprobe in DPLD**
Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Swapnil Bakamwar, Parimal Deshpande, Vinit Niranjane
-
- PA3383 Utility of radial probe endobronchial ultrasound guided transbronchial lung biopsy**
Kyung Chan Kim (Daegu city, Republic of Korea), Eun Jin Kim, Chi Young Jung
-
- PA3384 Transbronchial cryobiopsy guided by radial-EBUS for diagnosing interstitial lung diseases**
Maciej Gnass (Myślenice, Poland), Artur Bartzak, Anna Filarecka, Stanisław Orzechowski, Jerzy Soja, Małgorzata Szołkowska, Renata Langfort, Artur Szlubowski
-
- PA3385 TRANSBRONCHIAL LUNG CRYOBIOPSY IN AN INTENSIVE CARE UNIT**
M^a Rosa Cordovilla Perez (Salamanca, Spain), Virginia Guevara, Milagros Rosales, Susana Blanco P, Marta Paz Perez, Juan Alejandro Cascón, Clara Martí Maciá, M^a Dolores Ludeña De La Cruz, Miguel Angel Hernández Mezquita, Jose M^a González Ruiz
-
- PA3386 Diagnostic yield of transbronchial cryobiopsy in peripheral lung lesions**
Hanaa Shafiek (Alexandria, Egypt), Rezk Elaraby, Anwar Alganady, Mohamed Elhoffy
-
- PA3387 Cryobiopsy increases diagnostic yield in mucosal endobronchial lesions in comparison to forceps biopsy**
Ahmed Ehab Abdallah (Mansoura, Egypt), Mohammad Khairy El-Badrawy, Amr Abdelhamed Moawad, Mohammad Eldesoky Abo-Shehata
-
- PA3388 Transbronchial cryobiopsy protocol and diagnostic yield in diffuse parenchymal lung disease: a retrospective study**
Lígia Sofia Costa Santos Fernandes (Lisboa, Portugal), Catarina Antunes, Andrea Machado, Eva Brysch, Tiago Abreu, Leonor Mota, Júlio Semedo, Leonardo Ferreira, Analisa Ribeiro, Cristina Bárbara
-
- PA3389 Cryobiopsy - the utility in diagnostic bronchoscopy for ground-glass nodules -**
Yuji Matsumoto (Tokyo, Japan), Toshiyuki Nakai, Tomoki Nishida, Midori Tanaka, Takaaki Tsuchida, Yuichiro Ohe

7.2D Session 351 14:45 - 16:45

Poster discussion: Innovations in equipment and their application

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#) [Respiratory infections](#) [Sleep and breathing disorders](#) [Respiratory infections](#)

Method(s) : General respiratory patient care Imaging Epidemiology Physiology

Chairs : Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

- PA3390 Comparison of Forced and Impulse Oscillometry Measurements: A Clinical Population and Printed Airway Model Study.**
Marcia Soares (Leicester (Leicestershire), United Kingdom), Matthew Richardson, James Thorpe, John Owers-Bradley, Salman Siddiqui
-
- PA3391 Does using a forehead or finger sensor during the six minute walk test impact oxygen saturation measurement?**
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester, Beverley Moseley, Helen Parfrey, Karen Sheares, Katrina Oates
-
- PA3392 Structured Light Plethysmography as a method of recording disease severity in Cystic Fibrosis**
Muhammad Irfaan Khan (Cambridge, United Kingdom), Patricia Set, Mike Harrison, Alex Phythian, Chris Harding, Ines Henriques-Cadby, Stephen Walters, Karl Sylvester
-
- PA3393 Association between nasal and bronchial resistance in patients with COPD**
Gunta Strazda (Riga, Latvia), Kristine Jakone, Normunds Jurka, Olga Madaja, Dace Zentina, Immanuels Taivans
-
- PA3394 Impulse oscillometry in restrictive respiratory diseases**
Olga Savushkina (Moscow, Russian Federation), Alexander Cherniak, Marina Kameneva, Evgenij Kryukov, Andrey Zaytsev

- PA3395** **The effect of comorbid Metabolic Syndrome and latent Obstructive Sleep Apnoea on the baseline medical parameters of volunteers screened from a Barrett's Esophagus Registry.**
Peter Coss (Dublin 8, Ireland), D Otoole, N Ravi, M Obrien, N Clarke, P Lawlor, J Osullivan, P Goodman, J Reynolds, Am Mc Laughlin
- PA3396** **Prediction of individual cardiac output from measured VO₂ and ventilation**
Min-Yeong Kang (Palaiseau, Republic of Korea), Thông Hua-Huy, Sven Günther, Anh Tuan Dinh-Xuan, Bernard Sapoval
- PA3397** **How do forehead and finger sensors align to capillary oxygen saturation during the six minute walk test?**
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester, Beverley Moseley, Parfrey Helen, Sheares Karen, Katrina Oates
- PA3398** **Do predicted tidal volumes have value in setting up domiciliary non-invasive ventilation?**
Sara Parsons (Surbiton (Surrey), United Kingdom), Emma Baker
- PA3399** **Post-bronchodilator response (PBDR) evaluated by plethysmographic and spirometric target parameters in patients with COPD, asthma-COPD-overlap (ACO) and asthma**
Richard Kraemer (Muri-Bern, Switzerland), Monika Leuenberger, Fabian Gardin, Jürg Barandun, Karl Klingler, Lukas Kern, Martin Brutsche
- PA3400** **Modification of inspired oxygen fraction does not change exercise oxygen uptake measured by JAEGER® Vyntus CPX; a validation study**
Ronald de Jeu (Leiden, Netherlands), Robert Schot, Herman Groepenhoff, Aarten K. Ninaber
- PA3401** **Quantification of airflow limitation in chronic obstructive pulmonary disease**
Khaled Hussein (Assiut, Egypt), Sarah Helal, Randa Ezzeldin, Ahmed Hamed
- PA3402** **Effect of wearing the Elevation Training Mask 2.0 on pulmonary and respiratory muscles function**
Marina Segizbaeva (St. Petersburg, Russian Federation), Nina Aleksandrova
- PA3403** **Obstructive sleep apnea after weight loss: when should we repeat the sleep study?**
Ana Lutas (Lisboa, Portugal), Sofia Furtado, Richard Staats, João Valença, Teresa Pequito, Marco Pereira, Paulo Roquete
- PA3404** **Detailed physiological profiling of patients for a study investigating the airway microbiome**
Aisling McGowan (Dublin, Ireland), Orla O'Carroll, Anna O'Brien, Seamus Cox, Patrick Goodman, Conor Burke
- PA3405** **Reference values for impulse oscillometry for children aged 3–18 years obtained using lambda-mu-sigma method – preliminary results**
Jakub Radliński (Rabka-Zdrój, Poland), Henryk Mazurek, Zbigniew Doniec, Grzegorz Siergiejko
- PA3406** **Diagnostic accuracy of asthma severity grading using machine learning features and lung sounds**
Shrikant Pawar (Pune (Maharashtra), India), Sundeep Salvi, Yogesh Thorat, Rich Fletcher, Aneesh Anand, Christian Infante, Neerja Shastri, Vandana Vincent

7.3J

Session 352

14:45 - 16:45

Poster discussion: Latest developments in cystic fibrosis

Disease(s) : **Airway diseases** **Respiratory infections** **Respiratory infections**

Method(s) : Public health Respiratory intensive care Cell and molecular biology Physiology Epidemiology General respiratory patient care

Chairs : Mirjam Stahl (Heidelberg, Germany), Jane C. Davies (London, United Kingdom)

- PA3407** **Synergistic activity of colistin in combination with N-acetylcysteine against colistin-resistant *Acinetobacter Baumannii* grown in biofilms**
Francesco Sergio (Neuchâtel, Switzerland), Simona Pollini, Selene Boncompagni, Tiziana Di Maggio, Stefano Aliberti, Francesco Blasi, Lucia Pallecchi, Gian Maria Rossolini
- PA3408** **Safety and efficacy of intravenous (IV) Fosfomycin in adult cystic fibrosis patients**
Carlotta Biglia (Orbassano (TO), Italy), Cristina Bena, Giacomo Bonizzoni, Michela Bellocchia, Alessia Grande, Fabio Traversa, Elisa Clivati, Gianpiero Bandelli, Sara Demichelis, Carlo Albera, Barbara Messori
- PA3409** **Azoles therapeutic drug monitoring and fungal antimicrobial resistance in adults with Cystic Fibrosis**
Marcello Di Paolo (Roma (RM), Italy), Kavita Dave, Anitha Vijayasingam, Roosey Sheth, Emma Luke, Andrew Scourfield, Lisa Nwankwo, Silke Schelenz, Joseph Stuart Elborn, Darius Armstrong-James, Anand Shah
- PA3410** **The prevalence and diversity of fungi in respiratory samples of cystic fibrosis patients – a Dutch, nationwide, prospective, multicentre study**
Peter J. F. M. Merkus (Nijmegen, Netherlands), Tobias Engel, Lydie Slabbers, Carmen De Jong, Willem Melchers, Ferry Hagen, Paul Verweij, Jacques Meis

PA3411	Identification of disease specific biomarkers by exhalomics using Secondary Electrospray Ionisation High-resolution Mass Spectrometry (SESI-HRMS) in children with cystic fibrosis Katharina Heschl (Zürich, Switzerland), Naemi Haas-Baumann, Ronja Weber, Astghik Baghdasaryan, Srdjan J. Micic, Florian Singer, Renato Zenobi, Tobias Bruderer, Alexander Möller
PA3412	Detection of Pseudomonas aeruginosa infection in cystic fibrosis patients by eNose technology Marije Lammers (Amsterdam, Netherlands), Renate Kos, Rianne De Vries, Paul Brinkman, J. W. F. Dagelet, Niels W. Rutjes, C. J. Majoor, S. W. J. Terheggen-Lagro, E.J.M. Weersink, Lieuwe D. J. Bos, Peter J. Sterk, Anke-Hilse Maitland-Van Der Zee, Anne H. Neerinx & The Amsterdam Cf Research Group
PA3413	Reduced uptake of inhaled carbon in airway macrophages from children with cystic fibrosis Norrice Liu (London, United Kingdom), Lisa Miyashita, Jonathan Grigg
PA3414	Retrospective analysis of treatment with Ivacaftor/Lumacaftor in patients with cystic fibrosis at the Munich Cystic Fibrosis Centers Susanne Naehrig (München, Germany), Pontus Mertsch, Matthias Griese, Matthias Kappler, Rudolf M Huber
PA3415	Effects of Lumacaftor-Ivacaftor Therapy on CFTR Function in Phe508del Homozygous Patients with Cystic Fibrosis Simon Y. Gräber (Berlin, Germany), Christian Dopfer, Lutz Naehrlich, Lena Gyulumyan, Heike Scheuermann, Stephanie Hirtz, Sabine Wege, Heimo Mairbaeurl, Marie Dorda, Rebecca Hyde, Azadeh Bagheri-Hanson, Claudia Rueckes-Nilges, Sebastian Fischer, Marcus A. Mall, Burkhard Tuemmler
PA3416	Noninvasive ventilation (NPPV) affects Pulmonary Exacerbation (PE) rate in Cystic Fibrosis children (Cfc). GABRIELA FERREYRA (TORINO, Italy), Lorenzo Appendini, Lucia Ronco, Irene Esposito, Elisabetta Bignamini
PA3417	Exercise capacity in patients with cystic fibrosis at 6 and 12 months after lung transplantation Marco Damin (Padova (PD), Italy), Michela De Toni, Maria Rita Marchi, Gabriele Foltran, Erica Bazzan, Graziella Turato, Marina Saetta, Manuel Cosio
PA3418	Acute effects of combined exercise and oscillatory positive expiratory pressure therapy on sputum properties and lung diffusing capacity in cystic fibrosis: a randomized, controlled, crossover trial Thomas Radtke (Zürich, Switzerland), Lukas Boeni, Peter Bohnacker, Marion Maggi-Bebba, Peter Fischer, Susi Kriemler, Christian Benden, Holger Dressel
PA3419	Risk factors for early lung function decline in young children with Cystic Fibrosis Juan Balinotti (Ciudad Autónoma Buenos Aires, Argentina), Daniel Chang, Viviana Rodriguez, Silvina Lubovich, Silvina Zaragoza, Natalia Escobar, Carlos Kofman, Lucia Perez, Victoria Ardiles, Alejandro Teper
PA3420	The TLR4 regulator miR-21 is downregulated in the paediatric cystic fibrosis airway Arlene Glasgow (Dublin 9, Ireland), Arlene Glasgow, Sebastian Vencken, Chiara De Santi, Rana Raoof, David Henshall, Barry Linnane, Paul McNally, Catherine Greene
PA3421	HspB5 in Cystic Fibrosis Fanny Degrugillier (Créteil, France), Xavier Decrouy, Virginie Prulière-Escabasse, Chong Jiang, Daniela Rotin, Pascale Fanen, Stéphanie Simon
PA3422	Large phenotypic spectrum associated with two new deep intronic variants on the CFTR gene Anne BERGOUGNOUX (Montpellier Cedex 5, France), Karine Deletang, Jessica Varilh, Florence Houriez, Jean-Pierre Altieri, Michel Koenig, Claude Férec, Claustres Mireille, Thierry Bienvenu, Marie-Pierre Audrezet, Adrien Pagin, Emmanuelle Girodon, Caroline Raynal, Magali Taulan-Cadars
PA3423	PRO-INFLAMMATORY ACTIVITY AND OXIDATIVE STRESS ON A LINE OF CYSTIC FIBROSIS (CF) HUMAN RESPIRATORY EPITHELIUM Juan Manuel Figueroa (Ciudad Autónoma Buenos Aires, Argentina), Mariángel Clazure, Ángel Gabriel Valdivieso, María Macarena Massip-Copiz, Consuelo Mori, Andrea Vanesa Dugour, Doris Primrose, Tomas Santa Coloma
PA3424	Plasma ceramides and sphingomyelins increase in primary ciliary dyskinesia but decrease in cystic fibrosis Dilara Bal Topcu (Ankara, Turkey), Gokcen Tugcu, Filiz Ozcan, Mutay Aslan, Sanem Esref, Mina Gharibzadeh Hizal, Ebru Elmas Yalcin, Deniz Dogru Ersoz, Ugur Ozcelik, Nural Kiper, Incilay Lay, Yesim Oztas

7.3R Session 353 15:00 - 16:00

Educational forum: Ensuring impactful independent education CPD and lifelong learning

Aims : This session brings together ERS educational leadership, national society representatives, and educationalists alike to discuss the key issues in respiratory medical education, including:

- assessing educational needs
- importance of continuing professional for better patient outcomes
- trends and challenges

The audience will be encouraged to discuss the key issues that they are facing in their local, national and international educational settings.

Tag(s) : Translational**Target audience** : Adult pulmonologist/Clinician, Policy maker, Paediatrician, Patient**Chairs** : Daiana Stolz (Basel, Switzerland), Vivienne Parry (Oxon, United Kingdom)

15:00	Introduction Daiana Stolz (Basel, Switzerland)	3425
15:10	Assessing the educational needs (individual, multi-disciplinary team, country, profession/specialty) Stefano Aliberti (Milan, Italy)	3426
15:25	Importance of continuing medical professional development - Patient perspective - patient outcomes (I. Saraiva) - Professionals perspective - impact, behaviour change, ensuring standards, outcomes (R. Stevenson) - Innovation (C. Jackson) Isabel Saraiva (Cascais, Portugal), Robin Stevenson (Glasgow (Glasgow), United Kingdom), Chad Jackson (, United States of America)	3427
15:40	Discussion (open floor) Vivienne Parry (Oxon, United Kingdom)	3428
15:55	Conclusions and wrap up Daiana Stolz (Basel, Switzerland)	3429

7.3K Session 17:00 - 17:50

Group members' meeting: Group 9.2 Physiotherapists

Chairs : Daniel Langer (Leuven, Belgium), Deniz Inal-Ince (Ankara, Turkey)

17:15-19:15

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM

SEE PAGE 1

7.2C **Session 367** **07:00 - 08:15****Challenging clinical cases: CC6 Interstitial lung diseases**

Aims : To present complex cases of rare ILDs and discuss in an interactive fashion. These cases were clinically very difficult, and the session will describe how the diagnosis was made, the radiological and pathological patterns in the case, and the pathogenetic mechanisms that were identified. The aim is to increase knowledge about the modalities that were used to build up the clinical reasoning and the biological mechanisms that may connect different disorders.

Disease(s) : **Interstitial lung diseases** Pulmonary vascular diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Pathologist, Radiologist, Thoracic surgeon, Trainee

Chairs : Jan C. Grutters (Nieuwegein, Netherlands)

Acute respiratory failure: 7 years after monolateral lung transplant for COPD 3510
Claudia Ravaglia (Forlì, Italy)

Lung nodules: an unusual cause 3511
Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

Primary Pulmonary Amyloidosis - The experience at a tertiary hospital on the Gold Coast, Australia 3512
Robert Carroll (Brisbane (QLD), Australia)

CT and FDG PET/CT findings of pulmonary involvement in methotrexate-associated lymphoproliferative disease 3513
Sachi Matsubayashi (Tokyo, Japan)

7.2D **Session 368** **07:00 - 08:15****Challenging clinical cases: CC7 Severe asthma**

Aims : To present challenging cases of patients with severe asthma and comorbidity. It will address disease-specific challenges, including issues with compliance and risk management. To describe how the diagnosis was made and the pathogenetic mechanisms that may be involved. To increase also the knowledge about patients with severe asthma and the treatment approaches available.

Disease(s) : **Airway diseases**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Paediatrician, Trainee, Student

Chairs : Antonio Spanevello (Milan, Italy)

Case 1 3514
Pascal Chanez (Marseille, France)

Case 2 3515
Stephen James Fowler (Preston (Lancashire), United Kingdom)

Eosinophilic otitis media and eosinophilic asthma; shared pathophysiology and response to anti-IL5 3516
Marieke T. Drijver-Messelink (Groningen, Netherlands)

Asthma evolution before and after diagnosis and treatment for Chronic eosinophilic leukemia 3517
Cristina Calarasu (Craiova (Dolj), Romania)

ABPA diagnosis in a late onset, difficult to treat, asthma in a 84 year-old female 3518
Konstantinos Eleftheriou (Athens, Greece)

7.3J **Session 369** **07:00 - 08:15****Challenging clinical cases: CC8 Non-resolving pneumonia**

Aims : To review diagnosis and management of possible pulmonary and non-pulmonary causes of non-resolving pneumonia.

Disease(s) : **Respiratory infections**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Student, Trainee

Chairs : Miquel Ferrer Monreal (Barcelona, Spain)

Non-responding pneumonia in a renal trasplant patient 3519
Rosario Menendez Villanueva (Valencia, Spain)

Respiratory organising pneumonia Sebastian Ott (Bern, Switzerland)	3520
Denosumab therapy recipient presenting with Cryptococcosis pneumonia with polymicrobial superinfection Shiang-Fen Huang (Taipei, Taiwan)	3521
Community-Acquired Pneumonia with Evolving Cavitation and Peripheral Eosinophilia Alexander Ryu (Rochester, United States of America)	3522
Recurrent pneumonia in a patient with HIV Jorge Alberto Ordoñez Cardales (Bogotá, Colombia)	3523

7.3T Session 370 08:00 - 10:20

Skills workshop: SW16 Essential skills for the intensive care unit

Aims : to learn the essential skills needed for the daily work in intensive care units.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Christian Bruells (Aachen, Germany)

Introduction	3524
Bronchoscopy - the basics Gregoris Stratakos (Athens, Greece)	3525
Intubation - how to do it correctly Christian Bruells (Aachen, Germany)	3526
Percutaneous tracheostomy Ignacio Martin-Loeches (Dublin 8, Ireland)	3527
How to handle haemoptysis Prashant Nemichand Chhajed (Mumbai, India)	3528

7.3U Session 371 08:00 - 10:20

Skills workshop: SW13 Radiological-pathological correlations in different lung diseases for clinicians

Aims : to demonstrate and discuss the radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

Disease(s) : Airway diseases Thoracic oncology

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee

Chairs : Philipp A. Schnabel (Homburg (Saar), Germany)

Introduction	3529
Lung emphysema Hans-Ulrich Kauczor (Heidelberg, Germany), Wim Timens (Groningen, Netherlands)	3530
Interstitial fibrosis Annette Fisseler-Eckhoff (Wiesbaden, Germany), Sara Tomassetti (Forli, Italy)	3531
Lung cancer Walter De Wever (Leuven, Belgium), Philipp A. Schnabel (Homburg (Saar), Germany)	3532

7.3A Session 372 08:30 - 10:30

Session: Pulmonary endoscopy Lung cancer and the pleural diseases

Aims : It is important to correctly diagnose and stage the many patients with suspected lung cancer that the clinician will encounter in pulmonary practice. The techniques that will be demonstrated in this session are confocal endoscopy, transparenchymal nodule access (TPNA), EBUS/EUS-B and advanced thoracoscopy. The aim is to demonstrate and comment on established methods such as EBUS and advanced thoracoscopy as well as to introduce the upcoming options such as confocal endoscopy and TPNA.

Disease(s) : Thoracic oncology

Tag(s) : Clinical

Chairs : Luc Thiberville (Rouen, France), Pallav L. Shah (London, United Kingdom)

08:30	First procedure: confocal endoscopy Luc Thiberville (Rouen, France)	3533
09:00	Second procedure: transparenchymal nodule access (TPNA) for a single pulmonary nodule (SPN) Felix J.F. Herth (Heidelberg, Germany)	3534
09:30	Third procedure: staging with EBUS/EUS Jouke T. Annema (Amsterdam, Netherlands)	3535
10:00	Fourth procedure: advanced thoracoscopy Nick Maskell (Bristol (Avon), United Kingdom)	3536

7.3N Session 373 08:30 - 10:30

Symposium: State of the art session: Respiratory critical care Mechanical ventilation and beyond in acute and chronic respiratory failure

Aims : This session will provide state of the art information on topics that relate to the ventilatory and non-ventilatory management of patients with acute and chronic respiratory failure. Key topics include ventilatory and non-ventilatory management strategies in acute respiratory distress syndrome (ARDS) (particularly in terms of preventing ventilator-induced lung injury); weaning from mechanical ventilation (with particular focus on the importance of the timing of tracheostomy); the delivery of non-invasive respiratory support by non-invasive ventilation (NIV) and high-flow nasal cannula (HFNC) in acute hypoxemic and hypercapnic respiratory failure; and the non-invasive ventilatory modalities that are available for chronic obstructive pulmonary disease (COPD) patients at home, both when they are stable and after they have had an acute exacerbation with persistent hypercapnia.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Adult pulmonologist/Clinician

Chairs : Marcus Schultz (Amsterdam, Netherlands), Lúcia Helena Pires Vicente (Portimão, Portugal)

08:30	Ventilatory and non-ventilatory strategies in ARDS Laurent Brochard (Toronto (ON), Canada)	3537
09:00	Strategies for weaning from mechanical ventilation Leo M.A. Heunks (Amsterdam, Netherlands)	3538
09:30	Non-invasive respiratory strategies in acute respiratory failure Stefano Nava (Bologna (BO), Italy)	3539
10:00	Non-invasive ventilatory strategies in stable COPD Wolfram Windisch (Cologne, Germany)	3540

7.1A Session 374 08:30 - 10:30

Symposium: Proteases: at the cutting edge of lung disease

Aims : to provide an update on the pathological roles of proteases in lung diseases. Protease deregulation is a constant feature in acute and chronic lung diseases. Until recently, proteases were thought to simply act as protein-degrading enzymes. However, recent ground-breaking research has identified a variety of novel protease substrates that play important roles in lung pathophysiology. These findings suggest that proteases are actually critical pleiotropic orchestrators of the cell behaviour that leads to lung diseases. The symposium will describe and integrate these novel protease research findings. The aim is to bring together leading researchers from different fields of lung disease research with the hope of fostering the exchange of knowledge between not only basic and clinical researchers but also within the lung community.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Scientist (basic, translational), Paediatrician

Chairs : Jean-Michel Sallenave (Paris, France), Stephen M. Stick (Perth (WA), Australia)

08:30	The proteasome - an intracellular protease that is dysregulated in lung diseases Silke Meiners (München, Germany)	3541
09:00	Neutrophil elastase and lung damage in cystic fibrosis Marcus Mall (Berlin, Germany)	3542
09:30	Coagulation proteases and idiopathic pulmonary fibrosis - the dangerous liaison Keren Borensztajn (Paris, France)	3543
10:00	The role of cathepsin S in lung disease Clifford Taggart (Belfast (Belfast), United Kingdom)	3544

7.1B Session 375 08:30 - 10:30

Symposium: GINA 2018 and beyond: shaping the future of asthma management

Aims : (i) To understand how to integrate risk reduction strategies into personalised asthma care; (ii) to explore the new GINA (Global Initiative to Asthma) 2018 pocket guide for difficult-to-treat and severe asthma and to understand how a design thinking approach can enhance the utility of clinical resources; (iii) to learn about implementation strategies for airway disease, including in low- and middle-income countries; and (iv) to learn about future plans for GINA and to understand how to improve the design of asthma research studies.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marc Humbert (Paris, France), Pascal Chanez (Marseille, France)

08:30	A personalised approach to risk reduction in asthma in GINA Guy Brusselle (Ghent, Belgium)	3545
09:00	A new GINA resource in 2018: a practical guide for assessing and managing difficult-to-treat and severe asthma Jerry Krishnan (Chicago, United States of America)	3546
09:30	Hard talk: is GINA truly global? Successes and challenges Eric D. Bateman (Cape Town, South Africa)	3547
10:00	GINA 2018 and beyond: the challenges of evidence-led innovation and leadership Helen Reddel (Sydney (NSW), Australia)	3548

7.3C Session 376 08:30 - 10:30

Symposium: Accelerated ageing in lungs

The key to chronic lung disease and comorbidities

Aims : to discuss recent advances in our understanding of the molecular processes that underlie accelerated ageing and cellular senescence and how these processes may lead to chronic lung diseases such as chronic obstructive pulmonary disease (COPD), idiopathic pulmonary fibrosis, and pulmonary hypertension and their comorbidities. Since the elderly population, which is prone to multi-morbidity, is increasing, these diseases will become more and more important for respiratory and general physicians, particularly the latter.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Tag(s) : Basic science

Target audience : Clinical researcher, General practitioner, Pathologist, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Masakazu Ichinose (Sendai, Japan), Gaetano Caramori (Messina (ME), Italy)

08:30	The science of ageing Moises Eduardo Selman Lama (Mexico, Mexico)	3549
09:00	Accelerated ageing in COPD Elizabeth Cordoba-Lanus (Santa Cruz De Tenerife, Spain)	3550
09:30	Accelerated ageing in idiopathic pulmonary fibrosis and pulmonary hypertension Serge Adnot (Creteil, France)	3551

10:00 **Clinical implications and novel therapies** 3552
Peter J. Barnes (London, United Kingdom)

7.3Z1 Session 377 08:30 - 10:30

Symposium: Prenatal origins of respiratory and atopic disorders

Epidemiological and experimental evidence

Aims : to educate the audience about the current state of knowledge concerning the early-life origins of respiratory and atopic disorders. The session will describe what we have learned from 1) epidemiological birth cohort studies: multiple approaches that can be used to strengthen causal inference with respect to prenatal exposures will be described, including Mendelian randomisation, gene-environment interactions, negative parental controls, sibling controls, twin studies and follow-up of children from prenatal intervention trials; 2) experimental studies in animals and humans: how animal models can complement epidemiology in the investigation of this topic will be discussed. The results from recent exciting trials on nutrient supplementation in pregnancy aimed at primary prevention of asthma will also be presented.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology Public health

Tag(s) : Translational

Target audience : Paediatrician, Scientist (basic, translational)

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), Erik Melén (Stockholm, Sweden)

08:30 **Using genetic epidemiology and existing trial cohorts to identify the prenatal causes of childhood respiratory and atopic disorders** 3553
Seif Shaheen (London, United Kingdom)

09:00 **Using advanced family and twin designs to control for confounding of associations between prenatal risk factors and asthma** 3554
Catarina Almqvist Malmros (Stockholm, Sweden)

09:30 **How animal models can complement epidemiology in furthering our understanding of the prenatal origins of respiratory disease** 3555
Susanne Krauss-Etschmann (Borstel, Germany)

10:00 **Can nutrient supplementation in pregnancy prevent childhood asthma?** 3556
Hans Bisgaard (Hellerup, Denmark)

7.3B Session 378 08:30 - 10:30

Oral presentation: New perspectives on asthma, cough and laryngeal obstruction

Disease(s) : Airway diseases

Method(s) : Epidemiology Physiology General respiratory patient care Endoscopy and interventional pulmonology

Chairs : Roberto A. Rabinovich (Edinburgh (Scotland), United Kingdom), Georgios Kaltsakas (Athens, Greece)

OA3557 **Late Breaking Abstract - Unsupervised machine learning of novel emphysema subtypes: SPIROMICS**
R GRAHAM BARR (NEW YORK, United States of America), Jie Yang, Elsa Angelina, Pallavi Balte, Eric Hoffman, John Austin, Ben Smith, Eugene Bleecker, Russ Bowler, Chris Cooper, David Couper, Mark Dransfield, Meilan Han, Nadia Hansel, Fernando Martinez, Robert Paine, Prescott Woodruff, Victor Ortega, Andrew Laine

OA3558 **Airway closure during metacholine challenge is correlated to body mass index**
Roberto Torchio (Venaria Reale (TO), Italy), Laura Barrocu, Carlotta Biglia, Claudio Ciacco, Marco Guglielmo, Fabio Luigi Massimo Ricciardolo

OA3559 **Role of leptin and cysteinyl leukotrienes in the pathogenesis of exercise-induced bronchoconstriction in obese asthmatic children**
Marwa Moaaz (Alexandria, Egypt), Ibrahim El-Akkary, Nader Fasseeh, Mohamed El-Ghazali, Ola Elgaddar

OA3560 **The Effect of Bronchial Thermoplasty on Lung Function in Severe Asthma Patients**
Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N.S. D'Hooghe, Annelies M. Slats, Joost G. Van Den Aardweg, Jouke T. Annema, Peter I. Bonta

OA3561 **Modulation of Transient Receptor Potential Vanilloid-1 (TRPV1) response by inhaled prostaglandin-E2 and bradykinin**
Filippo Liviero (Padova (PD), Italy), Maria Cristina Scarpa, Paola Mason, Gabriella Guarnieri, Piero Maestrelli

OA3562 **Predictors of manually assisted effectiveness over mechanically assisted cough in ALS patients**
Santos Ferrer Espinosa (Valencia, Spain), Jesús Sancho Chinesta, Enric Burés Sales, Emilio Servera Pieras

OA3563 Objective quantification and analysis of laryngeal obstruction using deep learning algorithms
Emil S. Walsted (Frederiksberg, Denmark), Jianyu Lin, Daniel S. Elson, James H. Hull

OA3564 The ventilatory pattern and the operational volumes during exercise in subjects with diagnosed exercise-induced laryngeal obstruction (EILO)
Antonella LoMauro (Milano (MI), Italy), Henrik Johansson, Andrei Malinovsky, Peter Frykholm, Elisabet Mallmin, Katarina Norlander, Andrea Aliverti, Leif Nordang

7.3Z2

Session 379

08:30 - 10:30

Oral presentation: Notable Studies in Asthma**Disease(s) :** Airway diseases**Method(s) :** Physiology Imaging Cell and molecular biology General respiratory patient care**Chairs :** Subhabrata Moitra (Barcelona, Spain), Chair to be confirmed

OA3565 Late Breaking Abstract - Airway sensory innervation is increased in chronic cough
Emily Blum (Portland, United States of America), Matthew Drake, Allison Fryer, David Jacoby, Richard Costello

OA3566 Late Breaking Abstract - Long-term safety & durability of mepolizumab in life-threatening/seriously debilitating severe eosinophilic asthma (SEA): COSMEX
Frank Albers (Chapel Hill, United States of America), Sandhya Khurana, Eric Bradford, Martyn Gilson, Robert Price, Guy Brusselle, Elisabeth Bel, J Mark Fitzgerald, Matthew Masoli, Stephanie Korn, Marc Humbert

OA3567 Late Breaking Abstract - Long-term safety and efficacy of benralizumab in severe, uncontrolled asthma: first results of BORA, a randomized, Phase III extension study
William Busse (Madison, United States of America), Eugene R. Bleeker, J. Mark Fitzgerald, Gary T. Ferguson, Peter Barker, Stephanie Sproule, Richard F. Olsson, Mitchell Goldman, Ubaldo Martin

OA3568 Late Breaking Abstract - Patients with severe eosinophilic asthma benefit from the treatment with Anti-IL-5 Reslizumab – a real life study from Austria
Katharina Marth (WIEN, Austria), Andreas Renner, Karin Patocka, Wolfgang Pohl

OA3569 Late Breaking Abstract - Transcriptomic Profiling of Severe Asthma using Artificial Intelligence techniques
Mahmood Hachim (Sharjah, United Arab Emirates), Bassam Mahboub, Rifat Hamoudi, Saba Al Heialy, Qutayba Hamid Hamid

OA3570 Late Breaking Abstract - Longitudinal analysis of variation in clinical features from the U-BIOPRED severe asthma cohort
Dominick Shaw (Nottingham (Nottinghamshire), United Kingdom), Aruna T. Bansal, John Riley, Stewart Bates, Stelios Pavlidis, Louise J. Fleming, Ian M. Adcock, Julie Corfield, Charles Auffray, Jeanette Bigler, Hans Bisgaard, Michael Boedigheimer, Klaus Bonnelykke, Andrew Bush, Kian Fan Chung, Ratko Djukanovic, Urs Frey, Stephen J. Fowler, Simone Hashimoto, Gunila Hedlin, Xuguang Hu, Claire Murray, Bjorn Nordlund, Florian Singer, Peter J. Sterk, Ana R. Sousa, Wim Van Aalderen, Scott Wagers, Wen Yu, Graham Roberts

OA3571 Late Breaking Abstract - Gender and asthma: Gender-dependent effects of obesity on allergic pulmonary inflammation
Rodrigo Lacerda (Campinas, Brazil), Yanira Vasquez, Gabriel Anhe, Clive Page

OA3572 Late Breaking Abstract - Which treatable traits matter? Prevalence of treatable traits and risk of exacerbation in a random population sample with asthma
James Fingleton (Wellington, New Zealand), Saras Mane, Jo Hardy, Christina Baggott, Mathew Williams, Ruth Semprini, Irene Braithwaite, Justin Travers, Mark Weatherall, Richard Beasley

7.3K

Session 380

08:30 - 10:30

Symposium: Microorganisms and lung ecology: living in peace with bugs

Aims : To improve the understanding of (i) the subtle interactions between humans and microorganisms both within and outside the context of infections; (ii) how the respiratory immune system can move from homeostasis to dysbiosis; (iii) the roles that the interactions between humans and microorganisms play in the pathogenesis and natural history of pneumonia and chronic noncommunicable respiratory diseases; and (iv) the potential of treatments that modulate the microbiome.

Disease(s) : Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology Physiology Transplantation**Tag(s) :** Translational**Target audience :** Clinical researcher, Pathologist, Scientist (basic, translational), Adult pulmonologist/Clinician**Chairs :** Anh Tuan Dinh-Xuan (Paris, France), Nicolas Roche (Paris, France)

08:30	Host-microorganism interactions in lung homeostasis: the influence of age, microbes and the immune system James D. Chalmers (Dundee (Angus), United Kingdom)	3573
09:00	Dynamics of the human microbiome network Karoline Faust (Leuven, Belgium)	3574
09:30	Manipulating the microbiome to control human diseases Patricia Lepage (Jouy en Josas, France)	3575
10:00	Towards an ecology of the lung: new conceptual models of pulmonary microbiology and pneumonia pathogenesis Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	3576

7.3Q Session 381 08:30 - 10:30

Oral presentation: Biomarkers in COPD and asthma

Disease(s) : **Airway diseases**

Method(s) : Physiology Cell and molecular biology Epidemiology General respiratory patient care

Chairs : Stylianos Loukides (Athens, Greece), Chair to be confirmed

OA3577	Late Breaking Abstract - ENose based phenotyping of newly presented patients with asthma or COPD Rianne de Vries (Amsterdam, Netherlands), Yennece W. F. Dagelet, Sigrid Kester, Johannes H. H. C. In 'T Veen, Eric G. Haarman, Annelies Lucas, Frans H. C. De Jongh, Anke-Hilse Maitland-Van Der Zee, Peter J. Sterk
OA3578	U-BIOPRED accessible handprint: combining omics platforms to identify stable asthma subphenotypes Bertrand De Meulder (LYON, France), Romain Tching Chi Yen, Chuan-Xing Li, Asa Wheelock, Kian Fan Chung, Ian Adcock, Ratko Djukjanovic, Scott Wagers, John Riley, Veit Erpenbeck, Per Bakke, Massimo Caruso, Pascal Chanez, Sven-Erik Dahlén, Stephen Fowler, Ildiko Horvath, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandström, Dominic Shaw, Florian Singer, Ioannis Pandis, Aruna Bansal, Peter Sterk, Frédéric Baribaud, Charles Auffray
OA3579	Ezrin, a membrane cytoskeleton cross linker protein, as a marker of epithelial damage in asthma Xin Yao (Nanjing (Jiangsu), China), Man Jia, Xiaoyi Yan, Xinyu Jiang, Jie Jiang, Xia Shan, Xiuwei Zhang, Ian Adcock, Mao Huang
OA3580	Markers of systemic inflammation are associated with increased symptoms and respiratory exacerbations among smokers with preserved spirometry in SPIROMICS Stephanie Christenson (San Francisco, United States of America), Suresh Garudadri, Prescott G. Woodruff, Meilan K. Han, R. Graham Barr, Eugene Bleecker, Russel Bowler, Alejandro Comellas, Christopher B. Cooper, Gerard Criner, Mark Dransfield, Nadia N. Hansel, Robert Paine, Jerry A. Krishnan, Stephen Peters, Fernando Martinez, Jeff Curtis, Annette Hastie, Wanda O'Neal, David Couper, Neil E. Alexis
OA3581	Investigating the reproducibility of real time breath measurements using proton transfer reaction - time of flight - mass spectrometry for breath of volatile organic compounds in COPD Patients. Luke Bryant (Leicester (Leicestershire), United Kingdom), Liesl Carr, Ahmed Yousuf, Rebecca Cordell, Michael Wilde, Christopher Brightling, Paul Monks
OA3582	Association between exhaled volatile organic compounds and urinary levels of oral corticosteroids within the U-BIOPRED Cohort Paul Brinkman (Amsterdam, Netherlands), Waqar Ahmed, Cristina Gómez, Hugo H. Knobel, Hans Weda, Teunis J. Vink, Tamara M. Nijssen, Craig E. Wheelock, Sven-Erik Dahlen, Paolo Montuschi, Richard G. Knowles, Susanne J. Vijverberg, Anke H. Maitland-Van Der Zee, Peter J. Sterk, Stephen J. Fowler

Temporal Fluctuations of Electronic Nose Signatures in Patients with Asthma and Healthy Controls Challenged With Rhinovirus

Anirban Sinha (Amsterdam, Netherlands), Rianne De Vries, J W. F. Dagelet, Urs Frey, Rene Lutter, Anke-Hilse Maitland-Van Der Zee, Peter J. Sterk, Faculty of Medicine, University of Patras, Rion), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Vassilios Papaleonidopoulos (papaleonv@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Georgia Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Katerina Kauka (katerinakauka2@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Ioannis Lilis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Georgios Stathopoulos (gstathop@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Rion)

OA3583

Searching for inflammatory and oxidative-stress markers capable of clustering severe asthma.

Giulia Scioscia (Lucera (FG), Italy), Giovanna Elisiana Carpagnano, Donato Lacedonia, Grazia Cotugno, Sonia Santamaria, Mariapia Venuti, Annarita Depalo, Maria Cristina Colanardi, Maria Pia Foschino Barbaro

OA3584

7.3M

Session 382

08:30 - 10:30

Oral presentation: New ideas about respiratory and sleep physiology in children

Disease(s) : Sleep and breathing disorders

Method(s) : Epidemiology Public health General respiratory patient care Physiology

Chairs : Graham Hall (Perth (WA), Australia), Refika Hamutcu Ersu (Istanbul, Turkey)

OA3585 Late Breaking Abstract - Sensibility and specificity of the "SLEEP CLINICAL RECORD" Protocol in Brazilian children.

Silke Anna Theresa Weber (Botucatu (SP), Brazil), Camila Castro Correa, Melania Evangelisti, Maria Pia Villa

OA3586 Glutathione s-transferase genotype determines lung function deficits from infancy to adulthood in those with in utero tobacco exposure

Louisa Owens (Sydney (NSW), Australia), Ingrid Laing, Jasminka Murdzoska, Guicheng Zhang, Peter Lesouef

OA3587 Should bronchodilator response be assessed in all asthmatic children with normal baseline spirometry?

Nicole Beydon (Paris, France), Edouard Dufetelle, Plamen Bokov, Christophe Delclaux

OA3588 Lingual frenulum evaluation in school age children with and without sleep disordered breathing

Melania Evangelisti (Roma (RM), Italy), Mario Barreto, Manuela Cecili, Emanuela Scopelliti, Maria Pia Villa

OA3589 Management of upper airway obstruction in infants with Robin sequence in the United Kingdom

Marie Wright (London, United Kingdom), Sheila Javadpour, Patricia Jackson, Edile Murdoch, Felicity Mehendale, Don Urquhart

OA3590 Validation of the hypoxia challenge test for preterm infants.

Maureen Verheggen (Nedlands (WA), Australia), Tolu Okitika, Claire Shackleton, Rhea Urs, Mary Sharp, Graham Hall

OA3591 Variability of tidal breathing parameters in preterm infants and associations with respiratory morbidity during the first year of life: a cohort-study

Jakob Usemann (Basel, Switzerland), Andrea Suter, Emanuela Zannin, Elena Proietti, Sotirios Fouzas, Sven Schulzke, Philipp Latzin, Urs Frey

OA3592 Role of CO2 monitoring in the diagnosis and management of paediatric sleep disordered breathing

Federica Trucco (Genova (GE), Italy), Andrew Bush, Hui-Leng Tan

7.30

Session 383

08:30 - 10:30

Oral presentation: Acute pulmonary embolism: from diagnosis to treatment

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : Imaging General respiratory patient care

Chairs : Philippe Girard (Paris, France), Luke Howard (London, United Kingdom)

- OA3593** **Late Breaking Abstract - An evaluation of standard UK pulmonary rehabilitation post pulmonary embolism**
Laura Moth (London, United Kingdom), Lynn McDonnell, Leyla Osman, Philip Marino, Gill Arbane, George Kaltsakas, Bhashkar Mukherjee
- OA3594** **Does simplified Well's score combined with age-adjusted d-dimer reduce inappropriate CT pulmonary angiogram and incidence of contrast induced nephropathy?**
Asim Ahmed (Stoke -On-Trent, United Kingdom), Zeeshan Mustafa, Qandeel Khan, Shahbaz Piracha, Azam Saied, Mohammed Haris, Muhammed Iqbal, Badar Ganaie
- OA3595** **An audit of requests for CT Pulmonary Angiogram in haemodynamically stable non-pregnant patients with suspected pulmonary embolism**
Joelle Azzopardi (Mosta, Malta), Gabriel Degiorgio, Gabriel Borg, Julian Cassar, Paula Grech, Kyra Bartolo, Brendan Caruana Montaldo
- OA3596** **A radiomics nomogram based on CT pulmonary angiographic data for predicting adverse outcomes in non-high-risk acute pulmonary embolism patients**
Gang Hou (Shenyang (Liaoning), China), Xiaoming Zhou
- OA3597** **The prognostic value of Red cell distribution width(RDW) in acute pulmonary thromboembolism**
samaneh parsia (tehran, Islamic Republic of Iran), Nasibeh Hosseinvand, Soheil Peiman
- OA3598** **Determinants and prognostic impact of diagnostic delay in pulmonary embolism**
Celine GOYARD (Boulogne, France), Benoit Cote, Vincent Looten, Anne Roche, Jean Pastre, Jonathan Marey, Benjamin Planquette, Guy Meyer, Olivier Sanchez
- OA3599** **Prognostic role of respiratory failure in acute pulmonary embolism:a pulmonologist's point of view**
Roberta Pancani (Pontedera (PI), Italy), Liliana Villari, Ferruccio Aquilini, Alessandro Celi, Antonio Palla
- OA3600** **The evaluation of medication adherence in patients with pulmonary thromboembolism**
Ilknur Basyigit (Kocaeli, Turkey), Serap Argun Baris, Tuba Ciftci, Serhat Ozgun, Hasim Boyaci

7.3P **Session 384** **08:30 - 10:30**

Oral presentation: Paediatric respiratory infections: translational and clinical perspectives

Disease(s) : Respiratory infections Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology

Chairs : Ricardo Miguel Ribeiro Marques Cunha Fernandes (Lisboa, Portugal), Marijke Proesmans (Leuven, Belgium)

- OA3601** **Late Breaking Abstract - Microsimulation model of future trends in CF burden and demography in France**
Pierre-Régis Burgel (Sorbonne Paris Cité, France), Marc Massetti, Henri Leleu, Lydie Lemonnier, Brigitte Menoret-Calles, Michel Abely, Anne Farge, Isabelle Durieu
- OA3602** **Microbiome Characteristics of Induced Sputum compared to Bronchial Fluid and Upper Airway Samples**
Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Adilia Warris, Shi-Qi An
- OA3603** **Assessing polymicrobial interactions in a 3D primary airway epithelial cell model**
Matthew Wee-Peng Poh (Subiaco (WA), Australia), Angela Fonceca, Anthony Kicic, Mark Everard
- OA3604** **Interferon-stimulated gene expression differs in bronchiolitis caused by RSV-A strains NA1 and ON1**
Alessandra Pierangeli (Rome, Italy), Carolina Scagnolari, Camilla Bitossi, Agnese Viscido, Antonella Frassanito, Laura Petrarca, Raffaella Nenna, Fabio Midulla
- OA3605** **Blood gas analysis as a marker of severity in acute bronchiolitis**
Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Christopher Halliday, Ashkan Ziaie, Steve Cunningham
- OA3606** **"Effects" of bronchiolitis on ventilation inhomogeneity (VI) at preschool age: comparison of Multiple Breath Washout (MBW) between post-bronchiolitis, cystic fibrosis and healthy children**
Giulia Cangiano (Verona (VR), Italy), Riccardo Guarise, Antonella Borruso, Laura Menin, Gloria Tridello, Paolo Biban, Ciro D'Orazio, Fabio Midulla, Sonia Volpi
- OA3607** **Infant bronchiolitis increases the risk of reduced lung function at age 10-13 years**
(), Riikka Riikonen, Sari Törmänen, Katri Backman, Petri Koponen, Merja Helminen, Kirsi Nuolivirta, Matti Korppi
- OA3608** **Outcomes in protracted bacterial bronchitis (PBB): a five year prospective cohort study**
Thomas Ruffles (Brisbane (QLD), Australia), Julie Marchant, Ian Masters, Helen Buntain, Greta Busch, John Upham, Danielle Wurzel, Stephanie Yerkovich, Peter Gibson, Katie Baines, Simpson Jodie, Susan Pizzutto, Sandra Hodge, Greg Hodge, Anne Chang

7.3L Session 385 08:30 - 10:30

Poster discussion: Interdependence of COPD and comorbidities and the underlying mechanisms

Disease(s) : Airway diseases Thoracic oncology Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Imaging Epidemiology General respiratory patient care

Chairs : Marjolein Brusse-Keizer (Enschede, Netherlands), Pierre-Régis Burgel (Sorbonne Paris Cité, France)

- PA3609 Comparative analysis of rhythm disturbances in patients with chronic obstructive pulmonary disease (COPD).**
Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin
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- PA3610 COPD in patients evaluated for stable myocardial ischemia – observational study**
Viktor Hamrefors (Malmö, Sweden), Andreas Jonsson, Artur Fedorowski, Gunnar Engstrom, Per Wollmer
-
- PA3611 Remodeling of common carotid and common femoral arteries in COPD patients without previously diagnosed cardiovascular diseases (CVD).**
Sergey Avdeev (Moscow, Russian Federation), Viliya Gaynitdinova, Natalya Tsareva, Zamira Merzhoeva
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- PA3612 The role of interleukin 6 on incident atrial fibrillation in COPD patients**
Maxim Grymonprez (Diksmuide, Belgium), Vincent Vakaet, Maryam Kavousi, Bruno H. Stricker, M. Arfan Ikram, Jan J. Heeringa, Oscar H. Franco, Guy G. Brusselle, Lies Lahousse
-
- PA3613 Mechanisms of Cardiac arrhythmias in patients with chronic obstructive disease (COPD)**
Jihen Ben Amar (Tunis, Tunisia), Asma Saidane, Haifa Zaibi, Manel Ben Halima, Sana Ouali, Mohamed Sami Mourali, Besma Dhahri, Hichem Aouina
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- PA3614 Association of phase angle and hypoxemia in ambulatory patients with chronic obstructive pulmonary disease and heart failure.**
Carmen Linette Olivo Villalobos (Mexico, Mexico), A Orea-Tejeda, D González-Islas, C Chávez-Mendéz, G Dávila-Said, R Sánchez-Santillán, V Peláez-Hernández, C Espinosa-De Los Monteros, M Rivera-Rodríguez, L Castillo-Aguilar, L Hernández-Urquieta, K Balderas-Muñoz
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- PA3615 Chronic obstructive pulmonary disease and cardiac remodeling: gender aspect.**
Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin
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- PA3616 Prevalence of comorbidities in established and newly treated patients with COPD according to GOLD 2017 in a UK primary care population**
David M. G. Halpin (Exeter Devon, United Kingdom), Hilda De Jong, Victoria Carter, Derek Skinner, David Price
-
- PA3617 Microvascular coronary perfusion and hyperinflation in COPD – data from the LEAD (Lung, hEart, sociAl, boDy) study**
Matthias Urban (Wien, Austria), Marie Kathrin Breyer, Robab Breyer-Kohansal, Alina Ofenheimer, Sylvia Hartl, Otto Chris Burghuber
-
- PA3618 Impact of chronic obstructive pulmonary disease in hospitalized patients who undergo transcatheter aortic valve implantation**
Alicia Oliva Ramos (Rivas-Vaciamadrid, Spain), Javier De Miguel Díez, Elena Rodríguez Jimeno, Alicia Cerezo Lajas, Laura Ramirez García, Luis Puente Maestu, Ana López De Andrés, Valentín Hernández Barrera, Rodrigo Jiménez García
-
- PA3619 COPD in symptomatic aortic stenosis: the importance of correct assessment for defining prognosis**
Marzia Rigolli (Oxford (Oxfordshire), United Kingdom), Andrea Rossi, Pier Luigi Temporelli, Giovanni Benfari, Giovanni Cioffi, Nicola Gaibazzi, Stefano Nistri, Federica Guidetti, Luigi Tavazzi, Saul Myerson, Mona Bafadhel, Pompilio Faggiano
-
- PA3620 Metabolic Syndrome negatively affects pulmonary function in COPD patients**
Maria Rosaria Vulpi (Toritto (BA), Italy), Vito Liotino, Anna Castrovilli, Cosimo Tortorella, Giuseppina Piazzolla, Mafalda Candigliota, Onofrio Resta
-
- PA3621 Osteoporosis onset in patients prescribed ICS for COPD: matched cohort study**
Jaco Voorham (Lisboa, Portugal), David Price, Jaco Voorham, Guy Brusselle, Andreas Clemens, Robert Fogel, Hye Yun Park, Jeffrey Stephens, Nicolas Roche
-
- PA3622 Visceral adiposity index in patients with chronic obstructive pulmonary disease**
Orhan Altinöz (Hatay, Turkey), Sakir Ozgur Keskek
-
- PA3623 Non-traumatic vertebral fractures among COPD patients**
Lilach Israeli-Shani (Tel Aviv, Israel), Matthew Koslow, Gali Epstein-Shochet, Ori Wand, David Shitrit

PA3624 **Testosterone levels and their association with COPD severity: A cross sectional study.**
Horacio Matias Castro (Ciudad Autónoma Buenos Aires, Argentina), Joaquin Maritano Furdada, Pablo Knoblovits, Sebastian Suarez, Pablo Costanzo

PA3625 **Lung cancer screening in COPD patients.**
Maria Pascarella (Basel, Switzerland), Desiree Schumann, Aline Stalder-Siebeneichler, Eleni Papakonstantinou, Corinne Giroy, Nora Oertli, Michael Tamm, Daiana Stolz

PA3626 **Lung Cancer Screening Programs: a missed “window” to diagnose Obstructive Lung Disease. The NLST-ACRIN experience.**
Juan Pablo de Torres (Pamplona (Navarra), Spain), Juan Wisnivesky, David Wilson, Ciro Casanova, Jose María Marin, Victor Pinto Plata, Miguel Divo, Francesca Polverino, Carlos Cabrera, Javier Zulueta, Bartolome Celli, Gorka Bastarrika

Terminal 7**Session 386****08:30 - 10:30****Oral presentation: Muscle adaptations in response to physiotherapeutic interventions in acute and chronic settings****Disease(s) :** Airway diseases Respiratory critical care Interstitial lung diseases**Method(s) :** General respiratory patient care Respiratory intensive care Physiology Cell and molecular biology**Chairs :** Wendy Darlene Reid (Toronto ON, Canada), Heleen Demeyer (Leuven, Belgium)

OA3627 **Late Breaking Abstract - Carnosine and related compounds in m. vastus lateralis of COPD patients: preliminary results**
Jana De Brandt (Diepenbeek, Belgium), Chris Burtin, Frank Vandenabeele, Joseph Aumann, Laura Blancquaert, Jan Stautemas, Wim Derave, Martijn Spruit

OA3628 **Early NeuroMuscular Electrical Stimulation reduces muscle mass loss in Critically Ill patients.**
Johan Segers (Leuven, Belgium), Daniel Langer, Noppawan Charususin, Bregje Frickx, Inge Demeyere, Beatrix Clerckx, Greet Van Den Berghe, Ilse Vanhorebeek, Greet Hermans, Rik Gosselink

OA3629 **Effects of early passive cycling exercise on quadriceps femoris thickness in critically ill patients: a controlled randomized pilot study**
Isabella Albuquerque (Santa Maria (RS), Brazil), Janice Soares, Dulciane Paiva, Dannuey Cardoso, Maurício Ximenes Carvalho

OA3630 **Effectiveness of four early-rehabilitation techniques in sedated and ventilated patients in ICU**
Clement Medrinal (LE HAVRE, France), Yann Combret, Guillaume Prieur, Aurora Robledo Quesada, Tristan Bonnevie, Francis Edouard Gravier, Elise Dupuis, Eric Frenoy, Olivier Contal, Bouchra Lamia

OA3631 **Neural or muscular adaptations to low-load/high-repetition knee extension training in people with COPD**
Andre Nyberg (Umeå, Sweden), Didier Saey, Mickaël Martin, Mathieu Morisette, François Maltais

OA3632 **Test-retest reliability of three strategies to measure quadriceps muscle endurance in people with COPD**
Erik Frykholm (Umeå, Sweden), Sarah Gephine, Didier Saey, Hieronymus W.H. Van Hees, Peter Klijn, Francois Maltais, Arthur Lemson, Andre Nyberg

OA3633 **Skeletal limb muscle oxygenation and regional blood volume during incremental loading in interstitial lung disease**
Lisa Wickerson (Toronto (ON), Canada), Dina Brooks, Sunita Mathur, Lianne Singer, John Granton, Darlene Reid

OA3634 **Inspiratory muscle effort, perfusion and oxygenation responses to inspiratory muscle training (IMT) with Tapered Flow Resistive Loading (TFRL) and Normocapnic Hyperpnea (NH) in COPD.**
Zafeiris Louvaris (Leuven, Belgium), Sauwaluk Dacha, Lotte Janssens, Rik Gosselink, Ioannis Vogiatzis, Daniel Langer

7.2A**Session 387****08:30 - 10:30****Poster discussion: Additional latest insights in pulmonary rehabilitation for chronic lung diseases****Disease(s) :** Airway diseases Respiratory infections Respiratory infections**Method(s) :** Epidemiology Physiology Public health General respiratory patient care**Chairs :** Martijn A. Spruit (Horn, Netherlands), Beatriz Abascal Bolado (Santander (Cantabria), Spain)

PA3635 **Fear-avoidance beliefs, exercise capacity, and activity-related dyspnea during pulmonary rehabilitation in patients with COPD**
Thomas Janssens (Leuven, Belgium), Zora Van De Moortel, Wolfgang Geidl, Klaus Pfeifer, Nikola Stenzel, Nicola Leibert, Michael Wittman, Konrad Schultz, Andreas Von Leupoldt

PA3636 **Effect of a conical PEP-mask on dyspnea and exercise endurance in COPD patients: a randomized crossover trial**
Chatchai Phimphasak (Khon Kaen, Thailand), Malipron Pukdeechat, David Jones, Chulee Ubolsakka-Jones

- PA3637 Characterization of motivation toward physical activity and sedentary behavior in patients admitted for a rehabilitation program**
Guillaume Chevance (Lodeve, France), MéLissa Roux, Amandine Calvat, Julie Boiché, Nelly HéRaud
- PA3638 Bronchodilation or pulmonary rehabilitation: which test of exercise performance yields the greatest response for patients with stable COPD? An RCT.**
Theresa Harvey-Dunstan (Leicester (Leicestershire), United Kingdom), Ruth M Tal-Singer, Mike I Polkey, Alan L Hamilton, Michael C Steiner, Michael D Morgan, Sally J Singh
- PA3639 Cardiovascular risk and exercise capacity in COPD**
Yousef S Aldabayan (London, United Kingdom), Ahmed M Al Rajah , Abdulelah Aldhahir, Arthur Lemson, George Nava, Jeremy S Brown, John R Hurst
- PA3640 The COPD Assessment Test in patients with non-cystic fibrosis bronchiectasis undergoing pulmonary rehabilitation**
Aaron Cole (Harefield, United Kingdom), Claire M Nolan, Ruth E Barker, Sarah E Jones , Suhani Patel, Samantha S-C Kon, William D-C Man
- PA3641 Prevalence of physical limitation in COPD: the short physical performance battery (SPPB)**
Victoria Benson (Uxbridge (Middlesex), United Kingdom), Divya Mohan, Matthew Allinder, Nicholas Galwey, Carmel Mceniery, Jonathan Fuld, Charlotte Bolton, William Macnee, John Cockcroft, Ian Wilkinson, Ruth Tal-Singer, Michael Polkey
- PA3642 Impact of Physical Frailty on Pulmonary Rehabilitation and Hospitalisation in COPD**
Kola Akinlabi (London, United Kingdom), Binny Patel, Ken Johnston, Bunmi Adebajo, Radoslav Trojak, Ahmed Alrajeh, Temitayo Magbagbeola, John R Hurst
- PA3643 Impact of mild cognitive impairment on health benefits 6 months after a rehabilitation program**
Francois Alexandre (Lodeve, France), Thomas Henry, Laurene Charbonnel, Florence Dupuy, Philippe Guerin, Guillaume Chevance, Nelly Heraud
- PA3644 Online coaching for physical activity in COPD patients: user engagement and determinants**
Rita Priori (Eindhoven, Netherlands), Privender Saini, Marian Dekker, Lenneke Van Genugten, Mareike Klee
- PA3645 High flow nasal cannula during walking in severe COPD patients: a randomized controlled trial.**
Veronica Rossi (Pavia (PV), Italy), Serena Cirio, Manuela Piran, Giuditta Bettinelli, Laura Zocchi, Piero Ceriana, Annalisa Carlucci
- PA3647 Relationship of the COTE index with pulmonary rehabilitation outcomes**
Angela Burge (Pahran, Australia), Christine McDonald, Ajay Mahal, Catherine Hill, Annemarie Lee, Narelle Cox, Rosemary Moore, Caroline Nicolson, Paul O'Halloran, Aroub Lahham, Rebecca Gillies, Anne Holland
- PA3648 Suitable questionnaires to measure quality of life in patients with asthma bronchial undergoing pulmonary rehabilitation**
Larissa Schwarzkopf (Neuherberg, Germany), Boglárka Szentes, Nicola Leibert, Michael Wittmann, Rupert Wagner, Dennis Nowak, Hermann Faller, Michael Schuler, Konrad Schultz
- PA3649 Changes in cognitive function of cognitively impaired patients with COPD after Pulmonary Rehabilitation and 1-year follow-up**
Vasileios Andrianopoulos (Schönau am Königssee, Germany), Rainer Gloeckl, Tessa Scheeberger, Nadine Troeller, Ioannis Vogiatzis, Rembert Koczulla, Klaus Kenn
- PA3650 Clustering of patients with end-stage chronic diseases by symptoms: a new approach to identify health needs.**
Panaiotis Finamore (Roma (RM), Italy), Martijn Spruit, Jos Schols, Raffaele Antonelli Incalzi, Emiel Wouters, Daisy Janssen
- PA3651 Spot Marching Exercise for home-based pulmonary rehabilitation in COPD: physical performance and quality of life**
Chulee Jones (Khon Kaen, Thailand), Chatchai Phimphasak, Maliporn Pukdeechat, David Jones
- PA3652 Predictors of daily physical activity in COPD patients undergoing pulmonary rehabilitation**
Georgios Kaltsakas (Athens, Greece), Maroula Vasilopoulou, Zafeiris Louvaris, Nikolaos Chynkiamis, Stavroula Spetsioti, Eleni Kortianou, Sofia-Antiopi Gennimata, Anastasios Palamidis, Andriana I. Papaioannou, Nickolaos G. Koulouris, Ioannis Vogiatzis
- PA3646 Responsiveness of the EQ-5D to Pulmonary Rehabilitation (PR)**
Laura Moth (London, United Kingdom), Lauren Hogg, Lynn McDonnell, Leyla Osman

7.2B Session 388 08:30 - 10:30

Poster discussion: CTD-ILD and hypersensitivity pneumonitis: from the bench to the bedside

Disease(s) : **Interstitial lung diseases** **Airway diseases** ■

Method(s) : Epidemiology Physiology Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology Imaging

Chairs : Elena Bargagli (Firenze (FI), Italy), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

- PA3653** **Late Breaking Abstract - SMOKING PREVALENCE AND CHARACTERIZATION OF PATIENTS AT DIAGNOSIS OF DIFFUSE INTERSTITIAL LUNG DISEASES**
J. Sellarés (Barcelona, Spain), Núria Albacar Ingla, S. Cuerpo, F. Hernández-González, E. Barbeta, C. Lucena, M. Boada, G. Espinosa, R. Castellanos, O. Viñas, A. Xaubet, C. Agustí, S. Prieto, J. Ramírez, M. Sánchez
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- PA3654** **LSC - 2018 - Physical and biochemical interactions drive fibrocytes accumulation in the scleroderma lung matrix**
Huanxing Sun (New Haven, United States of America), Julia Winkler (julia.winkler@yale.edu / Yale University, New Haven), Maksym Minasyan (maksym.minasyan@yale.edu / Yale University, New Haven), Hongyi Pan (hongyi.pan@yale.edu / Yale University, New Haven), Omkar Desai (Omkar.desai@yale.edu / Yale University, New Haven), Amanda Pellowe (Amanda.pellowe@yale.edu / Yale University, New Haven), Jia Li (jia.li.jl2875@yale.edu / Shanghai Jiao Tong University, Shanghai), Xueyan Peng (xueyan.peng@yale.edu / Yale University, New Haven), Anjelica Gonzalez (Anjelica.gonzalez@yale.edu / Yale University, New Haven), Erica Herzog (erica.herzog@yale.edu / Yale University, New Haven)
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- PA3655** **Confocal Laser Endomicroscopy (CLE) for Differentiating the Underlying Cause of Ground Glass Opacities in ILD Patients**
Lizzy Wijmans (Amsterdam, Netherlands), Daniel De Bruin, Joris Roelofs, Inge Van Den Berk, Rene Jonkers, Peter Bonta, Venerino Poletti, Jouke Annema
-
- PA3656** **Nintedanib inhibits contractile activity of lung myofibroblasts in a cellular model of scleroderma associated pulmonary fibrosis**
Galina Bogatkevich (Charleston, United States of America), Ilia Atanelishvili, Tanjina Akter, Lutz Wollin, Richard M Silver
-
- PA3657** **Significance of pulmonary involvement in systemic sclerosis (SSc)– data from the German SSc-network**
Michael Kreuter (Heidelberg, Germany), Francesco Bonella, Nobert Blank, Elise Siegert, Joerg Henes, Margitta Worm, Cord Sunderkoetter, Marc Schmalzing, Alexander Kreuter, Claudia Guenther, Laura Susok, Gabriele Zeidler, Ina Koetter, Ulf Mueller-Ladner, Thomas Krieg, Aaron Juche, Tim Schmeiser, Gabriele Riemekasten, Elisabeth Aberer, Noemi Gaebelein-Wissing, Joerg H. W. Distler, Miklos Sardy, Christiane Pfeiffer, Kathrin Kuhr, Hanns-Martin Lorenz, Pia Moinzadeh, Nicolas Hunzelmann
-
- PA3658** **Health care resources utilisation and costs in patients with non-IPF progressive fibrosing interstitial lung disease**
Amy Olson (Denver, United States of America), Toby Maher, Margaret Salisbury, Valentina Acciai, Baher Mounir, Manuel Quaresma, Leila Zouad-Lejour, Christopher Wells, Aryeh Fischer
-
- PA3659** **Incidence, comorbidity and survival rate of hypersensitivity pneumonitis: A population-based study**
Anne Hald Rittig (Århus N, Denmark), Ole Hilberg, Anders Løkke
-
- PA3660** **The antifibrotic effect of Imatinib loaded CD44 targeted gold nanoparticles (Im-CD44-GNP) relies on alveolar macrophage regulation**
Federica Meloni (Pavia (PV), Italy), Monica Morosini, Veronica Codullo, Vanessa Frangipane, Sara Magni, Helios Recalde, Simona Inghilleri, Giuditta Comolli, Emanuela Cova, Carlomaurizio Montecucco, Miriam Colombo, Davide Properi
-
- PA3661** **Functional analysis of ABCA3 in phosphatidylcholine metabolism**
Yang LI (, China), Susanna Kinting, Stefanie Hoepfner, Matthias Griese
-
- PA3662** **A retrospective clinical review of drug induced interstitial lung disease at a tertiary cancer centre**
Fiona Walker (Manchester (Greater Manchester), United Kingdom), Rachel Broadbent, Ben Taylor, Sean Tenant, Kim Linton
-
- PA3663** **Prognostic factors in Korean patients with chronic hypersensitivity pneumonitis**
Yeon joo Kim (Seoul, Republic of Korea), Jooae Choe, Eun Jin Chae, Joon Seon Song, Dong Soon Kim, Jin Woo Song
-
- PA3664** **Serum KL-6 as a marker of disease progression in SSc-ILD**
Carmel Stock (London, United Kingdom), Rachel Hoyles, Cecile D'Accord, Maria Kokosi, Veronica Alfieri, Corrado Campochiaro, Jackie Donovan, Letizia Mori, Toby M Maher, Vasilis Kouranos, George Margaritopoulos, Peter M George, Philip L Molyneaux, Felix Chua, Voon Ong, Christopher P Denton, Athol U Wells, Elizabetta A Renzoni
-
- PA3665** **Effect of genotype on hypersensitivity pneumonitis despite treatment.**
Martina Šterclová (Praha, Czech Republic), Martin Petřek, Amit Kishore, Jelena Skibova, Martina Vasakova
-
- PA3666** **Anti-CTGF antibody attenuates silica-induced lung fibrosis in rats**
Kenneth Lipson (San Francisco, United States of America), Xiuqing Cui, Zhe Peng, Yun Zhou, Hai Zhang, Yuewei Liu

- PA3667 Impact of a specialist respiratory pharmacist in the management of interstitial lung disease**
Mariam Naqvi (London, United Kingdom), Grainne D'Ancona, Alex West
-
- PA3668 A case series study on re-treatment to lung cancer after drug-induced interstitial lung disease**
Satoru Terada (Tenri Nara, Japan), Takashi Hajiro, Hidetaka Yutani, Masakuni Ueyama, Tomoko Nakanishi, Nobuyoshi Hamao, Takashi Inao, Yusuke Kaji, Takehiro Yasuda, Seisyu Hashimoto, Eisaku Tanaka, Yoshio Taguchi
-
- PA3669 Impact Prognostic impact of comorbidities in patients with chronic Hypersensitivity Pneumonitis**
Julia Wälscher (Heidelberg, Germany), Benjamin Gross, Jacques Bruhwyler, Julie Morisset, Claus Peter Heussel, Felix Lasitschka, Felix F. Herth, Michael Kreuter
-
- PA3670 Quality of life of the patients followed for diffuse interstitial pneumonitis with fibrosis**
elhamdaoui lamyae (casablanca, Morocco), Jabri Hasna, Elkhatabi Wiam, Afif Hicham

7.2C Session 389 08:30 - 10:30

Poster discussion: Drug-resistant tuberculosis

Disease(s) : Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Surgery Cell and molecular biology Respiratory intensive care Epidemiology General respiratory patient care Public health

Chairs : Giovanni Battista Migliori (Varese (VA), Italy), Gunar Günther (Windhoek, Namibia)

- PA3671 Outcomes of 6-9-12 months' bedaquiline-containing regimens in MDR/XDR TB after 24 months follow up**
Sergey Evgenievich Borisov (Moscow, Russian Federation), Alexey Filippov, Taysya Ivanushkina, Diana Ivanova, Yuliya Garmash
-
- PA3672 Outcomes of drug-resistant TB cases undergoing bedaquiline (BQ)-treatment and adjunctive surgery**
Sergey Evgenievich Borisov (Moscow, Russian Federation), Lia D'Ambrosio, Rosella Centis, Keertan Dheda, Jan-Willem Alffenaar, Rohit Amale, Evgeny Belilowski, Judith Bruchfeld, Barbara Canneto, Justin Denholm, Raquel Duarte, Aliasgar Esmail, Alex Filippov, Lina Davies Forsman, Mina Gaga, Shashank Ganatra, Gaida Anastasia Igorevna, Barbara Lazaro Mastrapa, Vinicio Manfrin, Selene Manga, Andrey Maryandyshev, Gilbert Massard, Pablo González Montaner, Jai Mullerpattan, Domingo Juan Palmero, Agostina Pontarelli, Apostolos Papavasileiou, Emanuele Pontali, Rodolfo Romero Leyet, Antonio Spanevello, Simon Tiberi, Adrian Tramontana, Zarir Farokh Udwardia, Pietro Viggiani, Dina Visca, Giovanni Sotgiu, Giovanni Battista Migliori
-
- PA3673 Experience of treatment Pre-XDR and XDR-TB/HIV co-infection with bedaquiline and delamanid containing regimens in Georgia**
Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Natalia Bolokadze, Nino Kiria, Lali Mikiashvili
-
- PA3674 Long-term results of multidrug-resistant tuberculosis treatment.**
Mariya Pavlova (St. Petersburg, Russian Federation), Irina Chernokhaeva, Anna Starshinova, Nadezhda Sapozhnikova, Liudmila Archakova, Evgenia Istomina, Elena Ershova
-
- PA3675 DISCREPANCY ACROSS PHENOTYPIC AND GENOTYPIC RESULTS OF DRUG SUSCEPTIBILITY TESTING OF MYCOBACTERIUM TUBERCULOSIS**
Valeriu Crudu (Chisinau, Republic of Moldova), Sofia Alexandru, Alexandru Codreanu, Nelly Ciobanu, Dumitru Chesov, Valentina Vilc, Ana Donica, Elena Romancenco, Ecaterina Noroc, Nadejda Turcan, Christoph Lange
-
- PA3676 Genotypic and phenotypic drug resistance of M.tuberculosis in patients registered in Moscow, Russia**
Evgeny Belilovskiy (Moscow, Russian Federation), Maria Krasnova, Anastasia Khakhalina, Sergey Borisov, Svetlana Safonova, Elena Nosova
-
- PA3677 Risk factors associated with MDR-TB deaths in Romania - 6 years retrospective study**
Ramona Elena Nedelcu (Bucuresti, Romania), Adriana Socaci
-
- PA3678 Molecular analysis of mutations in genes associated with multidrug-resistance in Mycobacterium tuberculosis isolates from patients with tuberculosis in Moscow region, Russia**
Maria Alvarez Figueroa (Pushkino (Moscow Oblast), Russian Federation), Ruslan Ludannyy, Sergey Popov, Igor Mokrousov, Anna Vyazovaya, German Shipulin
-
- PA3679 Early experience with the implementation of the WHO shorter MDR-TB treatment regimen in Singapore**
Hoi Wah She (Singapore, Singapore), Yee Tang Wang, Suay Hong Gan, Angeline Poh Gek Chua, Cynthia Bee Eng Chee
-
- PA3680 Bacteriological conversion in XDR-TB and RR-TB patients with fluoroquinolone resistance treated with and without new and repurposed anti-TB drugs in Azerbaijan prisons**
Alan Altraja (Tartu, Estonia), Elmira Gurbanova, Rafail Mehdiyev, Kai Blöndal
-
- PA3681 Rising trend of drug resistance among extra pulmonary TB in Northern India**
Surya Kant (Lucknow (Uttar Pradesh), India), Anand Kumar Maurya, Vijaya Lakshmi Nag, Jyoti Bajpai

- PA3682** **The first experience of therapeutic dendritic cells vaccine administration in patients with extensively drug resistant lung tuberculosis**
Anna Starshinova (St. Petersburg, Russian Federation), Michail Filatov, Michail Nazarenko, Vladimir Burdakov, Sergey Landa, Evgenia Istomina, Galina Marfina, Piotr Yablonskiy
- PA3683** **Extensively drug-resistant tuberculosis in the penitentiary facilities of the Russian Federation**
Larisa Rusakova (Moscow, Russian Federation), Sergey Sterlikov, Sergey Ponomarev
- PA3684** **Knowledge and attitudes of chest physicians regarding screening of household contacts of MDR TB patients & infection control.**
Jai Mullerpattan (Mumbai (Maharashtra), India), Zarir Udwardia, Shashank Ganatra, Husain Poonawala, Girija Kishore
- PA3685** **Metabolism of connective tissue in multidrug-resistant pulmonary tuberculosis**
Iryna Ovcharenko (Kharkiv, Ukraine), Olga Shevchenko, Olga Pogorelova, Sergey Ovcharenko
- PA3686** **Current approaches to formulate evidence-based recommendations: a case study of WHO drug-resistant tuberculosis treatment guidance**
Dennis Falzon (Genève, Switzerland), Nathan Ford, Ernesto Jaramillo, Payam Nahid, Pete Cegielski, Holger Schunemann, Jan Brozek, Karin Weyer
- PA3687** **Isoniazid resistance is associated with delayed culture conversion during anti-tuberculosis treatment among patients with pulmonary tuberculosis**
Chaeuk Chung (Daejeon, Republic of Korea), Ju Ock Kim, Sung-Soo Jung, Jinsook Lim, Ki Man Lee, Kyeong Seob Shin, Jong Hyock Park, Jinsoo Min

7.2D Session 390 08:30 - 10:30

Poster discussion: Asthma analysis

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Respiratory infections](#) [Respiratory infections](#)

Method(s) : Imaging Cell and molecular biology Public health Endoscopy and interventional pulmonology Physiology
Epidemiology General respiratory patient care

Chairs : Kamal Maurice Hanna (Cairo, Egypt), Christophe Leroyer (Brest, France)

- PA3688** **Occupational asthma : still an underdiagnosed disease**
Imene MAGROUN BEN SALAH (Ariana, Tunisia), Saloua Ismail, Emna Baraketi, Ines Aissa, Abir Ayadi, Hager Ghannouchi, Sonia Fehri, Samya Jamoussi, Habib Nouaigui
- PA3689** **The effect of Corticophobia on Inhaled Corticosteroid Treatment Compliance In Adults with Asthma**
Halil Ibrahim Yakar (Istanbul, Turkey), Erkan Ceylan, Asiye Kanbay
- PA3690** **Evolution of asthma in relation to the bronchial inflammatory phenotype: a follow-up study**
Mikel Sarasate Azkona (Barcelona, Spain), Cayetano Diaz Chantar, Christian Romero, Marian Ramon, Iñigo Ojanguren, Xavier Muñoz, M Jesus Cruz
- PA3691** **Obesity-associated asthma – what about weight loss surgery?**
Líliá Maia Santos (Coimbra, Portugal), Bárbara Ramos, Cláudia Chaves Loureiro
- PA3692** **Characterising the Adult Obese-Difficult Asthma Phenotype within the WATCH cohort**
Anna Freeman (Southampton, United Kingdom), Adnan Azim, Matt A E Harvey, Heena M Mistry, Hans Michael Haitchi, Colin Newell, Tom M Wilkinson, Judit Varkonyi-Sepp, Frances Mitchell, Ramesh J Kurukulaaratchy
- PA3693** **Assessment of nutritional status in Tunisian asthmatic patients**
hager kchouk (tunis, Tunisia), Haifa Zaibi, Dorra Karray, Jihen Ben Ammar, Mohamed Ali Baccar, Saloua Azzabi, Besma Dhahri, Hichem Aouina
- PA3694** **The usefulness of the impulse oscillometry for predicting the treatment outcomes of bronchial thermoplasty in patients with severe asthma.**
Akiko Sano (Osaka, Japan), Hiroyuki Sano, Takashi Iwanaga, Osamu Nishiyama, Yuji Tohda
- PA3695** **Cluster analysis of cough variant asthma using exhaled value of forced oscillation technique.**
Fumika Koike (Kanagawa, Japan), Yoshio Otani, Saki Oyama, Wakaba Furuie, Junji Endo, Yoichi Nakamura, Takao Miyoshi, Miho Akaza, Tetsuo Sasano, Yasunari Miyazaki, Naohiko Inase, Yuki Sumi
- PA3696** **The volume fraction of extracellular matrix within the airway smooth muscle layer is related to fixed airflow obstruction in asthma**
John Elliot (Perth (WA), Australia), Alvenia Cairncross, Peter Noble, Alan James

- PA3697 Distinct impact of abdominal visceral adiposity on adult asthma symptoms**
Houman Goudarzi (Sapporo, Japan), Satoshi Konno, Hirokazu Kimura, Hironi Makita, Munehiro Matsumoto, Nozomu Takei, Hiroki Kimura, Kaoruko Shimizu, Masaru Suzuki, Yoichi Ito, Masaharu Nishimura
- PA3698 Time course relationships of Type 1 and 2 inflammatory and innate immune pathways during Human Rhinovirus (HRV) infection in subjects with asthma**
Alex Mann (London, United Kingdom), Alex Mann, Michael A Ghebre, Alan Bell, Chris Poll, John Eftimiou
- PA3699 Identification of pulmonary treatable traits in a real-life setting**
Jodie Simpson (New Lambton, Australia), Rahul Shrimanker, Samantha Thulborn, Jennifer Cane, Richard Russell, Clare Connolly, Catherine Borg, Ian Pavord, Mona Bafadhel
- PA3700 Particularities of Respiratory functional exploration in obese asthmatic patients**
ines laouini (nabeul, Tunisia), Haifa Zaibi, Jihen Ben Ammar, Sarra Mazaoui, Dorra Karray, Med Ali Baccar, Salwa Azzebi, Besma Dhahri, Hichem Aouina
- PA3701 Bronchial provocation test and military aptitude**
Amani Ben Mansour (Tunis, Tunisia), Salsabil Daboussi, Samira Mhamdi, Zied Moetemri, Chiraz Aichaouia, Islam Mejri, Mohsen Kadhraoui, Rzeig Cheikh
- PA3702 Longitudinal association between adiposity and wheezing and atopy at 22 years: The 1993 Pelotas Birth Cohort, Brazil.**
Paula Duarte de Oliveira (Pelotas (RS), Brazil), Ana Maria Baptista Menezes, Cauane Blumenberg, Efrain Sanchez-Angarita, Ignacio Zabert, Gloria Izabel Niño-Cruz, Janaina Calu Costa, Luiza Isnardi Cardoso Ricardo, Rafaela Costa Martins, Fernando César Wehrmeister
- PA3703 The Correlation between Asthma Control and Total Rescue Asthma Medication Purchases.**
Dekel Shlomi (Petach Tikva, Israel), Bernice Oberman, Irit Katz
- PA3704 Evolution of severe asthma during pregnancy**
Samia Rached (São Paulo (SP), Brazil), Renato Lima, Blenda Endlich, Gilmar Osmundo Junior, Rossana Francisco, Rodrigo Athanazio, Frederico Fernandes, Alberto Cukier, Rafael Stelmach, Regina Pinto

7.3J

Session 391

08:30 - 10:30

Poster discussion: Novel insights in the basic and translational research on idiopathic interstitial pneumonias

Disease(s) : **Interstitial lung diseases**

Method(s) : General respiratory patient care Physiology Cell and molecular biology

Chairs : Bruno Crestani (Paris, France), Antje Prasse (Hannover, Germany)

- PA3705 LSC - 2018 - AKT1/AKT2 mRNA Balance Is Significantly Different In IPF BAL Cells Compared To Other Fibrotic ILDs.**
Eliza Tsitoura (Heraklion (Crete), Greece), Eleni Bibaki (bibakieleni@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Eirini Vasarmidi (eirvasar@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Chara Koutoulaki (xa-ra18@gmail.com / Laboratory of Molecular and Cellular Pulmonology, Medical School, University of Crete, Heraklion), George A. Margaritopoulos (gmargaritop@yahoo.gr / Interstitial Lung Disease Unit, Royal Brompton Hospital, Imperial College, London), Konstantinos Karagiannis (k.karagiannis@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Athanasia Proklou (proklath@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Athina Trachalaki (atrachalaki@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Despoina Moraitaki (mroitaki@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Nikos Tzanakis (tzanakis@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Athol U. Wells (rbhild@rbht.nhs.uk / Interstitial Lung Disease Unit, Royal Brompton Hospital, Imperial College, London), Katerina M. Antoniou (kantoniou@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion)
- PA3706 LSC - 2018 - Azithromycin reduces aSMA and leads to vacuolar formation in lung fibroblasts**
Ronja Schliep (Hannover, Germany), Kristina Krempaska (kristina.krempaska@dbmr.unibe.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Sandra Barnowski (sandra.barnowski@dbmr.unibe.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Andrea Stokes (Andrea.Stokes@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Thomas Geiser (Thomas.Geiser@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Lars Knudsen (knudsen.lars@mh-hannover.de / Functional and Applied Anatomy Medical School Hannover, Hannover), Manuela Funke-Chambour (Manuela.Funke-Chambour@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern)

- PA3707 Mesenchymal stem cells reduce ER stress via PERK-Nrf2 pathway in aged mouse model**
EUN JOO LEE (Seoul, Republic of Korea), Nayra Cárdenes, Diana Álvarez, Jacobo Sellarés, John Sembrat, Paola Aranda, Yating Peng, Jordan Bullock, Seyed Mehdi Nouraie, Ana L Mora, Mauricio Rojas
- PA3708 Role of serum AGE/RAGEs in the differential diagnosis of pulmonary fibrosis**
Carlos Machahua (Hospitalet de Llobregat (Barcelona), Spain), Ana Montes-Worboys, Lurdes Planas-Cerezales, Raquel Buendia-Flores, Maria Molina-Molina, Vanesa Vicens-Zygmunt
- PA3709 17(R)-resolvinD1 mediates a pathway involving the transcription factor c-Fos to reduce bleomycin-induced pulmonary fibrosis in mice.**
masakiyo yatomi (maebashi, Japan), Takeshi Hisada, Yoshimasa Hachisu, Yusuke Tsukagoshi, Norimitsu Kasahara, Makiko Sato, Hiroaki Tsurumaki, Haruka Saito, Kenichiro Hara, Yasuhiko Koga, Noriaki Sunaga, Toshitaka Maeno, Kunio Dobashi
- PA3710 Promotion of pulmonary fibroblast migration by bile acid receptor through activation of TGF-β1/p-Smad3 signaling pathway**
Handong Jiang (Shanghai, China), Xueqing Liu, Fang Fang Wang
- PA3711 MUC5B is expressed by bronchoalveolar epithelia and is associated with ER stress in idiopathic pulmonary fibrosis and rheumatoid arthritis associated interstitial lung disease**
Joyce Lee (Cherry Hills Village, United States of America), Evgenia Dobrinskikh, Alani Estrella, Alex Schulick, Ivana Yang, Paul Wolters, David Schwartz
- PA3712 Peripheral oxidative burst correlates with VEGF serum levels in IPF: modulation by anti-fibrotic treatments**
Marialuisa Bocchino (Napoli (NA), Italy), Serena Zanotta, Gaetano Rea, Giorgio Emanuele Polistina, Antonietta Coppola, Domenico Galati
- PA3713 Upregulation of Retinoic Acid-Related Orphan Receptor-alpha (RORα) in IPF; a promising therapeutic target**
Eliza Tsitoura (Heraklion (Crete), Greece), Eleni Bibaki, Anastasios Koutsopoulos, Eleni Lagoudaki, Katerina Karagianni, Nikos Tzanakis, Bruno Crestani, Katerina Antoniou
- PA3714 Identification of Cell Populations with Increase Expression of Markers of Cell Senescence in Explanted IPF Lungs**
Mauricio Rojas (Pittsburgh, United States of America), Nina Morse, Tracy Tabib, John Sembrat, Kristina Buschur, Humberto Trejo, Tamara Cruz, Lan Tu, Kevin Gibson, Wei Chen, Takis Benos, Ana Mora, Robert Lafyatis
- PA3715 Effect of in vivo blockade of the KCa3.1 ion channel on type II alveolar epithelial cell turnover in pulmonary fibrosis**
K. Udari Eshani Perera (Melbourne (VIC), Australia), Louise Organ, Habtamu Biyazen Dershe, Sasika Nimanthi Dewage, Andrew Stent, Ken Snibson
- PA3716 The potential use of immunomodulatory peptides from Brazilian scorpion Tityus obscurus as pharmacological therapy for Idiopathic Pulmonary Fibrosis**
Karina Smidt Simon (Brasilia (DF), Brazil), Cesar Melo-Silva, Paulo Veloso-Junior, Verônica Amado, Florêncio Cavalcante-Neto, Anamélia Bocca
- PA3717 TIF1? has a protective role in pulmonary fibrosis**
Pierre-Marie Boutanquoi (Dijon, France), Guillaume Beltramo, Olivier Burgy, Pierre-Simon Bellaye, Lucile Dondaine, Arnaud Mailleux, Bruno Crestani, Carmen Garrido, Françoise Goirand, Philippe Bonniaud
- PA3718 The efficacy of Phoenix dactylifera L. sap for the treatment of lung injury in a murine model of pulmonary fibrosis**
Sana BAHRI (Tunis, Tunisia), Raed Abdennabi, Ridha Ben Ali, Mona Mlika, Neji Gharsallah, Khadija Ayed, Saloua Jameledine
- PA3719 Let7c and AKT1/AKT2 mRNA balance is different In IPF BAL cells compared to other fibrotic ILDs.**
Eliza Tsitoura (Heraklion (Crete), Greece), Eleni Bibaki, Eirini Vasarmidi, Athina Trachalaki, Chara Koutoulaki, George A. Margaritopoulos, Konstantinos Karagiannis, Athanasia Proklou, Despoina Moraitaki, Nikos Tzanakis, Athol U. Wells, Katerina M. Antoniou
- PA3720 The profibrotic role of downregulated Na,K-ATPase β1 subunit in alveolar epithelium cells in lung fibrosis**
Biyun Li (Beijing, China), Xiaoxi Huang, Xuefeng Xu, Wen Ning, China-Japan Friendship Hospital Dai
- PA3721 Metformin attenuates bleomycin-induced pulmonary fibrosis in mice via IGF-1 suppression**
huijuan xiao (Beijing, China), Xiaoxi Huang, Shiyao Wang, Jing Geng, Dingyuan Jiang, Huaping Dai
- PA3722 Plasma mitochondrial DNA as a biomarker of disease progression in idiopathic pulmonary fibrosis**
Hee-young Yoon (Seoul, Republic of Korea), Hak-Su Kim, Kwang Min Lee, Kwanghun Choi, Dong Soon Kim, Jin Woo Song

7.3V Session 392 08:30 - 12:00

Skills workshop: SW19 Clinical interpretation of spirometry results

Aims : To know how to interpret spirometry tests; to be able (1) to differentiate between poor technique and technical errors and abnormal spirometry by evaluating patterns in flow volume and volume time curves; and (2) to recognise abnormal from normal spirometry when interpreting curves and results tables by comparing the measured values with the reference values.

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders

Chairs : Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

08:30	Introduction Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)	3723
08:45	Recognise technically poor traces and errors of measurement Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)	3724
09:05	Common discussion	3725
09:15	Deciding on reference values and how to calculate them Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)	3726
09:40	Common discussion	3727
09:50	Break	3728
10:05	Look at F-V/V-T traces and describe the range of abnormal shapes Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)	3729
10:25	Common discussion	3730
10:35	Describe the severity of any abnormality Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Flemming Madsen (Vanløse, Denmark)	3731
11:10	Common discussion	3732
11:20	Write a spirometry report Lindsay Zurba (Durban, South Africa), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark)	3733
11:45	Common discussion	3734
11:55	Explanation on post-course assessment Felip Burgos Rincon (Barcelona, Spain)	3735

No Room Session 393 08:30 - 13:00

Game Zone: GAME ZONE - SESSION 5

	Ultrasound Rahul Bhatnagar (Bristol, United Kingdom), Michelle Andrea Espinoza Solano (Sevilla, Spain), Jayne Holme (Altrincham (Cheshire), United Kingdom)	3736
	Interventional bronchoscopy Sofia Romani (Roma (RM), Italy), Speaker to be confirmed	3737

7.3T Session 396 10:40 - 13:00

Skills workshop: SW17 Essential skills for the intensive care unit

Aims : to learn the essential skills needed for the daily work in intensive care units.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Cesare Gregoretti (Palermo, Italy)

	Introduction	3740
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Bronchoscopy - the basics Jean-Michel Vergnon (Saint-Etienne, France)	3741
Intubation - how to do it correctly Tim Frenzel (Nijmegen, Netherlands)	3742
Percutaneous tracheostomy Momen Wahidi (Durham, United States of America)	3743
How to handle haemoptysis Michael Tamm (Basel, Switzerland)	3744

7.3U Session 397 10:40 - 13:00

Skills workshop: SW14 Radiological-pathological correlations in different lung diseases for clinicians

Aims : to demonstrate and discuss the radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

Disease(s) : Airway diseases Thoracic oncology

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee

Chairs : Bogdan Dragos Grigoriu (Bruxelles, Belgium)

Introduction	3745
Lung emphysema Claus Peter Heussel (Heidelberg, Germany), Wim Timens (Groningen, Netherlands)	3746
Interstitial fibrosis Catherine Beigelman-Aubry (Lausanne, Switzerland), Aurelie Fabre (Dublin, Ireland)	3747
Lung cancer Sebastian Ley (München, Germany), Speaker to be confirmed	3748

7.3A Session 398 10:45 - 12:45

Session: Pulmonary endoscopy Interstitial lung and obstructive diseases

Aims : Interstitial lung diseases and obstructive lung diseases constitute a significant part of the workload of pulmonologists. Cryobiopsy is increasingly being used to diagnose these diseases and will be discussed. Endoscopy is a therapeutic option for patients with obstructive lung disease. The techniques that will be demonstrated in this session are the insertion of valves or coils, thermoplasty and cryobiopsy.

Disease(s) : Thoracic oncology

Tag(s) : Clinical

Chairs : Samy Lachkar (Rouen Cedex, France), Daniela Gompelmann (Heidelberg, Germany)

10:45	First procedure: emphysema and valves Ralf Eberhardt (Heidelberg, Germany)	3749
11:15	Second procedure: emphysema and coils Dirk-Jan Slebos (Groningen, Netherlands)	3750
11:45	Third procedure: asthma and thermoplasty Pascal Chanez (Marseille, France)	3751
12:15	Fourth procedure: cryobiopsy Venerino Poletti (Forli, Italy)	3752

7.3N Session 399 10:45 - 12:45

Year in review: Scientific Year in Review

Lung cancer development and response to treatment: the role of chronic lung inflammation and the microbiome

Aims : To present and discuss the role of inflammation and microbial composition in the development of lung cancer and its response to treatment.

Disease(s) : Airway diseases Thoracic oncology**Method(s)** : Cell and molecular biology**Tag(s)** : Translational**Target audience** : Clinical researcher, Pathologist, Scientist (basic, translational), Thoracic oncologist, Adult pulmonologist/Clinician**Chairs** : Silke Meiners (München, Germany), Joachim G.J.V. Aerts (Rotterdam, Netherlands)

10:45	Determinants of lung cancer evolution: immune escape and inflammation Sam Janes (London, United Kingdom)	3753
11:15	The microbiome, cancer development and response to therapy Leopoldo N. Segal (New York New York, NY, United States of America)	3754
11:45	The link between inflammation and cancer Georgios Stathopoulos (München, Germany)	3755
12:15	The link between inflammation and lung cancer: lessons from chronic obstructive pulmonary disease Esther Barreiro Portela (Barcelona, Spain)	3756

7.1A Session 400 10:45 - 12:45**Symposium: It's my favourite cell that affects your asthma****Asthma phenotyping and endotyping****Aims** : to provide an overview of how mast cells, eosinophils, neutrophils, innate lymphoid cells and airway epithelial cells contribute to the clinical manifestations of asthma. The possible mechanisms by which these cells affect smooth muscle function and bronchial hyper-responsiveness will be discussed along with the therapeutic implications of these novel insights.**Disease(s)** : Airway diseases**Method(s)** : Cell and molecular biology General respiratory patient care**Tag(s)** : Translational**Target audience** : Clinical researcher, General practitioner, Scientist (basic, translational)**Chairs** : Guy Brusselle (Ghent, Belgium), Pieter S. Hiemstra (Leiden, Netherlands)

10:45	Role of mast cells in asthma and bronchoconstriction Hans Jürgen Heinrich Hoffmann (Århus, Denmark)	3757
11:15	Role of eosinophils in asthma and bronchoconstriction Florence Schleich (Liège, Belgium)	3758
11:45	Role of neutrophils in asthma and bronchoconstriction Jodie Simpson (New Lambton, Australia)	3759
12:15	Role of innate lymphoid cells and the epithelium in asthma and bronchoconstriction Cezmi A. Akdis (Davos, Switzerland)	3760

7.1B Session 401 10:45 - 12:45**Hot topics: Recent advances in respiratory disorders with oropharyngeal dysphagia****Aims** : Swallowing disorders are common in respiratory diseases and vice versa, but these combined conditions have been largely ignored to date. To address this, the ERS and the ESSD started a collaboration during the ERS Annual Meeting in London in September 2016. This collaboration aims to promote the development of programs for all patients who have both swallowing and respiratory disorders.**Disease(s)** : Sleep and breathing disorders**Method(s)** : Physiology**Tag(s)** : Clinical**Target audience** : Clinical researcher, Critical/Intensive care physician, Physiologist, Physiotherapist, Radiologist, Trainee, Adult pulmonologist/Clinician**Chairs** : Thomas Similowski (Paris Cedex 13, France), Paolo Palange (Rome, Italy)

10:45	When swallowing disorders meet respiratory diseases: a clinical point of view Eric Verin (ROUEN, France)	3761
11:15	Dysphagia and sleep disorders: from physiology to clinical applications Anita Simonds (London, United Kingdom)	3762

11:45	Functional assessment of respiration in patients with progressive neurological diseases Andrea Aliverti (Milan, Italy)	3763
12:15	Swallowing dysfunction and aspiration pneumonia: a clinical perspective Pierre Clavé (Barcelona, Spain)	3764

7.3C Session 402 10:45 - 12:45

Symposium: Fungal infection in the intensive care unit

Aims : to deepen understanding about how to diagnose and treat bloodstream fungal infections.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : General respiratory patient care Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marcus Schultz (Amsterdam, Netherlands), Leo M.A. Heunks (Amsterdam, Netherlands)

10:45	Early diagnosis David W. Denning (Manchester (Greater Manchester), United Kingdom)	3765
11:15	Fungal infections in immunocompromised patients Élie Azoulay (Paris, France)	3766
11:45	Choosing the right antifungal agent Marc Leone (Marseille, France)	3767
12:15	The evidence regarding early antifungal treatment Andrea Cortegiani (Palermo, Italy)	3768

7.3Z1 Session 403 10:45 - 12:45

Symposium: Recent advances in primary ciliary dyskinesia

Aims : to present the general characteristics of primary ciliary dyskinesia (PCD), the recent findings regarding diagnostic tools and the international studies; and to promote further collaboration.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Bülent Taner Karadag (Istanbul, Turkey), Jane Lucas (Southampton (Hampshire), United Kingdom)

10:45	Genetics of PCD Heymut Omran (Münster, Germany)	3769
11:15	Diagnosis of PCD Eric G. Haarman (Amsterdam, Netherlands)	3770
11:45	Clinical characteristics of PCD Claudia E. Kuehni (Bern, Switzerland)	3771
12:15	Management of PCD in young people and adults Pierre-Régis Burgel (Sorbonne Paris Cité, France)	3772

7.3B Session 404 10:45 - 12:45

Oral presentation: Quality, reference values and standards

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : General respiratory patient care Physiology

Chairs : Jane Kirkby (Sheffield, United Kingdom), Maureen P. Swanney (Christchurch, New Zealand)

OA3773	Late Breaking Abstract - Do the 2012 GLI multi-ethnic reference equations show a good fit for healthy black South Africans? Sara-Jane Smith (London, United Kingdom), Diane Gray, Graham Hall, Sanja Stanojevic, Reratilwe Mphahlele, Lindsay Zurba, Refiloe Masekela
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- OA3774 Development and pilot evaluation of a quality grading system for paediatric spirometry**
Lucy Perrem (Toronto (ON), Canada), Felix Ratjen, Sharon Dell, David Wilson
-
- OA3775 Impact of shorter time interval between duplicate DLCO measurements**
Azar Kianzad (Amsterdam, Netherlands), Jan Fijn, Pieter Zanen, Ivo Van Der Lee
-
- OA3776 Hypoxic challenge testing in the UK and Australia & New Zealand**
Harry Griffin (Whitchurch, United Kingdom), Ashvin Isaac, William Noffsinger, Bhajan Singh, Helen Purcell
-
- OA3777 Spirometry reference values for Australian Aboriginal and Torres Strait Islander (Indigenous) children and young adults**
Tamara Blake (South Brisbane, Australia), Mark Chatfield, Anne Chang, Helen Petsky, Margaret Mcelrea
-
- OA3778 Evaluation of the ERS'93 reference equations of Total Lung Capacity**
Kevin De Soomer (Burcht, Belgium), Birgitte Hansen, Hilde Vaerenberg, Hilde Cuijpers, Karla Leemans, Ellie Oostveen
-
- OA3779 The impact of a new reference value set for diffusing capacity for patients with idiopathic pulmonary fibrosis.**
Monique Wapenaar - De Korver (Vlaardingen, Netherlands), J.R. Miedema, C.J. Lammering, M.S. Wijsenbeek
-
- OA3780 The impact of changing to the GLI reference equations on transfer factor results in children referred from a Haematology/Oncology service.**
Paul Burns (Glasgow (Glasgow), United Kingdom), James Paton

7.3Z2

Session 405

10:45 - 12:45

Oral presentation: Progress in rare interstitial lung diseases

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology

Chairs : Francesco Bonella (Düsseldorf, Germany), Sergio Harari (Milano (MI), Italy)

- OA3781 Genetic landscape of pulmonary langerhans cell histiocytosis**
Fanélie Jouenne (Paris, France), Gwenael Lorillon, Carine Laurent-Issartel, Aurélie Sadoux, Véronique Meignin, Cristina Leschi, Emmanuelle Bugnet, Samia Mourah, Abdellatif Tazi
-
- OA3782 Chemotherapy in patients with pulmonary Langerhans cell histiocytosis**
Elżbieta Radzikowska (Warszawa, Poland), Elzbieta Wiatr, Katarzyna Blasnska-Przerwa, Kazimierz Roszkowski-Sliz
-
- OA3783 Fatal cases of pulmonary alveolar proteinosis: a nationwide surveillance in Japan**
Yoshikazu Inoue (Osaka, Japan), Etsuro Yamaguchi, Yasuhiro Setoguchi, Toshio Ichiwata, Masahito Ebina, Kazutoshi Cho, Ryushi Tazawa, Haruyuki Ishii, Takahiko Kasai, Masanori Akira, Toru Arai, Kanji Uchida, Hiroshi Kida, Konosuke Morimoto, Masanori Kitaichi, Chikatoshi Sugimoto, Koh Nakata, Kanako Katayama, Naoko Takeuchi, Akiko Matsumuro
-
- OA3784 Characterization of the gene network driving the whole lung lavage (WLL) outcome in Pulmonary Alveolar Proteinosis (PAP).**
Ilaria Campo (Pavia (PV), Italy), Michele Zorzetto, Francesco Bonella, Francesca Mariani, Elena Paracchini, Zamir Kadija, Mario Grassi, Federica Meloni
-
- OA3785 Vascular endothelial growth factors and matrix metalloproteinases serum levels for LAM diagnosis in patients with sporadic LAM and tuberous sclerosis**
Silvia Terraneo (Arosio (CO), Italy), Fabiano Di Marco, Gianluca Imeri, Lisa Giuliani, Silvia Ancona, Paola Cetrangolo, Enzo Grasso, Stefano Centanni, Elena Lesma
-
- OA3786 A national registry for childhood interstitial and diffuse lung diseases in the United States.**
Lisa Young (Nashville, United States of America), Rebekah Nevel, Alicia Casey, Martha Fishman, Sebastian Welsh, Deborah Liptzin, James Hagood, Geoffrey Kurland, Daniel Craven, Elizabeth Fiorino, Jane Taylor, Samuel Goldfarb, Carol Conrad, Christin Kuo, Gail Deutsch, Aliva De, Michael Powers, Robin Deterding
-
- OA3787 Pulmonary interstitial Glycogenosis – a systematic analysis of new cases**
Elias Seidl (München, Germany), Julia Carlens, Simone Reu, Martin Wetzke, Julia Ley-Zaporozhan, Frank Brasch, Waldtraut Wesselak, Andrea Schams, Daniela Rauch, Luise Schuch, Matthias Kappler, Petra Schelstraete, Monika Wolf, Floria Stehling, Eric Haarmann, Dorine Borensztajn, Moniek Van De Loo, Sune Rubak, Bernd Hinrichs, Nicolaus Schwerk, Matthias Griese

7.3K

Session 406

10:45 - 12:45

Symposium: New challenges in tackling known diseases with the 10 ERS Principles for Lung Health

Aims : Respiratory diseases are among the leading causes of death and disease in the world. The five respiratory diseases that have the biggest impact are COPD, asthma, lower respiratory tract infections, tuberculosis and lung cancer. The ERS recently published its “10 Principles for Lung Health”. These Principles indicate the diverse actions that the respiratory healthcare community can take to improve lung health, thereby helping the United Nations to achieve its ambitious targets, namely, the reduction of noncommunicable diseases, the induction of sustainable development and the elimination of tuberculosis. However, these actions cannot be viewed in isolation from broader societal challenges and public health topics such as migration and climate change. The aim of this session is to present the key elements of the 10 Principles for Lung Health and to describe the new and emerging challenges, namely, migration and climate change, that may limit the achievements of these Principles.

Disease(s) : **Airway diseases** **Respiratory infections**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Allergist, Critical/Intensive care physician, Lung function technologist, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee

Chairs : Guy F Joos (Ghent, Belgium), Ildikó Horváth (Budakeszi, Hungary)

10:45	Lower respiratory infection and antimicrobial resistance Tobias Welte (Hannover, Germany)	3788
11:15	COPD and asthma: the main noncommunicable diseases that should be tackled? Antonio Spanevello (Milan, Italy)	3789
11:45	Respiratory health in migrant and refugee populations Juan Celedon (Pittsburgh, United States of America)	3790
12:15	Environment, health and climate change: what respiratory professionals need to know Isabella Annesi Maesano (Paris, France)	3791

7.3Q Session 407 10:45 - 12:45

Oral presentation: Imaging biomarkers and quantitative imaging

Disease(s) : **Airway diseases** **Pulmonary vascular diseases**

Method(s) : Physiology Imaging

Chairs : Aleksandar Grgic (Homburg, Germany), Johan Coolen (Leuven, Belgium)

OA3792	Late Breaking Abstract - Value of planar V/Q scan and V/Q SPECT in diagnosing chronic thromboembolic pulmonary hypertension: head to head comparison with pulmonary angiography Lei Wang (Shanghai, China), Meng Wang, Rongzheng Ma, Dayong Wu, Wei Fang
OA3793	Airway tapering in bronchiectatic and healthy airways Kin Quan (London, United Kingdom), Joseph Jacob, Rebecca J. Shipley, David J. Hawkes, John R. Hurst
OA3794	Association of airways visibility on computed tomography with symptoms and lung function in COPD Naoya Tanabe (Kyoto, Japan), Susumu Sato, Shigeo Muro, Tsuyoshi Oguma, Atsuyasu Sato, Toyohiro Hirai
OA3795	Using DPM CT analysis to assess the contribution of small airways disease in COPD Kristoffer Ostridge (Southampton (Hampshire), United Kingdom), Kerry Gove, Miranda Kirby, Sam Peterson, Steven Mceleney, Chris McCrae, Outi Vaarala, Karl Staples, Tom Wilkinson
OA3796	Quantitative computed tomography imaging in asthma and chronic obstructive pulmonary disease. Andrzej Obojski (Wrocław, Poland), Mateusz Patyk, Martyna Parkitna-Patyk, Dąbrowka Sokołowska-Dąbek, Urszula Zaleska-Dorobisz
OA3797	PRM metrics predict COPD progression Paula Belloni (Half Moon Bay, United States of America), Dorothy Cheung, Xiaoying Yang, Alex De Crespigny, Alexandre Coimbra
OA3798	Regional detection of edema following segmental LPS challenge using functional MR imaging Jens Vogel-Claussen (Hannover, Germany), Julius Renne, Heike Biller, Marcel Gutberlet, Christoph Czerner, Marilisa Schiweck, Kathrin Hohl, Frank Risse, Maria Sarno, Abhya Gupta, Jens Hohlfeld
OA3799	Assessing regional lung ventilation with 19F-MRI of inhaled perfluoropropane Benjamin Pippard (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Mary Neal, Adam Maunder, Ian Forrest, Ian Sabroe, Rod Lawson, A John Simpson, Jim Wild, Pete Thelwall

7.3M Session 408 10:45 - 12:45

Oral presentation: Pulmonary embolism: long-term sequelae and advances in therapies

Disease(s) : Pulmonary vascular diseases**Method(s) :** Epidemiology Imaging Respiratory intensive care General respiratory patient care**Chairs :** Carlos Andres Quezada Loaiza (Las Rozas (Madrid), Spain), Francis Couturaud (Brest, France)

OA3800 Variants of genes related to cardiovascular disease in patients with pulmonary thromboembolism
Ayse Gul Zamani (Konya, Turkey), Adil Zamani, Celalettin Korkmaz, Sebnem Yosunkaya, Mahmut Selman Yildirim

OA3801 Percutaneous catheter-directed thrombectomy in patients with severe pulmonary embolism
Costantino Del Giudice (Paris, France), Nadia Aissaoui, Arthur Neuschwander, Anne Roche, Benjamin Planquette, Paul Achouh, Guy Meyer, Marc Sapoval, Olivier Sanchez

OA3802 Tomographic features associated with excessive ventilatory responses during exercise in chronic pulmonary thromboembolic hypertension
Andrei Augusto Assis de Campos Cordeiro (São Paulo (SP), Brazil), Pulcheri Roberta, Camila Loureiro, Eloara Ferreira, Angelo Cepeda, Carolina Messina, Rudolf Oliveira, Verrastro Carlos, Luiz Eduardo Nery, Jaquelina Ota-Arakaki

OA3803 Pulmonary manifestations of antiphospholipid syndrome: A retrospective analysis of 67 patients
Sevinc Sarinc Ulasli (Ankara, Turkey), Sevinc Sarinc Ulasli, Deniz Köksal, Oguz Karcioglu, Berkan Armagan, Alper Sari, Elif Babaoglu, Ali Akdogan, Sule Apras Bilgen

OA3804 Frequency of chronic thromboembolic pulmonary hypertension screening after pulmonary embolism in cancer patients.
Laurent Bertoletti (Saint Etienne Cedex, France), Judith Catella-Chatron, Adel Merah, Elodie De Magalhaes, Nathalie Moulin, Sandrine Accassat, Cécile Duvillard, Patrick Mismetti

OA3805 Persistent exercise limitation after successful pulmonary endarterectomy: frequency and determinants
Angelo Guido Corsico (Pavia (PV), Italy), Rita Di Domenica, Andrea Maria D'Armini, Valentina Conio, Amelia Grosso, Erica Gini, Federica Albicini, Maurizio Pin, Antonio Sciortino, Stefano Ghio, Catherine Klersy, Isa Cerveri

OA3806 Pulmonary vascular disease(PC) and risk of mortality in patients with idiopathic pulmonary fibrosis(IPF)
Elena Rodriguez Jimeno (Madrid, Spain), Fernando Pedraza Serrano, Alicia Oliva Ramos, Gema Sánchez Muñoz, Virginia Gallo González, Rodrigo Jiménez García, Ana López De Andrés, Valentín Hernández Barrera, Luis Puente Maestu, Javier De Miguel Díez

7.30 Session 409 10:45 - 12:45

Oral presentation: Novel findings in biomarkers of tobacco use, exposure, hazards and genetics

Disease(s) : Respiratory infections Airway diseases Respiratory infections**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology Public health**Chairs :** Elif Dagli (Istanbul, Turkey), Charlotta Pisinger (Glostrup, Denmark)

OA3807 Late Breaking Abstract - Update the evidence about thirdhand smoke: a systematic review.
Ana Díez (barcelona, Spain), Ana Díez, Pia Cassanello, Cristina Lidón, Núria Matilla, Albert Balaguer, Jose M Martínez

OA3808 Tobacco consumption, systemic inflammation, and airflow limitation: a Mendelian randomization analysis of 98085 individuals
Shoaib Afzal (Herlev, Denmark), Yunus Çolak, Peter Lange, Børge G. Nordestgaard

OA3809 Smoking causes early biological aging: a deep neural network analysis of common blood test results
Neil Skjold (Lethbridge (AB), Canada), Polina Mamoshina, Kirilli Kochetov, Franco Cortese, Anna Kovalchuk, Alex Aliper, E Putin, Morten Scheibye-Knudsen, Charles R Cantor, Alex Zhavoronkov, Olga Kovalchuk

OA3810 PLASMA/SALIVA AND GENOTYPIC/PHENOTYPIC DIFFERENCES OF NICOTINE METABOLITE RATIO.
Gianfranco Puppo (Pisa (PI), Italy), Francesco Pistelli, Stefano Fogli, Marzia Del Re, Marco Lazzarotti, Ferruccio Aquilini, Romano Danesi, Laura Carrozzini, Antonio Palla

OA3811 Assessment of the effect of exposure to environmental tobacco smoke on hair heavy metal levels in children
Fatma Nazan Çobanoğlu (Ankara, Turkey), Fatih Gunay, Nisa Eda Cullas Ilarslan, Filiz Bakar, Kiyemet Deniz, Yusuf Kagan Kadioglu, Sibel Kiran, Nazan Cobanoğlu

OA3812 Cigarette smoking acutely decreases the serum levels of the COPD biomarker sRAGE
Simon D. Pouwels (Groningen, Netherlands), Frank Klont, Marcel D. Kwiatkowski, Valerie R. Wiersma, Péter Horvatovich, Rainer Bischoff, Nick H.T. Ten Hacken

OA3813 The associations between an IL-2 gene polymorphism and smoking in patients with recurrent pulmonary tuberculosis (RTB)
Dmytro Butov (Kharkiv, Ukraine), Mihailo Kuzhko, Tatiana Butova

- OA3814 Identification of smokingstatus from routine blood test results using deep neural network analysis.**
Neil Skjodt (Lethbridge (AB), Canada), Polina Mamoshina, Kirill Kochetov, Franco Cortese, Anna Kovalchuk, Alex Aliper, E Putin, Morten Scheibye-Knudsen, Charles R. Cantor, Alex Zavoronkov, Olga Kovalchuk

7.3P Session 410 10:45 - 12:45

Oral presentation: CTD-ILD and hypersensitivity pneumonitis: risk stratification and management

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care

Chairs : Elisabetta Renzoni (London, United Kingdom), Julie Morisset (Montréal (QC), Canada)

- OA3815 Late Breaking Abstract - Clinical utility of basophil activating test (BAT) in subjects with drug-induced lung disease.**
Shintaro Suzuki (Tokyo, Japan), Tetsuya Homma, Shin Ohta, Kyoko Fujiwara, Yoshito Miyata, Yasunari Kishino, Akihiko Tanaka, Tsukasa Ohnishi, Hironori Sagara

- OA3816 A prognostic staging system for rheumatoid arthritis-associated interstitial lung disease**
Jin Woo Song (Seoul, Republic of Korea), Hocheol Kim, Minkyu Han, Jacob Joseph, Gary Cross, Joseph Barnett, Dong Soon Kim

- OA3817 Prognostic impact of bronchoalveolar lavage lymphocytosis in patients with chronic Hypersensitivity Pneumonitis**
Julia Wälscher (Heidelberg, Germany), Benjamin Gross, Jacques Bruhwylter, Julie Morisset, Claus Peter Heussel, Felix Lasitschka, Felix Herth, Michael Kreuter

- OA3818 Lung involvement and clinical characteristics in anti-MDA5 positive connective tissue diseases**
Federica Meloni (Pavia (PV), Italy), Jose M Cifrian, Alberto Pesci, Ricardo Coelho, Mayra Mejia, Francesco Bonella, Julie Perrin, Paolo Ceruti, Raquel García-Sevila, Elena Bargagli, Sandrine Hirschi, Veronica Codullo, Lorenzo Cavagna

- OA3819 Genetic variant in MMP2 increases the risk to develop autoantibodies in patients with Hypersensitivity Pneumonitis**
Ivette Buendia Roldán (México D.F, Mexico), Luis Santiago Ruiz, Gloria Perez Rubio, Mayra Mejia, Martha Montaña, Ramces Falfan Valencia

- OA3820 Cystic lesion in myeloperoxidase anti-neutrophil cytoplasmic antibody (MPO-ANCA)- positive interstitial pneumonia: radiological and pathological analysis**
Erina Tabata (Kanagawa, Japan), Tamiko Takemura, Tomohisa Baba, Eri Hagiwara, Hiroaki Nakagawa, Takuma Katano, Goshi Matama, Naoto Aiko, Kohsuke Isomoto, Ryota Ohtoshi, Ryota Shintani, Shinko Sadoyama, Satoshi Ikeda, Hideaki Yamakawa, Takashi Niwa, Tsuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Shigeru Komatsu, Tae Iwasawa, Takashi Ogura

- OA3821 The effect of Rituximab treatment on progression of Rheumatoid arthritis-associated interstitial lung disease**
Sukhmani Sra (London, United Kingdom), Katherine Myall, Boris Lams, Sangita Agarwal, Alex West

- OA3822 Safety of benzodiazepines and opioids in interstitial lung disease: national prospective study**
Sabrina Bajwah (London, United Kingdom), Joanna Davies, Hanan Tanash, David Currow, Magnus Ekstrom

7.3L Session 411 10:45 - 12:45

Poster discussion: Telehealth, home rehabilitation and specific adaptations to exercise interventions in different settings

Disease(s) : [Sleep and breathing disorders](#) [Airway diseases](#) [Thoracic oncology](#) [Respiratory infections](#) [Interstitial lung diseases](#) [Respiratory critical care](#) [Respiratory infections](#)

Method(s) : Transplantation Physiology Respiratory intensive care General respiratory patient care

Chairs : Christian Osadnik (Melbourne, Australia), Maria Koulopoulou (London, United Kingdom)

- PA3823 Late Breaking Abstract - Fatigue is highly prevalent in patients with COPD and correlates poorly with the airflow limitation**
Yvonne Goërtz (Horn, Netherlands), Martijn Spruit, Alex Van 'T Hul, Jeannette Peters, Maarten Van Herck, Nienke Nakken, Remco Djamin, Chris Burtin, Melissa Thong, Arnold Coors, Yvonne Meertens-Kerris, Emiel Wouters, Judith Prins, Frits Franssen, Jean Muris, Lowie Vanfleteren, Mirjam Sprangers, Daisy Janssen, Jan Vercoulen

- PA3824 Patient experiences of home-based rehabilitation during treatment for inoperable lung cancer.**
Lara Edbrooke (Melbourne (VIC), Australia), Linda Denehy, Catherine Granger, Suzanne Kapp, Sanchia Aranda

- PA3825 Can exercise capacity be improved after home exercise in COPD patients?**
Silvia Regina Valderramas (Curitiba (PR), Brazil), Demetria Kovelis, Camila Mazzarin, Samia Kalil Biazim, Anna Raquel Silveira Gomes

- PA3826 Barriers and enablers of COPD telerehabilitation: a qualitative study taking a frontline staff perspective**
Christina Damhus (Copenhagen V, Denmark), Christina Emme, Henrik Hansen

- PA3827** **How does a physiotherapy-led remote monitoring service for home mechanical ventilation impact upon patient experience?**
Denise Gibson (Southampton (Hampshire), United Kingdom)
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- PA3828** **Longitudinal, home-based study of lung function, saturation and disease-related symptoms in COPD**
Karin Wadell (Umeå, Sweden), Urban Wiklund, Fredrik Öhberg, Eva Bergmann, Åsa Holmner, Anders Blomberg
-
- PA3829** **Impact of single-limb (SL) versus two-limb (TL) low load/high-repetition resistance training (LLHR-RT) on clinical outcomes in people with COPD – a randomized controlled trial.**
Andre Nyberg (Umeå, Sweden), Didier Saey, Mickaël Martin, François Maltias
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- PA3830** **Impact of partitioning exercises on quadriceps muscle endurance and muscle fiber-type distribution following low-load/high-repetition resistance training (LLHR-RT) in people with advanced COPD.**
Didier Saey (Québec (QC), Canada), Andre Nyberg, Didier Saey, François Maltias
-
- PA3831** **Interval versus continuous cycling in advanced interstitial lung disease**
Lisa Wickerson (Toronto (ON), Canada), Dina Brooks, John Granton, Lianne Singer, Dmitry Rozenberg, Darlene Reid, Sunita Mathur
-
- PA3832** **Comparison of continuous flow versus demand oxygen delivery systems in COPD patients: a systematic review and meta-analysis**
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Christian Osadnik, Lisa Bies, Daniela Leitl, Rembert Koczulla, Klaus Kenn
-
- PA3833** **Effects of high-intensity exercise training: what about the asthma-COPD overlap syndrome?**
Antenor Rodrigues (Londrina (PR), Brazil), Felipe Vilaça Cavalari Machado, Leticia Belo, Lorena Paltain Schneider, Juliana Fonseca, Thamyres Spositon, Fernando Caleffi, Andrea Morita, Igor Lopes Brito, Ana Carolina Andreello, Thais Paes, Carlos Augusto Camillo, Nidia Aparecida Hernandez, Fabio Pitta
-
- PA3834** **Design of pulmonary rehabilitation during acute exacerbations of COPD**
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Ana Filipa Marques Rego Machado, Pedro Matos Silva
-
- PA3835** **Community-based pulmonary rehabilitation during acute exacerbations of COPD**
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Ana Machado, Ana Oliveira, Carla Valente, Chris Burtin
-
- PA3836** **Efficacy of a comprehensive education program including inhaler training and COPD management during hospitalization of AECOPD, a randomized controlled clinical**
Irene Torres Sanchez (Santa Fe, Spain), Maria Granados-Santiago, Laura López-López, María Del Mar Lucena-Aguilera, Ramón Romero-Fernández, Marie Carmen Valenza
-
- PA3837** **Enhancing the understanding of the time course of AECOPD.**
Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal), Vera Afreixo, Carla Valente, LíLia Andrade, Alda Marques, New Haven, CT , USA ,New Haven), Nikolaos Xylourgidis (nikosxylourgidis@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT,USA ,New Haven), Guoying Yu (guoyingyu@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT,USA ,New Haven), Jose D. Herazo-Maya (joseherazomaya@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT,USA ,New Haven), Leonard Bizenhofer (leonardbizenhofer@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT,USA ,New Haven), Anton Bennett (bennett@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT,USA ,New Haven), Naftali Kaminski (naftalikaminski@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT,USA ,New Haven)
-
- PA3838** **Acute exacerbation in COPD and relationship between cardiovascular risk and functional profile**
Alessandro Heubel (Bauru, Brazil), Erika Kabbach, Jéssica Barbosa, Aline Agnoletto, Nathalia Dias, Audrey Borghi-Silva, Meliza Roscani, Renata Mendes
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- PA3839** **Comparing the effects of pulmonary rehabilitation in patients with uncontrolled and partially controlled asthma**
Ilknur Naz (Izmir, Turkey), Hulya Sahin
-
- PA3840** **The effect of pulmonary rehabilitation on health-related quality of life in patients with pulmonary sarcoidosis**
Katerina Neumannova (Olomouc, Czech Republic), Monika Žurkova, Jakub Zatloukal, Vladimira Lostakova, Lia Hubackova, Vitezslav Kolek

Terminal 7

Session 412

10:45 - 12:45

Oral presentation: General thoracic surgery

Disease(s) : Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology Surgery

Chairs : Gagatay Tezel (Istanbul, Turkey), Laureano Molins Lopez-Rodo (Barcelona, Spain)

- OA3841** **Late Breaking Abstract - Pre-operative Non Invasive Ventilation (NIV) does not decrease post-operative complication rate after carcinologic lung surgery : the preOVNI GFPC 12-01 randomized controlled study.**
Nicolas Paleiron (Plouzane, France), Frédéric Grassin, Christophe Lancelin, Cécile Tromeur, Jacques Margery, Henri Berard, Antoine Cuvelier, Thomas Egenod, Christos Chouaid, Frédéric Gagnadoux, Nicolas Venissac, Christine Donzel-Raynaud, Mallorie Kerjouan, Lionel Falchero, Jacques Le Treut, Olivier Tiffet, Isabelle Pichon, Angelina Dion, Francis Couturaut
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- OA3842** **Tumor marker assessment in cytologically negative pleural effusions from lung cancer by Machine Learning-based approach**
Stefano Elia (Roma (RM), Italy), Gianni D'Angelo, Alessandro De Stefano, Renato Massoud, Roberto Sorge, Claudio Cortese
-
- OA3843** **Is there still a diagnostic indication for surgical lung biopsy in Interstitial Lung Diseases? A Comparative study between Cryobiopsy and Surgical Biopsy on 677 patients.**
Stefano Sanna (forli, Italy), Claudia Ravaglia, Marta Mengozzi, Desideria Argnani, Anna Mariantonia Parisi, Sara Tomassetti, Jury Brandolini, Venerino Poletti, Maurizio Salvi
-
- OA3844** **Relationship between emphysematous lung volume and pulmonary function changes for lobectomized patients.**
Masanori Yokoba (Sagamihara (Kanagawa prefecture), Japan), Tsuyoshi Ichikawa, Shinya Harada, Tomoya Fukui, Satoshi Igawa, Hisashi Mitsufuji, Jiichiro Sasaki, Masaru Kubota, Katsuhiko Naoki, Yukitoshi Sato, Masato Katagiri
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- OA3845** **Systematic Review and Meta-Analysis of Endoscopic Lung Volume Reduction Using Endobronchial Valves in Severe Emphysema: Are They Better?**
Luca Bertolaccini (Bologna (BO), Italy), Fabrizio Minervini, Piergiorgio Solli, Benedetta Bedetti, Alberto Pesci, Roberto Crisci, Marco Scarci
-
- OA3846** **Connection in between the parameters of pulmonary rehabilitation and complication rate in thoracic surgery**
Attila Vagvolgyi (Budakeszi, Hungary), Zsolt Rozgonyi, Maria Kerti, Zsuzsanna Balogh, Csaba Feher, Miklos Molnar, Paul Vadasz, Janos Tamas Varga
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- OA3847** **Multicentre Validation of a Prediction Score of Prolonged Air Leak for VATS Lobectomies**
Luca Bertolaccini (Bologna (BO), Italy), Benedetta Bedetti, Davide Patrini, Yaron Shargall, Piergiorgio Solli, Emanuele Pironcini, Roberto Crisci, Marco Scarci
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- OA3848** **Uniportal Videothoroscopic Surgery on awake patients**
Kalliopi Athanassiadi (Athens, Greece), Ioannis Alevizakis, Ioanna Sigala, Niki Gianniou, Afroditi Antoniou, Dimitrios Magouliotis, Ioannis Kalomenidis, Spiros Zakynthinos

7.2A Session 413 10:45 - 12:45

Poster discussion: How far are we in terms of predicting mortality and exacerbations in COPD?

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Respiratory intensive care Physiology Epidemiology Public health General respiratory patient care

Chairs : Alexander Mathioudakis (Manchester, United Kingdom), Müge Meltem Tor (Istanbul, Turkey)

- PA3849** **Late Breaking Abstract - Detection of clinical instability by eNose in COPD patients**
Job J.M.H. van Bragt (Amsterdam, Netherlands), Rianne De Vries, Yennece W.F. Dagelet, Susanne J.H. Vijverberg, Sigrid Kester, Johannes C.C.M. In 'T Veen, Eric G. Haarman, Annelies Lucas, Frans H.C. De Jongh, Peter J. Sterk, Anke H. Maitland-Van Der Zee
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- PA3850** **Short Physical Performance Battery and long term prognosis following severe acute exacerbation of COPD: a prospective cohort study**
Ruth Barker (Aylesbury (Buckinghamshire), United Kingdom), Samantha S C Kon, Sarah E Jones, Matthew Maddocks, Wei Gao, Claire M Nolan, Suhani Patel, Hoi Yee Kwan, Stuart F Clarke, Michael I Polkey, Paul Cullinan, William D-C Man
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- PA3851** **Prognosis of COPD patients admitted to the ICU in middle income countries**
Ivan Kopitovic (Novi Sad, Republic of Serbia), Marija Vukoja, Moldovan Sabo, Zhigang Chang, Yimin Li, Harpreet Singh, Ozlem Cakin, Srdjan Gavrilovic, Ana Andrijevic, Manuel Hache, Rahul Kashyap, Yue Dong, Ognjen Gajic
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- PA3852** **Predictive value of CD14 and CD31 microparticles for the survival of COPD during 7 years**
István Ruzsics (Pécs, Hungary), Margit Tőkés-Füzesi, Marianna Matancic, Veronika Sárosi, Gábor Woth, Tihamér Molnár

PA3853	Cluster phenotyping as an approach to identify COPD patients at risk of poor prognosis. Kristian Brat (Brno, Czech Republic), Marek Plutinsky, Vladimir Koblizek, Jaromir Zatloukal, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Dmitry Rakita, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Pavlina Musilova, Milada Sipkova, Eva Kocova, Barbora Novotna, Ondrej Kudela, Michal Kopecky, Katerina Neumannova, Michal Svoboda, Jiri Jarkovsky, Zuzana Zbozinkova, Jan Svancara, Jaroslav Lnenicka, Vladimir Rihak
PA3854	Predicting hospital readmissions in severe COPD patients using an electronic-nose. Ana Rodrigo Troyano (Barcelona, Spain), Jordi Giner, Diego Sousa, Jose Luis Merino, Ana Alonso, Anna Feliu, Vicente Plaza, Borja Garcia-Cosio, Alver Agustí, Oriol Sibila
PA3855	Vitamin-D deficiency & anaemia in patients with acute exacerbations of COPD (AECOPD); morbidity & mortality. Niamh Cafferky (Sunderland, United Kingdom), Hussun-Ara Shah, Stephen Murphy
PA3856	Neural respiratory drive (NRD) to predict long term mortality after an acute exacerbation of COPD (AECOPD) Maxime Patout (Mont-Saint Aignan, France), Leonor Meira, Rebecca D'Cruz, Georgios Kaltsakas, Gill Arbane, Eui-Sik Suh, Nicholas Hart, Patrick Brian Murphy
PA3857	Elevated circulating MMP-9 is associated with increased exacerbation risk in COPD: results from SPIROMICS and COPDGene James Michael Wells (Vestavia Hills, United States of America), Margaret M. Parker, Robert A. Oster, Russell P. Bowler, Mark T. Dransfield, Surya P. Bhatt, Michael H. Cho, Victor Kim, Jeffrey L. Curtis, Fernando J. Martinez, Robert Paine, Wanda O'Neal, Wassim W. Labaki, Robert J. Kaner, Igor Barjaktarevic, Meilan K. Han, Edwin K. Silverman, James D. Crapo, R. Graham Barr, Prescott Woodruff, Peter J. Castaldi, Amit Gaggar
PA3858	Implementation of the GOLD 2017 disease classification in a real-life COPD cohort Marek Plutinsky (Brno, Czech Republic), Kristian Brat, Vladimir Koblizek, Patrice Popelkova, Jaromir Zatloukal, Tomas Dvorak, Barbora Novotna, Petr Vanik, Pavlina Musilova, Petr Safranek, Lucie Heribanova, Vladimir Rihak, Milada Sipkova, Dmitry Rakita, Eva Kocova, Katerina Neumannova, Michal Kopecky, Ondrej Kudela, Michal Svoboda, Jan Svancara, Zuzana Zbozinkova, Jaroslav Lnenicka
PA3859	A service evaluation of the accuracy of the Gold Standard Framework Proactive Indicator Guidance (GSF PIG) in predicting 12 month mortality in patients with a diagnosis of Chronic Obstructive Pulmonary Disease (COPD). (), Dennis Wat, Sarah Sibley, Julie Crane
PA3860	Phenotype-based therapy of COPD: Effect on the rate of COPD exacerbations Jaromir Zatloukal (Olomouc, Czech Republic), Eva Volakova, Vladimir Koblizek, Michal Svoboda, Patrice Popelkova, Marek Plutinsky, Kristian Brat, Barbora Novotna, Petr Safranek, Tomas Dvorak, Dmitry Rakita, Milada Sipkova, Rastislav Simek, Eva Kocova, Michal Kopecky, Lucie Heribanova, Pavlina Musilova, Blanka Snelerova, Zuzana Liptakova, Katerina Neumannova, Zuzana Zbozinkova
PA3861	GOLD 2017 versus GOLD 2011 - comparison of the risk of exacerbations and mortality in COPD patients Iliya Krachunov (Pleven, Bulgaria), Nikolay Kyuchukov, Zlatina Ivanova, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov
PA3862	Impact of stable state symptoms on the future burden of COPD exacerbations Konstantinos Kostikas (Basel, Switzerland), Alexander Mackay, Stefan-Marian Frent, Pascal Pfister, Pankaj Goyal, Pritam Gupta, Donald Banerji, Francesco Patalano, Jadwiga A. Wedzicha
PA3863	COPD exacerbation phenotypes in a five year hospitalisation cohort Simon Brill (London, United Kingdom), Timothy Jones, Jan Brown, John Hurst, Rama Vancheeswaran
PA3864	Association between bacterial load and inflammatory gene expression in COPD exacerbations Hannah O'Farrell (Chermside, Australia), Janet Shaw, Rayleen Bowman, Kwun Fong, Ian Yang
PA3865	Impact of moderate and severe exacerbations in severe COPD patients Necdet B Gunsoy (London, United Kingdom), Katie Pascoe, Yumi Asukai, Claire Gait, Dmitry Galkin
PA3866	VALIDATION OF AN ASSESSMENT TOOL FOR CONTROL IN COPD: ANALYSIS OF CLINICAL VARIABLES. Pablo Catalan Serra (Valencia, Spain), Bernardino Alcázar, Marc Miravittles, Maribel Marzo, Juan José Soler-Cataluña

7.2B Session 414 10:45 - 12:45

Poster discussion: Current practices in and attitudes to screening for tuberculosis, and a discussion about genetic diversity

Disease(s) : Respiratory infections Respiratory infections

Method(s) : Cell and molecular biology Imaging Epidemiology Public health General respiratory patient care

Chairs : Daniela Maria Cirillo (Milano (MI), Italy), Alan Altraja (Tartu, Estonia)

PA3867	From policy to practice in Europe: a TBNET survey on the delivery of LTBI screening and treatment amongst migrants Matthew Burman (London, United Kingdom), Ananna Rahman, Graham Bothamley, Christophe Lange, Heinke Kunst
PA3868	Cost-Effectiveness of Tuberculosis Screening for Migrant Children in Low-Incidence countries Jakob Usemann (Basel, Switzerland), Markus Ledergerber, Günther Fink, Nicole Ritz
PA3869	Preventing the spread of TB among trans-Mediterranean migrants: the role of therapeutic education Alessandro Etrusco Mastinu (Asti (AT), Italy), Tiziana Stobbione, Rudina Lika
PA3870	Increasing foreign born tuberculosis cases in Turkey and their detailed analysis with 2016 data. Suha Özkan (Ankara, Turkey), Erhan Kabasakal, Ayşegül Yıldırım, Funda Baykal, Zeki Kılıçaslan, Şeref Özkara
PA3871	Risk factors for tuberculosis in patients with history of incarceration Soumaya Ben Saad (Ariana, Tunisia), Nourelhouda Mbarek, Ines Mejri, Fatma Tritar
PA3872	Treatment of latent tuberculosis infection among healthcare workers at a tertiary hospital in Korea Eun Hye Lee (Seoul, Republic of Korea), Ji Eun Park, Mi Hwa Shin, Sang Hoon Lee, Ah Young Leem, Song Yee Kim, Ji Ye Jung, Moo Suk Park, Young Sam Kim, Joon Chang, Young Ae Kang
PA3873	Stigma towards tuberculosis patients amongst healthcare workers: Assessing a survey study Mehmet Sinan Bodur (Diyarbakir, Turkey), Mahsuk Taylan, Haluk Calisir
PA3874	The risk factors of latent tuberculosis infection among health care workers in South Korea, an intermediate tuberculosis burden country Jae Seuk Park (Cheonan, Republic of Korea), Gu Hyun Hong, Doh Hyung Kim, Kim Donati (kim.donati@uliege.be / ULiège,Liège), Catherine Gerard (catherine.gerard@uliege.be / ULiège,Liège), Bernard Duysinx (bduysinx@chu.ulg.ac.be / CHU,Liège), Agnes Noel (agnes.noel@ulg.ac.be / ULiège,Liège), Didier Cataldo (didier.cataldo@uliege.be / ULiège/CHU,Liège)
PA3875	The knowledge and attitudes of hospital staff about tuberculosis Serap Argun Baris (Kocaeli, Turkey), Ersin Alkilinc, Elif Karasal, Hasim Boyaci, Ilknur Basyigit
PA3876	Occupational tuberculosis screening for healthcare workers in a UK centre Mimi Li (Stockton-on-Tees (Cleveland), United Kingdom), Mark Schwec, Nigel Clerk, George Antunes
PA3877	Effectiveness of X-ray tuberculosis screening in countries with a high burden of tuberculosis Denis Karostik (Saint-Petersburg, Russian Federation), Irina Kamyshanskaya, Alexander Vodovotov
PA3878	Cost-effectiveness of two latent tuberculosis infection screening strategies Raquel Duarte (Porto, Portugal), Ana Sofia Sousa, Ana Isabel Ribeiro, Álvaro Almeida, Ana Maria Correia, Carlos Carvalho
PA3879	Genetic diversity of M. tuberculosis isolates from patients with drug-resistant TB in Japan Nobuyuki Kobayashi (Kiyose (Tokyo), Japan), Fuminori Mizukoshi, Tohru Miyoshi-Akiyama, Fumiko Kirikae, Akiko Ichinose, Keiji Funatogawa, Teruo Kirikae, Ken Ohta
PA3880	Study of molecular-genetic mutations of tuberculosis mycobacteria in patients with pulmonary TB in Azerbaijan Irada Akhundova (Baku, Azerbaijan), Agigat Kadirova, Rafig Abuzarov, Nuriya Salimova, Gulzar Aliyeva, Mehriban Seyfeddinova
PA3881	Drug resistance profile of Mycobacterium tuberculosis isolated in Da Nang, Vietnam Nguyen Thi Le Hang (Hà Nội, Vietnam), Minako Hijikata, Naoto Keicho, Shinji Maeda, Le Duc, Nguyen Diem, Nguyen Yen, Ikumi Matsushita, Seiya Kato
PA3882	Genetic characteristics of M.tuberculosis strains circulating in Belarus Natalia Yatskevich (Minsk, Belarus), Henadz Hurevich, Alena Skrahina, Alena Nikolenka, Aksana Zalutskaya, Valiantsina Lobik, Hanna Ramaneika, Tatsiana Bushma
PA3883	Molecular-genetic characteristic of Mycobacterium tuberculosis isolated from people living in closed administrative-territorial formation in Ural region, Russia Diana Vakhrusheva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Umpeleva, Natalya Eremeeva, Ludmila Golubeva, Ksenya Belousova
PA3884	Universal genotyping of Mycobacterium tuberculosis (MTb) in Singapore, 2011-2017 Yee Tang Wang (Singapore, Singapore), Leo K Y Lim, Li Yang Hsu, Li-Hwei Sng, Vernon J M Lee, Cynthia B E Chee

7.2C **Session 415** 10:45 - 12:45

Poster discussion: New insights in testing lung and respiratory muscle functions

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology

Method(s) : Physiology Imaging

Chairs : Pierantonio Laveneziana (Paris Cedex 13, France), Marieke L. Duiverman (Groningen, Netherlands)

- PA3885** **The use of functional respiratory imaging to investigate the impact of an oscillating positive expiratory pressure device on lung dynamics and drug deposition**
Jason Suggett (London (ON), Canada), Vlad Kushnarev, Glenn Leemans, Cedric Van Holsbeke, Dennis Belmans, Jan De Backer
-
- PA3886** **The positive and negative predictive values of an oscillometry upper limit of normal amongst the CanCOLD Cohort**
Ronald Dandurand (Beaconsfield (QC), Canada), Pei Zhi Li, Palmina Mancino, Jean Bourbeau
-
- PA3887** **Oscillometry from the CanCOLD Cohort: correlation with spirometry and patient reported outcomes**
Ronald Dandurand (Beaconsfield (QC), Canada), Pei Zhi Li, Palmina Mancino, Jean Bourbeau
-
- PA3888** **Early experience of oxygen enhanced magnetic resonance imaging (OE-MRI) in ataxia telangiectasia (A-T)**
Andrew Prayle (Nottingham (Nottinghamshire), United Kingdom), Marta Tibiletti, Caroline Youle, Shahideh Safavi, Saleh Alenazi, Jan Alappadan Paul, Andrew Cooper, Brett Haywood, Michael Barlow, Rob Dineen, Matthew Hurley, Geoff J M Parker, Andrew Bush, Ian Hall, Jayesh Bhatt
-
- PA3889** **Measuring lung inhomogeneity in asthma using a novel non-invasive technique**
Nayia Petousi (Oxford (Oxfordshire), United Kingdom), Nicholas Smith, Nick Talbot, Grant Ritchie, Ian Pavord, Peter Robbins
-
- PA3890** **Suppression of thoracic movements with intrapulmonary percussive ventilation in healthy subjects**
Gregory Reyckler (Bruxelles, Belgium), Nicolas Audag, Geneviève Van Ooteghem, Aurora Carrasco, Xavier Geets, Giuseppe Liistro
-
- PA3891** **Further evidence of a sexual dimorphism in central airway size of adult non-smokers**
Troy Cross (Rochester, United States of America), Steven Chase, Courtney Wheatley, Robert Wentz, Bruce Johnson
-
- PA3892** **Changes in diaphragm stiffness assessed with ultrasound shear wave elastography reflect changes in transdiaphragmatic pressure**
Damien Bachasson (Paris, France), Martin Dres, Marie-Cécile Nierat, Jonne Doorduyn, Jean-Luc Gennisson, Jean-Yves Hogrel, Thomas Similowski
-
- PA3893** **The relationship between diaphragmatic mobility and chest wall expansion in cerebral palsy**
Surussawadi Bennett (Khon Kaen, Thailand), Nittaya Tanrangka, Michael Bennett
-
- PA3894** **Mobility, shortening velocity and diaphragmatic thickness between infants born at term lower than and above 6 months of age: a pilot study**
Shirley Campos (Recife (PE), Brazil), Rayane Nunes, Helga De Souza, Fernanda Silva, Paulo Magalhães, Leticia Melo, Armèle Dornelas De Andrade, Cyda Reinaux
-
- PA3895** **Parasternal intercostal muscle ultrasound measurements correlate with disease severity in chronic obstructive pulmonary disease: a pilot study**
Peter Wallbridge (Melbourne (VIC), Australia), Selina Parry, Sourav Das, Gary Hammerschlag, Louis Irving, Mark Hew, Daniel Steinfort
-
- PA3896** **Pathophysiological determinants of the response to hypoglossal nerve stimulation in obstructive sleep apnea**
Sara Op de Beeck (Wilrijk, Belgium), Ali Azarbarzin, Marijke Dieltjens, Marc Willemen, Johan A. Verbraecken, Paul H. Van De Heyning, Andrew Wellman, Scott A. Sands, Olivier M. Vanderveken
-
- PA3897** **Multiparametric analysis of sniff nasal inspiratory pressure test in middle stage amyotrophic lateral sclerosis**
Jéssica Danielle Medeiros da Fonsêca (Santa Cruz, Brazil), Antonio Sarmento, Andrea Aliverti, Layana Marques, Francesca Pennati, Mario Emílio Dourado-Júnior, Guilherme Fregonezi, Vanessa Resqueti
-
- PA3898** **Effects of posture on peak cough flow and respiratory muscle activation in Duchenne muscular dystrophy**
Vanessa Resqueti (Natal (RN), Brazil), Layana Marques, Guilherme Fregonezi, Priscila Santos, Antonio Sarmento, Ana Marcelino, Natália Lopes, Andrea Aliverti, Mario Emilio Dourado Jr
-
- PA3899** **Longitudinal study about the relationship between sarcopenia and lung function**
Eun Young Heo (Seoul, Republic of Korea), Goh Eun Chung, Ji Won Yoon, So Hee Oh, Deog-Keom Kim, Hee Soon Chung, Seung Ho Choi
-
- PA3900** **Prediction of Post Op Complication in Patients with Valvular Heart Surgery Based On O2 Challenge Test and A-a Gradient**
Behshid Ghadrdoost (Tehran, Islamic Republic of Iran), Hassan Allah Sadeghi, Sarina Sadeghi

PA3901 Pulmonary function in very long-term survivors after allogeneic stem cell transplantation (aSCT)
Ole Henrik Myrdal (Oslo, Norway), Phoi Phoi Diep, Ellen Ruud, Johny Kongerud, Liv Ingunn Bjoner Sikkeland, May B. Lund

PA3902 The clinical implementation of haemoglobin measurement for gas transfer
Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Jay Gadher, James Stockley, Brendan Cooper

7.2D Session 416 10:45 - 12:45

Poster discussion: Asthma and allergy in adults and children and their biomarkers

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Respiratory infections](#) [Respiratory infections](#)

Method(s) : Physiology General respiratory patient care Respiratory intensive care Public health Epidemiology

Chairs : Eva Rönmark (Lulea, Sweden), Judith Garcia Aymerich (Barcelona, Spain)

PA3903 Late Breaking Abstract - Associations of fathers and their offsprings weight gain with non-allergic asthma
Marianne Lønnebotn (Bergen, Norway), Roy Miodini Nilsen, Shyamali Dharmage, Karl A. Franklin, Mathias Holm, Christer Janson, Debbie Jarvis, Ane Johannessen, Jorunn Kirkeleit, Andrei Malinowski, Vivi Schlünssen, Cecilie Svanes, Francisco Gomez Real

PA3904 Cost variations of asthma over 10 years in adults
Laura Portas (Bolzano (BZ), Italy), Lucia Calciano, Angelo Guido Corsico, Lucia Cazzoletti, Isa Cerveri, Margaret W Gerbase, David Gislason, Rune Gronseth, Joachim Heinrich, Rain Jögi, Ane Johannessen, Alessandro Marcon, Isabelle Pin, Margarethe Wacker, Deborah Jarvis, Christer Janson, Simone Accordini

PA3905 Possible predictors for allergic sensitization at school age in umbilical cord blood, a prospective birth cohort study
Andras Laszlo Soti (Bern, Switzerland), Jakob Usemann, Kathryn Ramsey, Johanna Manuela Kurz, Bettina Sarah Frauchiger, Bianca Schaub, Urs Frey, Philipp Latzin, Oliver Fuchs

PA3906 Increased prevalence of allergic rhinitis in young men in Western Sweden
Styliana Vasileiadou (Göteborg, Sweden), Emma Goksör, Goeran Wennergren, Roxana Mincheva, Bright Nwaru, Bo Lundbäck, Linda Ekerljung

PA3907 Physical activity in middle-aged and older asthmatics
Emmely W. de Roos (Rotterdam, Netherlands), Chantal Koolhaas, Johannes In 'T Veen, Bruno Stricker, Guy Brusselle, Lies Lahousse

PA3908 Characteristics and outcomes of chronic cough in individuals with asthma: a population-based study
Morten Dahl (Køge, Denmark), Yunus Çolak, Shoaib Afzal, Peter Lange, Lars Laursen, Børge Nordestgaard

PA3909 Associations between Fluorescent Oxidation Products (FIOPs) level and change in asthma outcomes
Miora Andrianjafimasy (Villejuif cedex, France), Zeina Akiki, Farid Zerimech, Nicole Le Moual, Valérie Siroux, Oriane Dumas, Régis Matran, Rachel Nadif

PA3910 Outdoor air pollution, fluorescent oxidation products and persistent asthma: the EGEA study
Anaïs Havet (Villejuif, France), Zhen Li, Farid Zerimech, Margaux Sanchez, Valerie Siroux, Nicole Le Moual, Bert Brunekreef, Nino Küenzli, Benedicte Jacquemin, Raphaelle Varraso, Regis Matran, Rachel Nadif

PA3911 New sensitization to *Aspergillus fumigatus* in adult asthma over a 10-year observation period
Kentaro Watai (Sagamihara (Kanagawa prefecture), Japan), Yuma Fukutomi, Hiroaki Hayashi, Maki Iwata, Kisako Nagayama, Yuto Nakamura, Jun Tanaka, Yuto Hamada, Kai Ryu, Yasuhiro Tomita, Chihiro Mistui, Yosuke Kamide, Kiyoshi Sekiya, Akio Mori, Koichiro Asano, Masami Taniguchi

PA3912 Molecular Epidemiology of *Klebsiella pneumoniae*: multiclonal dissemination of CTX-M-15 Extended Spectrum β -lactamase
Cátia Caneiras (Lisboa, Portugal), Sagrario Mayoralas Alises, Luis Lito, José Melo Cristino, Aida Duarte

PA3913 Prevalence of adventitious lung sounds in a large population sample.
Juan Carlos Aviles Solis (Trondheim, Norway), Cristina Jácome, Hans Pasterkamp, Hasse Melbye

PA3914 Lung function in adults conceived by assisted reproductive technologies.
Liam Welsh (Melbourne (VIC), Australia), Sharon Lewis, Joanne Kennedy, Markus Juonala, John Mcbain, Sarah Ranganathan, Jane Halliday

PA3915 Incidence and remission of asthma in adults: results from the West Sweden Asthma Study
Eivind Christian Borna (Moss, Norway), Bright I Nwaru, Roxana Mincheva, Emma Goksör, Linda Ekerljung

PA3916 Adolescent smoking by parents and asthma in their children: repeat cross-sectional surveys in England
James Potts (London, United Kingdom), Cecilie Svanes, Simone Accordini, Deborah Jarvis

- PA3917 A retrospective observational study to characterize severe eosinophilic asthma in Taiwan**
Yu-Fan Ho (Singapore, Singapore), Sumitra Shantakumar, Li-Wen Tuan, Tsu-Mei Lin, Yi-Hsing Chen
-
- PA3918 Severe asthma among adults: Prevalence and clinical characteristics**
Helena Backman (Lulea, Sweden), Sven-Arne Jansson, Caroline Stridsman, Berne Eriksson, Linnea Hedman, Britt-Marie Eklund, Thomas Sandstrom, Anne Lindberg, Bo Lundback, Eva Ronmark
-
- PA3919 Domestic exposure to irritant cleaning agents and asthma in women**
Pierre Lemire (Villejuif, France), Orianne Dumas, Sebastien Chanoine, Sofia Temam, Gianluca Severi, Marie-Christine Boutron-Ruault, Jan-Paul Zock, Valerie Siroux, Raphaelle Varraso, Nicole Le Moual
-
- PA3920 Maternal stress at work and in private life during pregnancy and offspring asthma**
Kathrine Pape (København Ø, Denmark), Camilla Sandal Sejbæk, Hans Bay, Henrik Albert Kolstad, Jørn Olsen, Karin Sørig Hougaard, Kirsten Skamstrup Hansen, Line Rosendahl Meldgaard Pedersen, Niklas Worm Andersson, Reiner Rugulies, Xiaojin Liu, Vivi Schlünssen

7.3J Session 417 10:45 - 12:45

Poster discussion: Pathobiology of pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Physiology General respiratory patient care Cell and molecular biology

Chairs : Christophe Guignabert (Paris, France), Martin Wilkins (London, United Kingdom)

- PA3921 LSC - 2018 - Pulmonary vascular remodeling mediated by ADORA2B in pulmonary artery smooth muscle cells**
Tinne C. J. Mertens (Houston, United States of America), Ankit Hanmandlu (ankit.hanmandlu@utexas.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth,Houston) , Ly Tu (Ly.Tu@inserm.fr / INSERM UMR S 999, Université Paris-Sud,LE PLESSIS-ROBINSON), Carole Phan (phan.carole@gmail.com / INSERM UMR S 999, Université Paris-Sud,LE PLESSIS-ROBINSON), Scott Collum (scott.d.collum@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth,Houston) , Ning-Yuan Chen (ning-yuan.chen@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth,Houston) , Jonathan Davies (jldavies@texaschildrens.org / Department of Pediatrics, Baylor College of Medicine,Houston), Ashrith Guha (gashrith@houstonmethodist.org / Debaquey Heart & Vascular Center, Houston Methodist Hospital,Houston), Holger Eltzhig (holger.eltzhig@uth.tmc.edu / Department of Anaesthesiology, McGovern Medical School, UTHealth,Houston) , Michael Blackburn (michael.r.blackburn@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth,Houston) , Christophe Guignabert (guignabert@gmail.com / INSERM UMR S 999, Université Paris-Sud,Houston), Harry Karmouty-Quintana (harry.karmouty@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth,Houston)
-
- PA3922 LSC - 2018 - Alternative Polyadenylation(APA) modulates extracellular matrix deposition in pulmonary hypertension**
Scott Collum (Houston, United States of America), Tingting Weng (Tingting.Weng@uth.tmc.edu / UTHealth,Houston), Adriana Hernandez (Adriana.M.Hernandez@uth.tmc.edu / UTHealth,Houston), Tinne Mertens (Tinne.C.Mertens@uth.tmc.edu / UTHealth,Houston), Ning-Yuan Chen (Ning-Yuan.Chen@uth.tmc.edu / UTHealth,Houston), Ashrith Guha (gashrith@houstonmethodist.org / Debaquey Heart & Vascular Center,Houston), Keith Youker (kayouker@houstonmethodist.org / Debaquey Heart & Vascular Center,Houston), Eric Wagner (ejwagner@UTMB.EDU / UTMB,Galveston), Leng Han (Leng.Han@uth.tmc.edu / UTHealth,Houston), Michael Blackburn (Michael.R.Blackburn@uth.tmc.edu / UTHealth,Houston), Harry Karmouty-Quintana (Harry.Karmouty@uth.tmc.edu / UTHealth,Houston)
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- PA3923 NMR serum metabolomics for understanding the pathophysiology of COPD associated PH: A pilot study**
Koel Chaudhury (Kharagpur (West Bengal), India), Priyanka Choudhury, Nilanjana Ghosh, Mamata Joshi, Parthasarathi Bhattacharyya
-
- PA3924 KCNK3 channel inactivation leads to pulmonary vascular alterations in rat**
Mélanie Lambert (Le plessis robinson, France), Veronique Capuano, Angele Boet, Aurelie Hautefort, Thomas Bertero, Boris Manoury, David Montani, Marc Humbert, Frederic Perros, Fabrice Antigny
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- PA3925 Implication of the histone methyltransferase EZH2 in pulmonary arterial hypertension**
Olivier Boucherat (Québec (QC), Canada), Karima Habbout, Steeve Provencher, Sébastien Bonnet
-
- PA3926 Functional changes in peripheral blood derived outgrowth endothelial progenitor cells from PAH patients in response to hypoxia**
Rebecca Harper (Adelaide (SA), Australia), Suzanne Maiolo, Michaelia Cockshell, Claudine Bonder, Paul Reynolds
-
- PA3927 Pulmonary Arterial Hypertension Affects the Rat Gut Microbiome**
Francisco Perez Vizcaino (Madrid, Spain), María Callejo, Gema Mondejar-Parreño, Bianca Barreira, José Luis Izquierdo-Garcia, Daniel Morales-Cano, Sergio Esquivel-Ruiz, Laura Moreno, Angel Cogolludo, Juan Duarte

- PA3928 A novel piperidine attenuates pulmonary arterial hypertension via regulating BMP2 and PTGS2 levels**
Jun YANG (, China), Yanjiang Xing, Fang Zhou, Xin Zhao, Rafia Al-Lamki, Mingxia Du, Guangdong Shang, Nicholas W Morrell
- PA3929 The BRD4-PLK1 Axis Drives Vascular Remodeling in PAH**
Olivier Boucherat (Québec (QC), Canada), Eve Tremblay, Sandra Martineau, Ravi Jahagirdar, Ewelina Kulikowski, Steeve Provencher, Sébastien Bonnet
- PA3930 Role of CHK1 in Pulmonary Arterial Hypertension**
Olivier Boucherat (Québec (QC), Canada), Alice Bourgeois, Sandra Breuils-Bonnet, Steeve Provencher, Sébastien Bonnet
- PA3931 Mutations in the bone morphogenic protein receptor 2 promoter in heritable pulmonary arterial hypertension**
Christina Eichstaedt (Heidelberg, Germany), Jie Song, Rebecca Rodríguez Viales, Zixuan Pan, Christine Fischer, Katrin Hinderhofer, Ekkehard Grünig
- PA3932 Immune repertoire-based signatures in pre-capillary pulmonary hypertension**
Sebastien J. Dumas (Le Plessis-Robinson, France), Morad Nakhleh, David Montani, Barbara Girerd, Andreij Seferian, Peter Dorfmueller, Isabelle Klingel-Schmitt, Matthieu Vocelle, Anais Courtier, Orchidee Filipe-Santo, Gilles Parmentier, Solene Perez, Caroline Superbielle, Sophie Caillat-Zucman, Darteville Philippe, Gerald Simonneau, Frederic Perros, Marc Humbert, Sylvia Cohen-Kaminsky
- PA3933 Long noncoding RNA H19 in the pathogenesis of right ventricular failure with pulmonary arterial hypertension**
Junichi Omura (Osaka, Japan), Sandra Breuils-Bonnet, Olivier Boucherat, Steeve Provencher, Sébastien Bonnet
- PA3934 Outgrowth, proliferative speed and angiogenic capacity of Endothelial Colony Forming Cells (ECFC) correlate with disease severity and right ventricular (RV) adaptation in Pulmonary Arterial Hypertension (PAH) patients**
Josien Smits (Amsterdam, Netherlands), Dimitar Tasev, Robert Szulcek, Stine Andersen, Steffen Ringgaard, Janus Hyldebradt, Asgar Andersen, Anton Vonk-Noordegraaf, Pieter Koolwijk, Harm-Jan Bogaard
- PA3935 Uric acid contributes to the progression of pulmonary hypertension in rodents and humans**
Laurent Savale (Le Kremlin-Bicêtre, France), Satoshi Akagi, Ly Tu, Raphaël Thuillet, Jennifer Bordenave, Thimoté Quatremare, Amélie Cumont, Carole Phan, Alice Huertas, Marc Humbert, Yuichi Tamura, Chrsitope Guignabert
- PA3936 Fine structural modifications of heparan sulfate sulfation patterns in lung are associated with functional effects in Precapillary Pulmonary Hypertension**
Patricia ALBANESE (Creteil, France), Sébastien Dumas, Benoit Ranchoux, Sara Shamdani, Sandrine Chantepie, Minh Bao Huynh, David Montani, Barbara Girerd, Peter Dorfmueller, Elie Fadel, Philippe Darteville, Frederic Perros, Marc Humbert, Dulce Papy-Garcia, Sylvia Cohen-Kaminsky
- PA3937 Pharmacological activation of Nur77 enhances BMP signalling and inhibits vascular remodelling in pulmonary arterial hypertension**
Konda Babu Kurakula (Leiden, Netherlands), Xiao-Qing Sun, Chris Happé, Marie-José Goumans, Harm Jan Bogaard
- PA3938 NMDA receptor activation promotes vascular remodeling and pulmonary arterial hypertension**
Sebastien J. Dumas (Le Plessis-Robinson, France), Gilles Bru-Mercier, Audrey Courboulain, Marceau Quatremer, Catherine Rucker-Martin, Fabrice Antigny, Morad Nakhleh, Benoit Ranchoux, Elodie Gouadon, Maria-Candida Vinhas, Matthieu Vocelle, Nicolas Raymond, Peter Dorfmueller, Elie Fadel, Frederic Perros, Marc Humbert, Sylvia Cohen-Kaminsky

No Room

Session 420

12:30 - 17:00

Game Zone: GAME ZONE - SESSION 6

Ultrasound

Maryam Ahmed (Manchester, United Kingdom), Judith Lyons (, United Kingdom), Speaker to be confirmed

3941

Interventional bronchoscopy

Fausto Leoncini (Montespertoli (FI), Italy), Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Rein Posthuma (Maastricht, Netherlands)

3942

TP-01

Session 422

12:50 - 14:40

Thematic poster: Tests and trends in asthma

Disease(s) : Respiratory critical care Airway diseases Sleep and breathing disorders

Method(s) : Physiology Endoscopy and interventional pulmonology Imaging Epidemiology Cell and molecular biology Public health General respiratory patient care

Chairs : Jean-Marie Nguyen Quang (Paris, France), Rachel Nadif (Villejuif, France), Jodie Simpson (New Lambton, Australia)

- PA3944 Time trends in clinical characteristics of patients with severe asthma: data from the Belgian Severe asthma register (BSAR)**
Stephanie Dobbelaere (Gent, Belgium), Florence Schleich, Renaud Louis, Olivier Vandenplas, Alain Michils, Charles Pilette, Rudi Peche, Guy Joos, Guy Brusseele
- PA3945 Accuracy of objective tests for diagnosing adult asthma in symptomatic patients: A systematic literature review and hierarchical Bayesian latent-class meta-analysis.**
Hiroyuki Sano (Osakasayama, Japan), Katsuyuki Tomita, Akiko Sano, Osamu Nishiyama, Takashi Iwanaga, Yuji Tohda
- PA3946 Clinical predictors of the effectiveness of tiotropium in adults with symptomatic asthma: the real-life data**
Wen-Chien Cheng (Taichung, Taiwan), Chih-Yen Tu, Biing-Ru Wu, Chih-Yu Chen, Wei-Chun Chen, Te-Chun Hsia, Wei-Chih Liao, Chia-Hung Chen, Wu-Huei Hsu
- PA3947 Comorbidities in asthma, what impact?**
hager khouk (tunis, Tunisia), Haifa Zaibi, Jihen Ben Ammar, Dorra Karray, Mohamed Ali Baccar, Saloua Azzabi, Besma Dhahri, Hichem Aouina
- PA3948 Targeting PDE3 Abrogates the Hallmarks of Asthma in Asthma Models**
Alex Kleinjan (Choose State, Netherlands), Jan Beute, Keerthana Ganesh, Melanie Lukkes, Menno Van Nimwegen, Steve Hockman, Vince Manganiello, Rudi Hendriks
- PA3949 Knowledge of pulmonologists, allergists, ENTs and paediatricians related to maintenance asthma treatment**
Désirée Larenas-Linnemann (mexico, Mexico), Margarita Fernandez, Mónica Rodríguez-González, Carmen Cano-Salas, Jorge Luna-Pech, José Antonio Ortega-Martell, Blanca Del Rio-Navarro, Erika Del Carmen López-Estrada, Jade Romero, Juan Carlos Vargas, Jorge Salas
- PA3951 The bronchial asthma and upper respiratory tract multimorbidity in children**
Nataliia POPOVA (Moscow, Russian Federation), M Glukhova, S Krasilnikova, E Tush, T Eliseeva, O Khaletskaya, L Murakaeva, Igor Klimanov, I Balabkin
- PA3952 Influence of sex in inhaler technique, adherence to treatment and control of Asthma.**
Maria Perez Morales (San José del Valle, Spain), Gonzalo Jimenez Galvez, Aurelio Arnedillo Muñoz, Alberto Levy Naón, Auxiliadora Romero Falcón, Ana Gómez-Bastero Fernández
- PA3953 Who should do the asthma control test: Patient? Physician?**
SEVDA COMERT (Istanbul, Turkey), Seda Beyhan Sağmen, Coskun Dogan, Elif Torun Parmaksız, Ali Fidan, Banu Salepci, Nesrin Kural
- PA3954 The influence of the environment on the asthma**
Arfaoui Hajar (Casablanca, Morocco), Wiam Elkhatabi, Hasna Jabri, Hicham Afif
- PA3955 How to detect sleep disorders in patients treated for asthma and allergic rhinitis?**
mariem ferchichi (TUNIS, Tunisia), Houda Snene, Nozha Ben Salah, Khalil Zayen, Achraf Ben Tkhayet, Dorra Bejar, Ines Cherif, Dorra Aouida, Jalloul Daghfous, Nadia Mehiri, Bechir Louzir
- PA3956 Relationship between omalizumab efficacy and baseline allergen profile impacts patient-reported outcomes in allergic asthma**
Jing Li (Guangzhou (Guangdong), China), Jian Kang, Lingfei Kong, Jing Yang, Lu Wang, Michael Humphries, Ioannis Kottakis, Robert Fogel, Xiao Hoong Lau, Nanshan Zhong
- PA3957 A national audit of severe life-threatening asthma in Singapore**
Anthony Yii (Singapore, Singapore), Ser Hon Puah, Hui Fang Lim, Tunn Ren Tay, Lay Ping Neo, Andrew Li, Priscilla Lau, Rae-Ann Tan, Li Leng Tan, John Abisheganaden, Tow Keang Lim, Mariko Siyue Koh
- PA3958 Effects of endotoxin inhalation and it with ICS/LABA inhalation on diaphragm muscle contractile properties in mice**
Chiyohiko Shindoh (Sendai, Japan), Yuriko Shindoh, Masahito Miura
- PA3959 Dependence of quality of life on cellular patterns of inflammation in asthma patients**
Natalia Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Anna Prikhodko, Leonid Nakhamchen
- PA3960 Phenotyping asthma patients in the ED: 6 months experience in Naples**
Francesca Simioli (Napoli (NA), Italy), Maria Martino, Antonio Molino, Anna Agnese Stanziola, Lucia Gallinaro, Maria D'Amato
- PA3961 Unraveling adenosine and AMP induced dyspnea sensation in asthma**
Claire A. Cox (Groningen, Netherlands), Ilse M. Boudewijn, Sebastiaan J. Vroegop, Siebrig Schokker, Anne J. Lexmond, Hendrik W. Frijlink, Paul Hagedoorn, Judith M. Vonk, Martijn P. Farenhorst, Nick H.T. Ten Hacken, Huib A.M. Kerstjens, Maarten Van Den Berge

PA3962 Virtual Patient Journeys: A novel aid for teaching asthma to medical students
Joseph Salem (London, United Kingdom), Junaid Fukuta

PA3963 Fixed airway obstruction in patients with severe asthma
Galina Sergeeva (St. Petersburg, Russian Federation), Alexander Emelyanov, Evgenia Leshenkova, Antonina Znakhurenko, Nana Asatiani

TP-02

Session 423

12:50 - 14:40

Thematic poster: Asthma and drugsDisease(s) : **Airway diseases** Respiratory critical care

Method(s) : Epidemiology Respiratory intensive care Public health Endoscopy and interventional pulmonology General respiratory patient care Imaging Physiology

Chairs : Stefan Blaas (Regensburg, Germany), Chair to be confirmed

PA3964 Bronchoscope-guided Catheter-directed therapy for Patients with Severe Asthma and Airway Stenosis. Shah W,Thong L,Redmond K,Murray J,Cormican LJ,Burke CM, Faul JL.
Waheed Shah (Dublin 11, Ireland), John Faul

PA3965 Clinical-functional manifestations of osmotic airway hyperresponsiveness in asthma patients
Evgenia Y. Afanaseva (Blagoveshchensk (Amur Oblast), Russian Federation), Anna G. Prikhodko

PA3966 Overlapping biological drugs prescription status: real life in Genoa
Diego Bagnasco (GENOVA (GE), Italy), Teresita Aloe', Tommaso Bondavalli, Elisa Testino, Andrea Manfredi, Giovanni Passalacqua

PA3967 Evaluation of nationwide quality control indicators of asthma treatment
So-My Koo (Seoul, Republic of Korea), Minseong Kim, Gun Woo Park, Sungho Won, Hyeon-Jong Yang

PA3968 Adjustable maintenance dosing with budesonide/formoterol provides effective asthma symptom control at a lower average dose than with fixed dosing – 6-month study
Olha S. Tolokh (Lviv, Ukraine), Nadiya D. Rudnytska

PA3969 Features of adult-onset (19+) difficult asthma differ by sex in the WATCH cohort.
Clair Barber (Southampton (Hampshire), United Kingdom), Kerry Gove, Deborah Knight, Frances Mitchell, Hans Michael Haitchi, Colin Newell, Paddy Dennison, Tom M Wilkinson, Peter H Howarth, Ramesh J Kurukulaaratchy

PA3970 Association between asthma exacerbations and air pollution in Badalona (Barcelona), (2008-2016).
Zoran Stojanovic (Girona, Spain), Carlos Martínez-Rivera, Ignasi Garcia-Olivé, Joaquim Radua, Jorge Abad-Capa

PA3971 Quality of life (QOL) and pulmonary rehabilitation (PRP) : Functional correlates in asthma and COPD outpatients
Daryna Semotyuk (Lviv, Ukraine), Khrystyna Volnytska

PA3972 Preferences for current inhaler devices in patients with asthma
Diana Paulina Chiluiza Reyes (Madrid, Spain), Beatriz Martín, Ana Jaureguizar, Francisco León, Esther Barbero, Edwin Mercedes, Carlos Almonacid

PA3973 Indirect airway challenges and asthma related conditions in healthy active individuals
William Gowers (Whitstable, United Kingdom), Anna Jackson, James Hull, James Hopker, John Dickinson

PA3974 Effect of a short-term yoga-based lifestyle intervention on lung function and quality of life in bronchial asthma patients
Eva Eva (New Delhi (Delhi), India), Ritesh Netam, Anjana Talwar, Anant Mohan, Raj Kumar Yadav, Saurabh Mittal, Hanjabam Barun Sharma, Sanjay Patel

PA3975 Contribution of respiratory function in asthma
kenza fezaa (algiers, Algeria), Leila Laouar, Wafia Bourekoua, Mohamed Tayeb Makhloufi, Samya Taright

PA3976 Asthma control and psychological status in university students
Snezana Stojanovic Ristic (Belgrade, Republic of Serbia), Branislava Milenkovic, Milan Latas, Zaklina Davicevic Elez, Tamara Lukic, Jelena Jankovic, Sanja Dimic Janjic, Natasa Djurdjevic

PA3977 Identifying Asthmatic Children using Tidal Breathing Parameters Measured by Structured Light Plethysmography (SLP)
Hamzah Hmeidi (Ely, United Kingdom), Hamzah Hmeidi (Stoke-on-Trent (Staffordshire), United Kingdom), Shayan Motamedi Fakhr, Ed Chadwick, Francis Gilchrist, Rachel Wilson, Warren Lenney, Richard Iles, John Alexander

PA3978 Developing datasets for a national audit of hospital asthma care and organisation in England and Wales.
Rachael Andrews (London, United Kingdom), Viktoria Mcmillan, Christopher M Roberts, Shuaib Nasser

- PA3979 Challenges faced by Indian pediatricians in management of pediatric asthma in clinical practice.**
Monica Barne (Pune (Maharashtra), India), Noopur Hedawoo, Nisha Kale, Sapna Madas, Sundeep Salvi
- PA3980 Relationship between alexithymia and psychological status in university students with asthma**
Branislava Milenković (Beograd, Republic of Serbia), Snezana Ristic, Tamara Lukic, Žaklina Davicevic-Elez, Jelena Jankovic, Natasa Djurdjevic, Sanja Dimic Janjic
- PA3981 Objective characterisation of difficult asthma in the WATCH study**
Anna Freeman (Southampton, United Kingdom), Heena M Mistry, Adnan Azim, Matt A E Harvey, Kerry Gove, Hans Michael Haitchi, Colin Newell, Paddy Dennison, Tom M Wilkinson, Ramesh J Kurukulaaratchy
- PA3982 Uncontrolled asthma among patients attending a Specialist Respiratory Clinic in a resource-limited setting**
Gayani Liyanage (Welisara, Sierra Leone), Eshanth Perera
- PA3983 Improvement of small airway deposition of corticosteroids by smart nebulisation**
Bernhard Müllinger (Gauting, Germany), Juliane Schick, Gary Burgess, Sue Snape

TP-03

Session 424

12:50 - 14:40

Thematic poster: Clinical markers of asthma**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** Public health Endoscopy and interventional pulmonology General respiratory patient care Cell and molecular biology Epidemiology**Chairs :** Christophe Leroyer (Brest, France), Alvaro A. Cruz (Salvador (BA), Brazil), Chair to be confirmed

- PA3984 Loss of smell: a clinical marker of severe asthma**
Jose Antonio Castillo Vizueté (Sitges (Barcelona), Spain), Cesar Picado, Vicente Plaza, Gustavo Rodrigo, Berta Juliá, Cristina Fernandez, Joaquim Mullol
- PA3985 Chronic hyperventilation in Asthma**
Duco Deenstra (Nijmegen, Netherlands), Hanneke Van Helvoort, Noortje Koolen, Remco Djamin, Jeanine Antons, Alex Van 'T Hul
- PA3986 One-year follow-up of asthma patients in a randomised controlled trial of high-intensity training. Are there lasting effects?**
Adrian Bentzon (Copenhagen, Denmark), Linda Loehde, Louise Toennesen, Celeste Porsbjerg, Morten Hostrup, Vibeke Backer
- PA3987 Correlation between reduced forced expiratory flow between 25% and 75% (FEF 25-75%) and a positive methacholine challenge test (MCT) in adults with non-obstructive baseline spirometry.**
Irfan Shafiq (Abu Dhabi, United Arab Emirates), Ali Wahla, Mateen Uzbek, Niyas Parappurath, Zaid Zoumot
- PA3988 Clinical and histologic effect of bronchial thermoplasty after 1 year**
Roberto Piro (Reggio Emilia (RE), Italy), Carla Galeone, Francesco Menzella, Patrizia Ruggiero, Mirco Lusuardi, Nicola Facciolongo
- PA3989 Quality of sleep in asthmatic patients**
Abel Pallares Sanmartin (Vigo (Pontevedra), Spain), Ana Sogo Sagardia, Maria Victoria González Gutiérrez, Astrid Crespo Lessman, Nuria Marina Malanda, Ruben Andújar Espinosa, Marta Ferrer Galván, Ana Boldova Loscertales, Susana Herrera Lara, Laura Vigil Gimenez, Jose Serrano Pariente, Carolina Cisneros Serrano, Antolin López Viñas, Cesar Picado Vallés, Vicente Plaza Moral
- PA3990 Evaluation of pulmonary function after bronchial thermoplasty in the treatment of severe uncontrolled asthma using forced oscillation technique.**
Yukiko Shimoda (Shinjyuku, Japan), Motoyasu Iikura, Keita Sakamoto, Masao Hashimoto, Satoru Ishii, Shinyu Izumi, Masayuki Hojo, Haruhito Sugiyama
- PA3991 Factors that determine the success of step-up therapy in uncontrolled asthmatic patients in clinical practice**
Alexandra Suliana Mogrovejo Calle (Valencia, Spain), Eva Martínez Moragón, Julio Delgado Romero, Manuel Pérez Estrada Cornejo, Ignacio García Nunez, Andrea Crespo Sedano, Antonia Soto Vanegas
- PA3992 Measures of adherence in patients with severe asthma prescribed systemic steroids in the U-BIOPRED cohort**
Fahad Alahmadi (Manchester (Greater Manchester), United Kingdom), Andrew Simpson, Christina Gomez, Craig Wheelock, Dominick Shaw, Louise Fleming, Graham Roberts, John Riley, Stewart Bates, Ana R Sousa, Richard Knowles, Aruna Bansal, Julie Corfield, Ioannis Pandis, Kai Sun, Per Bakke, Massimo Caruso, Pascal Chanez, Babro Dahlén, Ildiko Horvath, Norbert Krug, Paolo Montuschi, Thomas Sandstrom, Florian Singer, Scott Wagers, Ian Adcock, Ratko Djukanovic, Kian Chung, Peter J Sterk, Sven-Erik Dahlen, Stephen J Fowler

- PA3993** **The association of vigorous physical activity with 10-year adult asthma incidence**
Melissa Russell (Melbourne (VIC), Australia), Shyamali Dharmage, Elaine Fuertes, Deborah Jarvis, Michael Abramson, Joachim Heinrich, Ane Johannessen, Benedicte Lenaert, Alessandro Marcon, Nicole Probst, Chantel Raherison, Giulia Squillaciotti, José-Luis Sánchez-Ramos, Johan Sommar, Judith Garcia Aymerich
- PA3994** **Immediate bronchodilation response in FEV1 as a diagnostic criterion of adult asthma**
Leena Esteri Tuomisto (Seinäjoki, Finland), Pinja Ilmarinen, Lauri Lehtimäki, Minna Tommola, Hannu Kankaanranta
- PA3995** **Clinical outcomes in non-eosinophilic versus eosinophilic asthma after 12 months specialist management**
Morten Hvidtfeldt (København V, Denmark), Asger Sverrild, Vibeke Backer, Celeste Porsbjerg
- PA3996** **Two phenotypes of severe asthma identified by cluster analysis**
Olga Kharevich (Minsk, Belarus), Irina Lapteva, Elena Lapteva
- PA3997** **Changes of the blood pressure in asthmatics of different age groups in response to short-time cold air airway challenge**
Anna G. Prikhodko (Blagoveshchensk (Amur Oblast), Russian Federation), Juliy M. Perelman
- PA3998** **Switch from Symbicort Turbuhaler to Bufomix Easyhaler; a real-life prospective study in asthma patients**
Paula H. Ryttilä (Espoo, Finland), Jörgen Syk, Ines Vinge, Mikael Sörberg
- PA3999** **Patterns of sensitization to furry animal allergen components in adult asthma and indicators of severity**
Bright Nwaru (Gothenburg, Sweden), Bright Nwaru, Shintaro Suzuki, Linda Ekerljung, Sigrid Sjölander, Roxana Mincheva, Erik Rönmark, Eva Rönmark, Magnus Borres, Bo Lundbäck, Jan Lötvald
- PA4000** **Incremental cost-effective ratio effect of Omalizumab treatment for Severe Allergic Asthma at Danish university Hospital.**
Soren Bagge Petersen (Ålborg, Denmark), Ulla Møller Weinreich
- PA4001** **Dynamic hyperinflation predicts impaired daily life activity in asthma**
A.N. van der Meer (Leeuwarden, Netherlands), K. De Jong, E.H. Bel, A. Ten Brinke
- PA4002** **SABA overuse in the Portuguese prescription database**
Ana Sá-Sousa (Porto, Portugal), Rute Almeida, Alberto Freitas, João Almeida Fonseca
- PA4003** **Association between vitamin D deficiency and risk of uncontrolled asthma development**
Vitaly I. Kupaev (Samara, Russian Federation), Maria S. Nurdina

TP-04

Session 425

12:50 - 14:40

Thematic poster: Patient-reported outcomes and scores in COPD**Disease(s)** : [Airway diseases](#) [Respiratory critical care](#)**Method(s)** : Respiratory intensive care Epidemiology Public health General respiratory patient care**Chairs** : Annemie Schols (Maastricht, Netherlands), Wassim Labaki (Ann Arbor, United States of America), Ahmed Ben Saad (Monastir, Tunisia)

- PA4004** **Comparison of CAT and mMRC in terms of assessing symptom status in stable COPD patients**
Esra Ertan Yazar (Istanbul, Turkey), Elif Yelda Niksarlioglu, Burcu Yigitbas, Tugba Mandal
- PA4005** **COPD Assessment test (CAT) Score as a predictor of severe exacerbations in veterans**
Andrea Guerrero Cignarella (Miami, United States of America), Parvaneh Baghaei Shiva, Katherine Tovar, Gisel Urdaneta, Isabel Vital, Gregory Holt, Mehdi Mirsaedi, Rafael Calderon-Candelario, Michael A Campos
- PA4006** **The Capacity of Daily Living during the Morning (CDLM) questionnaire: Evaluating the impact of morning symptoms in COPD**
Alexa Nuñez (Barcelona, Spain), Miriam Barrecheguren, Myriam Calle, Ricard Casamor, Marc Miravittles, Cristina Esquinas
- PA4007** **Effect of treatment on morning symptoms in COPD. Correlation between doctors and patients in the evaluation of symptoms. SINCON Study**
Adolfo Baloira Villar (Pontevedra, Spain), Juan Antonio Trigueros, Jose Miguel Rodriguez Gozález-Moro, Estefanía Sanjuan, Ricard Casamor
- PA4008** **Qualitative research evaluating patient preferences for a new COPD treatment**
Melanie Schroeder (Middlesex, United Kingdom), Lina Eliasson, Katie Hall, Jake Macey, Sophia Bracey, Paul W Jones, Afisi S Ismaila
- PA4009** **Differences in medication adherence in chronic obstructive pulmonary disease associated with beliefs on medications**
Huseyin Arikan (Istanbul, Turkey), Dildar Duman, Zeynep Uslu, Derya Kocakaya, Emel Eryuksel

- PA4010 Patients' adherence to COPD therapy**
Ilaria Aredano (Parma (PR), Italy), Francesca De Blasio, Davide Dassetto, Michela Bellocchia, Caterina Bucca
-
- PA4011 Relationships among depression, pain, patient activation, and fatigue in patients with COPD**
Jungeun Lee (Kingston, United States of America), Huong Nguyen, Vincent Fan
-
- PA4012 Chronic pain in patients with chronic obstructive pulmonary disease**
Malek Chaabouni (Sfax, Tunisia), Feki Walid, Ketata Wajdi, Moussa Nadia, Bahloul Najla, Msaad Sameh, Kotti Amina, Ayadi Hajer, Rekik Karim, Yangui Ilhem, Kammoun Samy
-
- PA4013 Assessing activity-related cognitions in chronic obstructive pulmonary disease (COPD): validation of the activity cognitions instrument (ACI)**
Milou Looijmans (Groesbeek, Netherlands), Inge J Van Nunen, Mariska P M Klaassen, Jeannette B Peters, Jan H Vercoulen
-
- PA4014 French translation and validation of the C- and D-PPAC PROactive questionnaires to measure physical activity in patients with chronic obstructive pulmonary disease.**
Trija Vaidya (NANTES, France), Véronique Thomas-Ollivier, François Hug, Alain Bernady, Frédéric Costes, Hakima Ouksel, Claire De Bisschop, Arnaud Chambellan
-
- PA4015 Patient And Carer Perceptions Regarding The Advanced Lung Disease Service – A New Model Of Integrated Respiratory And Palliative Care**
Natasha Smallwood (Melbourne (VIC), Australia), Thomas Moran, Michelle Thompson, Brian Le, Louis Irving
-
- PA4016 Evaluation of COPD Patient's Relatives Assessment of Disease Awareness, Load of Care Giving and Loss of Workforce: Turkish Thoracic Society COPD Working Group.**
Nurdan Köktürk (Ankara, Turkey), Ayşe Baha, Elif Yildirim, Ipek Ozmen, Alev Gurgun, Fusun Topcu, Eylem Akpınar, Funda Elmas, Hatice Sen, Nalan Ogan, Yesim Onder, Tamer Dogan, Mehmet Polatli, Zuleyha Bingol, Turhan Ece, Eda Akguney, Metin Akgun, Eylem Ozgur, Sibel Nayci, Irem Serifoglu, Can Ates
-
- PA4017 Correlation of sleep quality and psychological well-being with BODE index and quality of life in stable COPD patients**
Krishna K Sharma (Jaipur (Rajasthan), India), Titiksha Choyal
-
- PA4018 The impact of low forced vital capacity on comorbidities and behavior restriction in chronic obstructive pulmonary disease**
Noeul Kang (Seoul, Republic of Korea), Sun Hye Shin, Sunhye Gu, Seong Yong Lim, Juhee Cho, Hyun Il Gil, Hye Yun Park, Hyun Lee
-
- PA4019 Differences in psychological stage and functional capacity between caregivers of patients with COPD and heart failure in accordance with their levels of perceived self-efficacy**
Monica Rivera-Rodriguez (Mexico, Mexico), Viridiana Pelaez-Hernandez, Arturo Orea-Tejeda, Alejandro Figueroa-Herrera, Dulce Gonzalez-Islas, Carmen Olivo-Villalobos, Clyo Chavez-Mendez, Giselle Davila-Said, Sonia Torres-Montiel, Luis Felipe Castillo-Aguilar, Karla Balderas-Muñoz, Lourdes Aguilera-Carrillo, Rocio Sanchez-Santillan, Elisa Perez-Cabañas
-
- PA4020 Drivers of respiratory symptoms in COPD patients**
Kate Johnson (Vancouver (BC), Canada), Abdollah Safari, Wan Tan, Jean Bourbeau, Mohsen Sadatsafavi
-
- PA4021 PAIN AND FRAILTY IN COPD PATIENTS: RELATIONSHIP AND IMPACT ON WELLBEING AND HEALTH STATUS**
Sabina Antoniu (Iasi (Iasi), Romania), Anca Apostol, Robbert Gobbens
-
- PA4022 Physicians' perceptions on gender differences in the diagnosis and management of COPD**
Chantal Raheison-Semjen (Pessac, France), Karen Mezzi, Kostas Kostikas, Alexander Mackay, Dave Singh
-
- PA4023 Impact of a educational program in the use of inhalers in patients derived to a respiratory rehabilitation unit**
Jose Andres Tenes Mayen (Madrid, Spain), Pablo Mariscal Aguilar, Teresa Torralba, Rodolfo Alvarez Sala-Walther, Mercedes Marin, Carlos Carpio

TP-05

Session 426

12:50 - 14:40

Thematic poster: COPD and extrapulmonary comorbiditiesDisease(s) : **Airway diseases** **Sleep and breathing disorders**Method(s) : **Imaging** **Physiology** **General respiratory patient care** **Epidemiology**Chairs : **Lowie Vanfleteren** (Horn, Netherlands), **Fabrizio Luppi** (Spilamberto (MO), Italy), **Therese Lapperre** (København NV, Denmark), **Beatriz Abascal Bolado** (Santander (Cantabria), Spain)

- PA4024 A study of the comorbidity of COPD and type 2 diabetes mellitus**
Tatyana Makarova (Moscow, Russian Federation), Vyacheslav Kobylansky, Olga Pivovarova, Anna Sotnikova

- PA4025 Role of BMI in the clinical course of COPD patients with type 2 diabetes mellitus**
Plamen Titorenkov (Sofia, Bulgaria), Milena Encheva, Aleksandra Chervenivanova, Petar Chipev, Dora Marinova, Kosta Kostov
-
- PA4026 The "sweet" side of the Overlap Syndrome**
Silvano Dragonieri (Bari (BA), Italy), Giorgio Castellana, Lorenzo Marra, Valentina Di Lecce, Pierluigi Carratù, Onofrio Resta
-
- PA4027 Metformin predispose acute exacerbations of COPD patients with insulin-dependent diabetes mellitus>**
Kuan-Yuan Chen (Taipei, Taiwan), Li-Nien Chien, Chien-Hua Tseng, Kang-Yun Lee
-
- PA4028 The effect of comorbidities on long-term survival in COPD**
Selma Aydoğan Eroğlu (İstanbul, Turkey), Halil Ibrahim Yakar, Ethem Yıldız, Murat Kavas, Dildar Duman, Hakan Günen
-
- PA4029 Comorbidities in COPD - Impact on mortality**
Sara Xavier pires (Porto, Portugal), Penélope Almeida, Márcia Cravo, Maria Inês Costa, Tiago Oliveira, Sara Vieira Silva, Pedro Leuschner
-
- PA4030 Effect of comorbidities on severity and clinical parameters of COPD**
Seoung Ju Park (Jeonju, Republic of Korea), Seung Yong Park, Chin Kook Rhee, Kwang Ha Yoo
-
- PA4031 Evaluation of Co-morbidities among Different Chronic Obstructive Pulmonary Disease Phenotypes**
Mohamed Shahat Badawy (Luxor, Egypt), Alaa Rashaad, Rasha Mohamed
-
- PA4032 COPD: CT Thorax - friend or foe': Clinical utility of CT in diagnosing co-morbidities.**
Sundeeep Kaul (London, United Kingdom), Akanksha Vohra, Samavia Raza, Paras Dalal
-
- PA4033 Effects of comorbidities on physical activity in chronic obstructive pulmonary disease**
Makoto Yoshida (Fukuoka, Japan), Atsushi Moriwaki, Hisayuki Osoreda, Tetsuya Hiramoto, Tomoaki Iwanaga, Hiromasa Inoue
-
- PA4034 A MULTILATERAL APPROACH TO COPD COMORBIDITIES**
Alexandru Corlateanu (Chisihau, Republic of Moldova), Serghei Covantev, Eugenia Scutaru, Doina Rusu, Olga Corlateanu, Victor Botnaru
-
- PA4035 Gastro-oesophageal reflux, reflux-associated respiratory symptoms and severity of Chronic Obstructive Pulmonary Disease in Sri Lankan patients.**
Channa Ranasinha (Colombo 7, Sri Lanka), D Lakmali Amarasiri, Suresh Chaturanta, Heshara N Hettige, Dilshani G Hitige, Nadun U Gunasekera, Kb Madubashani Wickramaratna, M Ghazzaly Nizamdeen, Kirthi D Gunasekera
-
- PA4036 Medication Effect on Acute Exacerbation and Mortality in Patients with Coexistent COPD and GERD**
Vincent Yi-Fong Su (Taipei, Taiwan)
-
- PA4037 The association of respiratory health and cardiovascular risk with structural brain disease in patients with COPD**
Daniel Burrage (London, United Kingdom), Sachelle V Ruickbie, Mohani P K Bajaj, Cathy A Spilling, James W Dodd, Thomas R Barrick, Paul W Jones, Emma H Baker
-
- PA4038 Impact of non-alcoholic fatty liver disease on late cardiovascular events and death in Chronic Obstructive Pulmonary Disease**
Damien VIGLINO (GRENOBLE, France), Anais Plazanet, Sébastien Bailly, Meriem Benmerad, Ingrid Jullian-Desayes, Renaud Tamisier, Vincent Leroy, Jean-Pierre Zarski, Maxime Maignan, Marie Joyeux-Faure, Jean-Louis Pépin
-
- PA4039 COPD: clinical, personality characteristics and psychological defences in development of disadaptive types of attitude to illness**
Yanina Galetskayte (Moscow, Russian Federation), Svetlana Ovcharenko, Ekaterina Nikitenko, Sergey Enikolopov, Beatrice Volel
-
- PA4040 Sex differences in COPD comorbidities**
Ilaria Aredano (Parma (PR), Italy), Francesca de Blasio, Davide Dassetto, Francesco Coni, Renza Ambrosanio, Anna Maria Rella, Roberta Di Tria, Caterina Bucca
-
- PA4041 Clinical characteristics and related risk factors of depression in patients with early COPD**
Yong Suk Jo (Seoul, Republic of Korea), Min Hye Kang, Jeong Mi Lee, Seoung Woo Han
-
- PA4042 Severe mental illness in COPD patients: findings from the primary care 2015-17 COPD audit**
Viktoria McMillan (London, United Kingdom), Juliana Holzhauer-Barrie, Noel Baxter, Jennifer Quint, Philip Stone, Christopher M Roberts
-
- PA4043 Anxiety and depression on exacerbation COPD patients**
Juliana Gjerazi (Fier, Albania), Irma Tashi, Jolanda Daka, Jul Bushati, Perlat Kapisyzi

TP-06

Session 427

12:50 - 14:40

Thematic poster: Functional assessment of COPD**Disease(s) :** Airway diseases Respiratory critical care Respiratory infections Pulmonary vascular diseases Respiratory infections**Method(s) :** Respiratory intensive care Surgery General respiratory patient care Physiology Imaging**Chairs :** Manlio Milanese (Pietra ligure (SV), Italy), Michael Furian (Zürich, Switzerland), Georgios Kaltsakas (Athens, Greece), Lies Lahousse (Ghent, Belgium)

PA4044 Late Breaking Abstract - Small airway and parenchymal changes are frequent in V/P SPECT of smokers without COPD
Marika Bajc (Lund, Sweden), Linnea Jarenbäck, Kajsa Wiklund, Jaro Ankerst, Ari E. Lindqvist, Leif Bjermer

PA4045 Late Breaking Abstract - Dietary nitrate supplementation enhances the benefit of pulmonary rehabilitation in people with COPD
Matthew Pavitt (Billingshurst (West Sussex), United Kingdom), Rebecca J Tanner, Adam P Lewis, Sara C Buttery, Bhavin Mehta, Helen Jefford, Katrina J Curtis, Winston Banya, Syed Husain, Karnan Satkunam, Dinesh Shrikrishna, William De Man, Michael I Polkey, Nicholas S Hopkinson

PA4046 Late Breaking Abstract - Combined Use of Inspiratory and Expiratory Threshold Pressure Training with Data Monitor in COPD
Xin Chen (Guangzhou (Guangdong), China), Wen-Hui Xu

PA4047 Late Breaking Abstract - Effects of a new Airway Clearance Technology versus manual physiotherapy in COPD
Florin Dumitru Mihaltan (Bucuresti, Romania), Laurent Morin, Corina Borcea, Ancuta Costantin, Alexandru Pahontu, Lucia Marinescu, Valentin-Caius Cosei

PA4048 Late Breaking Abstract - Cardio-pulmonary exercise test indicators of stress left ventricle diastolic dysfunction in non-severe COPD patients
Zheina Cherneva (Sofia, Bulgaria), Radostina Cherneva, Dinko Valev, Rosen Petkov, Dimitar Kostadinov

PA4049 Late Breaking Abstract - Dietary nitrate supplementation increases exercise endurance time in COPD patients using ambulatory oxygen
Matthew Pavitt (Billingshurst (West Sussex), United Kingdom), Adam P Lewis, Sara C Buttery, Bernadette O Fernandez, Monika Mikus-Lelinska, Martin Feelisch, Michael I Polkey, Nicholas S Hopkinson

PA4050 Using the volumetric capnography method in assessing the functional respiratory status of a patient with COPD
Irina Ponomareva (Ryazan, Russian Federation), Sergei Subbotin, Vladimir Abrosimov

PA4051 Assessment of the physical capacity in patients hospitalized with COPD
Mārtiņš Petrāns (Riga, Latvia), Madara Tirzīte

PA4052 Is the "Sit-to-stand test" a good tool for evaluating oxygen desaturation in COPD?
Ana Luisa Fernandes (Matosinhos, Portugal), Zita Camilo, Graciete Luís, Inês Neves, Jorge Ferreira, Paula Simão

PA4053 Maximal voluntary inspiratory breath holding time test in patients with chronic obstructive pulmonary disease
Azza Slim (tunis, Tunisia), Abir Hedhli, Sana Cheikh Rouhou, Nourelhouda Mbarek, Amir Taboubi, Safa Benkhaled, Yassine Ouahchi, Jouda Cherif, Meriem Mjid, Sonia Toujani, Samira Merai

PA4054 Multi-night continuous nocturnal oxygen saturation measurements in patients with COPD
Joren Buekers (Mol, Belgium), Jean-Marie Aerts, Jan Theunis, Anouk Vaes, Emiel Wouters, Martijn Spruit, Patrick De Boever

PA4055 Does the decrease in KCO go typically with DLCO decrease in obstructive pulmonary diseases? The relationship with DLCO, KCO, VA and VA/TLC in patients with COPD>
Esra Sönmez (Istanbul, Turkey), Gokhan Erdogan, Hisam Alahdab, Mehmet Atilla Uysal

PA4056 Cough reflex sensitivity in exacerbations of chronic obstructive pulmonary disease
Peter Siu Pan Cho (London, United Kingdom), Hannah V Fletcher, Irem S Patel, Caroline J Jolley, Richard D Turner, Surinder S Biring

PA4057 Peripheral muscle strength and COPD assessment test
Guilherme Bianzeno (Botucatu (SP), Brazil), José William Zucchi, Luiz Henrique Soares Machado, Amanda Lais Peralta, Laura Miranda De Oliveira Caram, Suzana Érico Tanni, Irma Godoy, Renata Ferrari

PA4058 COPD and Swallowing disorders: Clinical assessment by Fiberoptic Evaluation of Swallowing (FEES)
ANDRES FELIPE VILLABONA-RUEDA (Baltimore, United States of America), Gloria Marcela Estévez Ramírez, Heliberto Paez Quientro, Tania Mendoza Herrera, Olga Rosa Castillo Mier, Xiomara Alarcon Serrano, Jose Fernando Rojas Rodriguez, Jaime Leonardo Chacon Manosalva, Maria Angelica Chacon Manosalva, Javier Enrique Fajardo Rivero

- PA4059** **Signs of mental confusion and asterix in hypercapnic COPD patients are attributable to elevated blood levels of ammonia**
Stylianios Michaelides (Athens, Greece), Avgerinos-Romanos Michailidis, George Bablekos, Vlasios Skopas, Nikolaos Trakas, Nikolaos Koulouris
- PA4060** **Relationship between the integrity of the cell membrane and hypoxia with hypercapnia in patients with hospitalized cardiorespiratory failure**
Carmen Linette Olivo Villalobos (Mexico, Mexico), Dulce González, A Orea-Tejeda, R Sánchez-Santillán, G Dávila-Said, C Chávez-Méndez, V Peláez-Hernández, O Pérez-Bautista, M Rivera-Rodríguez, L Castillo-Aguilar, K Balderas-Muñoz, L Hernández-Urquieta
- PA4061** **Postoperative Pulmonary Complications in Bronchial Asthma/Chronic Obstructive Pulmonary Disease/Non-Pulmonary Disease Patients**
Mahsa Mirdamadi (Tehran, Islamic Republic of Iran), Hosnollah Sadeghi, Ali Safaei, Mahmood Salesi
- PA4062** **Correlation of spirometric value to 2D ECHO parameters for diagnosis of pulmonary hypertension in COPD**
Abhisheka Kumar (Patna (Bihar), India), Deependre Rai
- PA4063** **Impact of chronic obstructive pulmonary disease and heart failure on the phase angle in hospitalized subjects**
Giselle Victoria Dávila Said (Mexico, Mexico), Dulce González-Islas, Arturo Orea-Tejeda, Carmen Linette Olivo-Villalobos, Cloy Anahi Chávez-Méndez, Rocío Sánchez-Santillán, Luis Felipe Castillo-Aguilar, Viridiana Peláez-Hernández, Rogelio Pérez-Padilla, Rafael Hernández-Zenteno, Mónica Rivera-Rodríguez, Karla Balderas-Muñoz, Luis Hernández-Urquieta

TP-07

Session 428

12:50 - 14:40

Thematic poster: Biomarkers of COPD

Disease(s) : **Airway diseases** **Respiratory infections** **Respiratory infections**

Method(s) : Imaging Cell and molecular biology General respiratory patient care Physiology Epidemiology

Chairs : Andreas Rembert Koczulla (Marburg, Germany), Tiina Mattila (Helsinki, Finland), Marina Labor (Zagreb, Croatia)

- PA4064** **Late Breaking Abstract - Plasma endocan is over-expressed in AECOPD patients: association with lung function decline and apoptosis**
Luqi Dai (Chengdu, China), Liu Lian, Tao Wang, Dan Xu, Fuqiang Wen
- PA4065** **Late Breaking Abstract - Long-term variability of blood eosinophils in COPD patients by GOLD 2017 staging, and gender bias**
Joan B Soriano (Madrid, Spain), Maria T Pastor-Sanz, Elena García-Castillo, Emma Vázquez, Rosa Mar Gómez-Punter, Tamara Alonso, Julio Ancochea
- PA4066** **The role of serum IL6 in stable COPD patients**
Dora Marinova (Sofia, Bulgaria), Aleksandar Lilov, Yanina Slavova
- PA4067** **Blood Eosinophils Correlate With Severe Exacerbations in Frequent Exacerbator Phenotype of COPD**
Vipul Jain (Fresno, United States of America), Vipul Jain, Leena Jalota, Vinisha Prajapati, Dennis Allison, Ratnali Jain, Joseph Vempilly
- PA4068** **The impact of high eosinophil count on hospitalizations in COPD patients**
Burcu Arpınar Yigitbas (Istanbul, Turkey), Elif Yelda Niksarlıoğlu, Esra Yazar, Lutfiye Kılıç, Celal Satici, Seyma Ozden
- PA4069** **Changes in urinary biomarkers between stable state and exacerbation of COPD**
Ahmed Javid Yousuf (Oxford (Oxfordshire), United Kingdom), Gita Parekh, Annelise Duvoix, Sarah Parker, Jo Finch, Sarah Glover, Sarah Rees, Vijay Mistry, Liesl Carr, Paul Davis, Keir Lewis, Christopher Brightling
- PA4070** **The relationship between serum levels of Surfactant protein D in COPD exacerbation severity and mortality**
Fatma Esra Günaydin (Istanbul, Turkey), Nurdan Kalkan, Gülşah Günlüoğlu, Esma Nur Aktepe, Barış Demirkol, Thierry Sibomana, Sedat Altın
- PA4071** **VEGF serum levels in COPD patients without pulmonary hypertension – a case control study**
Ana Florica Chiş (Cluj-Napoca (Cluj), Romania), Olga Soritau, Andreea Catana, Monica Pop
- PA4072** **Blood MCP-1 levels are increased in chronic obstructive pulmonary disease with prevalent emphysema**
Antonino Di Stefano (Veruno (NO), Italy), Teresa Coccini, Elisa Roda, Cinzia Signorini, Bruno Balbi, Giuseppe Brunetti, Piero Ceriana
- PA4073** **Increased serum endotoxin levels as biomarker in acute exacerbations of COPD.**
Christian Herr (Homburg (Saar), Germany), Eva Papatsanis, Johanna Classen, Julia Demandt, Marilena Patalong-Dahm, Teresa Stegmaier, Christoph Beißwenger, Giovanna Vella, Felix Ritzmann, Franziska Trudzinski, Thai Dinh, Philipp Lepper, Sebastian Fährndrich, Robert Bals

- PA4074** **1 year RV/TLC change as a predictor of long term decline of FEV1**
In Ae Kim (Seoul, Republic of Korea), Yong Bum Park, Chin Kook Rhee, Young Il Hwang, Kwang Ha Yoo
- PA4075** **Exercise-induced desaturation and the functional status of patients with COPD**
Irina Ponomareva (Ryazan, Russian Federation), Alexey Kosyakov, Vladimir Abrosimov
- PA4076** **Association of serum uric acid levels and outcomes of patients with Chronic Obstructive Pulmonary Disease (COPD)**
John Ray Galamay (Quezon City, Philippines), Teresita De Guia, Ma. Encarnita Limpin
- PA4077** **Association of Hypoxia-Inducible Factor (HIF)-1 α and Asymmetric Dimethylarginine (ADMA) in patients with COPD and controls.**
Kriti Upadhyay (New Delhi (Delhi), India), Ashraf Ali, Bijay Pattnaik, Anurag Agarwal, Randeep Guleria
- PA4078** **Differences in expression profiles of serum microRNAs in women with mild to moderate COPD by biomass smoke exposure and tobacco smoke.**
Yadira Velasco (CDMX, Mexico), Julia Pérez, Martha Montaña, Oliver Pérez, Ivette Buendía, Ramcés Falfán, Victor Ruíz, Carlos Ramos
- PA4079** **Expression and function of IL-20 cytokines and their receptors on the airway epithelium during Chronic Obstructive Pulmonary Disease (COPD)**
Olivia BARADA (LILLE, France), Gwenola Kervoaze, Christelle Coraux, Myriam Polette, Gaetan Deslée, Muriel Pichavant, Philippe Gosset
- PA4080** **IL-18 and IL-10 in patients with occupational COPD, depending on the presence or absence of hypertension**
Anastasiya Melenevych (Kharkov, Ukraine)
- PA4081** **Relationship of HRCT-diagnosed emphysema and clinical features in COPD.**
Vanya Kostadinova (Varna, Bulgaria), Yordan Radkov, Temenuga Stoeva, Darina Miteva
- PA4082** **Interdisciplinary Pilot Project on Emphysema Quantification and Bronchial Wall Thickness assessment in COPD patients**
Blanka Ćuk (Zagreb, Croatia), Kristina Krpina, Ante Marušić, Ivona Markelić, Andrea Vukić Dugac, Sanja Popović Grle

TP-08

Session 429

12:50 - 14:40

Thematic poster: COPD exacerbations and bronchiectasis

Disease(s) : Respiratory infections Airway diseases Respiratory infections

Method(s) : Respiratory intensive care Cell and molecular biology Imaging Physiology Public health General respiratory patient care Epidemiology

Chairs : Melissa McDonnell (Oranmore (Co Galway), Ireland), Yelda Varol (Izmir, Turkey), Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom), Miriam Barrecheguren Fernandez (Barcelona, Spain)

- PA4083** **Late Breaking Abstract - Comparative real world effectiveness of triple therapy versus dual bronchodilation in frequently exacerbating patients with COPD**
Jaco Voorham (Lisboa, Portugal), Marjan Kerkhof, Mario Scuri, Stefano Vezzoli, Iliaria Valente, Alberto Papi, Claus Vogelmeier, David Singh, Leonardo Fabbri, Janwillem Kocks, David Price
- PA4084** **Late Breaking Abstract - Effect of obesity on progression of smokers without airflow obstruction to COPD**
Mehrdad Arjomandi (San Francisco, United States of America), Siyang Zeng, Chiung-Yu Huang, Paul Blanc
- PA4085** **Late Breaking Abstract - The association of osteoporosis with mortality and symptom burden in a COPD cohort. The HUNT Study, Norway.**
Sigrid Anna Vikjord (Levanger, Norway), Ben Michael Brumpton, Xiao-Mei Mai, Laxmi Bhatta, Arnulf Langhammer
- PA4086** **Late Breaking Abstract - Does medication exacerbate comorbidities in chronic obstructive pulmonary disease? A prevalence study of neuroleptic intake**
Vincent Cabibel (Montpellier, France), Nelly Héraud, Alain Varray, François Alexandre
- PA4087** **Late Breaking Abstract - Characteristics and treatment of patients with comorbid COPD and heart failure**
David Price (Singapore, Singapore), Ronan Ryan, Robert Fogel, Hui Cao, Janwillem W.H. Kocks, Piergiuseppe Agostoni, Chin Kook Rhee, John R. Hurst, Rupert Jones, Konstantinos Kostikas
- PA4088** **Late Breaking Abstract - Safety and immunogenicity of non-typeable H. influenzae (NTHi) and M. catarrhalis (Mcat) adjuvanted vaccines in adults**
Marco Testa (Siena, Italy), Pierre Van Damme, Geert Leroux-Roels, Corinne Vandermeulen, Iris De Ryck, Annaelisa Tasciotti, Marie Dozot, Luca Moraschini, Ashwani Kumar Arora

PA4089	Late Breaking Abstract - Safety and immunogenicity of non-typeable H. influenzae (NTHi) adjuvanted vaccine in older adults with chronic obstructive pulmonary disease (COPD) Marco Testa (Siena, Italy), Tom Wilkinson, Stuart Schembri, Christopher Brightling, Nawar Diar Bakerly, William Macnee, Lars Rombo, Jan Hedner, Martin Allen, Paul Walker, Iris De Ryck, Annaelisa Tasciotti, Daniela Casula, Ashwani Kumar Arora
PA4090	Late Breaking Abstract - Overlap of SGRQ and CAT-defined chronic mucus hypersecretion in the SPIROMICS cohort: implications for digital health Hana Müllerová (Uxbridge (Middlesex), United Kingdom), Marni Stott-Miller, Bruce E Miller, Aili L Lazaar, Maggie Tabberer, Céline El Baou, Tom Keeley, Fernando J Martinez, Meilan K Han, Ruth Tal-Singer
PA4091	The Aetiology of Acute Exacerbations in Chronic Obstructive Pulmonary Disease (AECOPD): A Systematic Literature Review (SLR) Hana Müllerová (Uxbridge (Middlesex), United Kingdom), Jessica Willson, Eveline Bunge, Katie Pascoe, Denisa King
PA4092	Bronchiectasis in exacerbation of COPD: differences between genders Elena Rodriguez Jimeno (Madrid, Spain), Gema Sánchez Muñoz, Alicia Oliva Ramos, Fernando Pedraza Serrano, Virginia Gallo González, Ana López De Andrés, Rodrigo Jiménez García, Valentín Hernández Barrera, Luis Puente Maestu, Javier De Miguel Díez
PA4093	Chronic obstructive pulmonary disease (COPD) patients with bronchiectasis: clinical features? Marwa Kacem (tunis, Tunisia), Imen Bachouche, Fatma Chermiti, Nidhal Belloumi, Yasmine Hdidène, Soraya Fenniche
PA4094	Clinical and exacerbation characteristics may predict treatment response in acute exacerbations of COPD Breda Cushen (Dublin 11, Ireland), Garrett Greene, Elaine Mac Hale, Lorraine Tompkins, Imran Sulaiman, Fiona Boland, Emer Kelly, Richard W Costello
PA4095	Bronchiectasis in COPD: increased susceptibility of the airways to aggressive agents? Monica Corso Pereira (Campinas (SP), Brazil), Silvia Ms Silva Doria, Marcos Melo Moreira, Paulo Roberto Tonidandel, Eduardo Melo De Capitani, Ilma A Paschoal
PA4096	Pneumonia in Chronic Obstructive Pulmonary Disease (COPD) - is it a separate entity? Abdi Ali (Wrexham (Clwyd), United Kingdom), Javed Ibrahim, Junaid Ali, Muneer Radzali, Jamal Ahmed, Harmesh Moudgil, Emma Crawford, Annabel Makan, Koottalai Srinivasan, Nawaid Ahmad
PA4097	Definition and characterization of an inflammatory phenotype in patients with COPD - results from the COSYCONET study Frederik Seiler (Saarbrücken, Germany), Franziska C. Trudzinski, Sebastian Fährndrich, Henrik Watz, Rudolf A. Jörres, Armin Koch, Tobias Welte, Claus F. Vogelmeier, Frank Biertz, Robert Bals
PA4098	Predictors of lung function decline: a retrospective study in COPD patients Francesco Spelta (Verona (VR), Italy), Michela Pizzini, Lucia Cazzoletti, Valentina Rigoni, Francesco Zamboni, Pietro Ferrari, Giorgia Zamboni, Marcello Ferrari
PA4099	Pathogenic bacteria for exacerbation of Chronic Obstructive Pulmonary Disease Yan Chen (Richmond (VIC), Australia), Lin Chen, Xue He, Tiao Li, Lijuan Luo
PA4100	Cytokines profile of blood and sputum in COPD exacerbation Sophia V. Nesterovich (Tomsk, Russian Federation), Ekaterina B. Bukreeva
TP-09	
Session 430	
12:50 - 14:40	
Thematic poster: Sarcoidosis, interstitial lung diseases and various clinical problems	
Disease(s) : Pulmonary vascular diseases Airway diseases Respiratory critical care Respiratory infections Interstitial lung diseases Thoracic oncology Respiratory infections	
Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care Surgery Cell and molecular biology General respiratory patient care Imaging	
Chairs : Maurizio Marvisi (Cremona (CR), Italy), Philippe Camus (Dijon, France), Sara Ramponi (Cingia de' Botti (CR), Italy), Veronica Alfieri (Parma (PR), Italy)	
PA4101	Late Breaking Abstract - The effectiveness of respiratory hot clinic service in two North West centers, UK Ran Wang (Manchester (Greater Manchester), United Kingdom), Yirong Lum, Aziza Abdul-Rashid, Sunitha Bethireddy, Thomas Lightburn, Ran Wang, Sharada Gudur, Syed Mehdi
PA4102	Evaluation of the relationship between personality characteristics with emotional intelligence in sarcoidosis patients Mitra Safa (TEHRAN, Islamic Republic of Iran), Arda Kiani, Fatemeh Ghassem Boroujerdi, Bamdad Mirab Zadeh Ardekani

- PA4103 Mycophenolate Mofetil as a corticosteroid- sparing agent in patients with sarcoidosis.**
Eleni Stagaki (Athens, Greece), Effrosyni D. Manali, Georgia Papadaki, Andriana I. Papaioannou, Ioanna Korbilla, Anastasia Papaporfyriou, Alina Giouleka, Maria Kallieri, Lykourgos Kolilekas, Christina Triantafyllidou, Spyridon Papiris
- PA4104 Thoracic sarcoidosis with heart damage**
Andrey Ilin (Blagoveshchensk (Amur Oblast), Russian Federation), Anatoliy Lenshin, Juliy Perelman
- PA4105 Alpha-1 Antitrypsin Deficiency at Pulmonology appointment in a central hospital**
Marta Sofia Nobre Pereira (S. Brás de Alportel, Portugal), Claudia Guerreiro, Djamilia Neves, Vanda Areias, Karl Cunha, Helena Ramos, Bruno Santos, Jose Contreras, Isabel Ruivo, Fernanda Nascimento, Ulisses Brito
- PA4106 Preparatory grief, anxiety and depression in IPF patients and their caregivers: A fuller picture of the psychological impact of IPF.**
Debra Reynolds-Sandford (Adelaide (SA), Australia), Hubertus Jersmann, Paul Reynolds, Bernhard Baune
- PA4107 Antimicrobial peptides in bronchoalveolar lavage in patients with chronic lung diseases**
Kristel Svalland Knudsen (Bergen, Norway), Sverre Lehmann, Rune Grønseth, Eli Nordeide, Abraham C. Van Der Linden, Pieter S Hiemstra, Tomas Mikal Lind Eagan
- PA4108 Tracking crackles of Interstitial Lung Disease during sleep.**
Gary Baker (Armidale (NSW), Australia), Mark Norman, Pierre Lonchamp, Colin Sullivan
- PA4109 Follow up of high-risk individuals with lung nodules identified on a CT-screening programme**
Marie Stolbrink (Liverpool (Merseyside), United Kingdom), Bryony Sedgwick, Rachel Penfold, Laura Root, Gareth Jones
- PA4110 Mutation analysis of Hereditary Hemorrhagic Telangiectasia disease among eastern Spanish population**
Gustavo Juan Samper (Valencia, Spain), Javier Milara Payá, Mercedes Ramon Capilla, Estrella Fernandez Fabrellas, Cristina Sabater Abad, Raquel Rodriguez Lopez, Goitzane Marcaida Benito, Carola Guzman Lujan
- PA4111 Evaluation of Pulmonary Complication in Patient with Valvular Heart Surgery: Clinical and Laboratory Significances**
Hasan Allah Sadeghi (Tehran, Islamic Republic of Iran), Behshid Ghadrdoost
- PA4112 Validity of Risk Calculator in predicting post operative respiratory failure in patients undergoing elective/emergency surgery at a tertiary care hospital in South India**
Surendran Aneeshkumar (Kollam (Kerala), India), L Sundararajan
- PA4113 Black pleural effusion as the presenting feature of lung cancer.**
Tiago Alfaro (Coimbra, Portugal), V Fernandes, C Cruz, C R Cordeiro
- PA4114 Care in the Last Days of Life and Carer Perspectives**
Ahmed Haque (Gillingham, United Kingdom), Lisa Vincent-Smith, Larisa Crisan, Andradamaria Bianu
- PA4115 Creating a successful medical team using Whatsapp(TM)**
Radu Adrian Crisan-Dabija (Iasi, Romania), Traian Mihaescu
- PA4116 Cavitory nodules in rheumatoid arthritis patients and their prognosis**
Derya Kocakaya (Istanbul, Turkey), Aysun Aksoy, Yasemin Yalçinkaya, Nevsun Inanç, Emel Eryüksel, Sait Karakurt
- PA4117 Respiratory manifestations in patients with systemic vasculitis with renal involvement in a tertiary hospital**
Stamatoula Tsirikika (Athens, Greece), Vasiliki Papanikolaou, Christalleni Christodoulidou, Stamatoula Gardikioti, Christina Vourlakou, Paraskevi Katsaounou, Spiros Zakynthinos, Theofanis Apostolou
- PA4118 Primary Pulmonary Amyloidosis**
Pelın Korkmaz (İstanbul Zeytinburnu, Turkey), Murat Kiyik, Aysin Durmaz, Naciye Mutlu, Huseyin Cem Tigin, Halide Nur Ürer, Kemal Karapınar
- PA4119 Association between diffusion capacity and endothelial function in patients with idiopathic pulmonary fibrosis**
Clyo Anahi Chávez Méndez (Mexico, Mexico), L Castillo-Aguilar, A Orea-Tejeda, D González-Islas, G Dávila-Said, C Olivo-Villalobos, M Mejía-Ávila, I Buendía-Roldán, E Navarro-Briseño, V Peláez-Herández, K Balderas-Muñoz, M Rivera-Rodriguez, L Hernández-Urquieta

TP-10

Session 431

12:50 - 14:40

Thematic poster: Pulmonary rehabilitation: exercise training, body composition, physical activity and other aspects

Disease(s) : Respiratory critical care Airway diseases Pulmonary vascular diseases

Method(s) : Respiratory intensive care Cell and molecular biology General respiratory patient care

Chairs : Claire M. Nolan (London, United Kingdom), Matthias Loeckx (Leuven, Belgium), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Alda Sofia Pires De Dias Marques (Aveiro, Portugal)

- PA4120 RELATIONSHIP BETWEEN SIX-MINUTE WALK DISTANCE, PULMONARY FUNCTIONS AND PATIENT CENTERED OUTCOMES IN PATIENTS WITH PULMONARY HYPERTENSION**
Pinar Odevoglu (Istanbul, Turkey), Goksen Kuran Aslan, Buket Akinci, Gulfer Okumus
-
- PA4121 Impact of Community Respiratory Team on individual hospital admissions and region based improvements.**
Jennifer Macfie (Glasgow (Glasgow), United Kingdom), Katy Levin, Marianne Milligan, Deborah Anderson, Hannah Bayes, David Anderson
-
- PA4122 2 days at the sea-side! Effects on anxiety and depression scores, Health Locus of Control (HLOC) and Patient's Global Impression of Change (PGIC) in COPD patients.**
Irene Salamun (Liège, Belgium), Delphine Nguyen Dang, Hélène Vancauwenberge, Audrey Vanhauzenhuysse, Hervé Debatty, Jean-Louis Corhay, Renaud Louis
-
- PA4123 Physical activity evolution measured by actimeter in COPD patients after a pulmonary rehabilitation.**
Trija Vaidya (NANTES, France), Camille Badatcheff, Agnes Bellocq, Frédéric Costes, Hakima Oukssel, Claire De Bisschop, Arnaud Chambellan
-
- PA4124 Association between muscle wasting and muscle strength in patients who developed severe sepsis and septic shock**
Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Rodrigo Borges, Francisco Soriano
-
- PA4125 Low FFMI in COPD patients undergoing pulmonary rehabilitation**
Tomaz Hafner (Kranj, Slovenia), Irena Sarc, Anja Grosej, Ziva Zdolsek, Barbara Zupanc, Tatjana Kosten
-
- PA4126 Prevalence of sarcopenia in Brazilian hospitalized and community-dwelling elderly**
Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Rodrigo Borges, Daniel Correa, Mariucha Borges, Lourdes Sampaio
-
- PA4127 Inspiratory muscle training with SpiroTiger-MEDICAL® in patients with diaphragmatic dysfunction**
Claudia Crimi (Catania (CT), Italy), Raffaele Campisi, Teresa Augelletti, Enrico Heffler, Antonio Ragusa, Nunzio Crimi
-
- PA4128 Understanding utilisation of Pulmonary Rehabilitation in Primary care: an online survey**
Jonathan P Fuld (Cambridge (Cambridgeshire), United Kingdom), Frances Early, Hena Haque, Patricia Wilson, Ian Wellwood, John Benson, Christi Deaton
-
- PA4129 Pedometer intervention to improve daily physical activity and QOL in patients with stable COPD including those with ACO.**
Yuko Sano (Tokyo, Japan), Rokuro Matsuoka, Yoko Sato, Shinobu Kimura, Syoji Mihara, Hajime Kurosawa
-
- PA4130 Evolving outcomes of tracheostomised patients requiring prolonged mechanical ventilation before and after implementation of a respiratory high-dependency unit in a tertiary care hospital.**
Bertrand Herer (Briis Sous Forges, France), Catherine Karanfilovic, Henri Maas, Hélène Jaillet, Christian Darné, Françoise Haniez
-
- PA4131 Comparative assessment of the qol specific parameters in children with bronchial asthma with standard pharmacotherapy, and in additional course of physiotherapy in the pool**
Natalya Alexandrovna Mokina (Samara (Samara Oblast), Russian Federation), Liliya Ilyinichna Mazur, Vasilij Fedorovich Pjatin, Igor Ivanovich Berezin, Egor Dmitrievich Mokin, Artem Konstantinovich Sergeev
-
- PA4132 Eosinophilic ratio in COPD and outcomes in pulmonary rehabilitation**
Mateus Schneider (Porto Alegre, Brazil), Daniela Gravina, Gabriel Siebiger, Lucas Carlesso, Juliessa Florian, Scheila Machado, Monica Oliveira, Paulo Teixeira
-
- PA4133 Effectiveness of a four-week rehabilitation program on changes in heart rate variability and physical performance in chronic obstructive pulmonary disease.**
Janos Tamas Varga (Budapest, Hungary), Botond Szucs, Mate Petrekanits
-
- PA4134 Post-exercise training serum from COPD patients induces atrophy of healthy human myotubes in vitro**
Matthias Catteau (Montpellier, France), Farès Gouzi, Léo Blervaque, Emilie Passerieux, Marine Blaquièrre, François Bughin, Nelly Héraud, Jacques Mercier, Maurice Hayot, Pascal Pomiès
-
- PA4135 No single system of Pulmonary Rehabilitation delivers for all Patients with COPD ?**
Michael Apps (Brentwood, United Kingdom), Kelly-Ann Keeling, Carole Goodrich, Honoria Olympio-Anang, Irene Young, Anna Kopacz, Kiran Sanger, Jan Minter, Tracy Gisby
-
- PA4136 Oxygen wristbands, a visual aid to aid patient safety**
Saagar Patel (Manchester (Greater Manchester), United Kingdom), Jaclyn Proctor, Safia Lakehal, Saif Haddad, Jenfier Marlow, Alex Jackson, Sonja Walker, Mithun Murthy

PA4137 Challenges faced by Pulmonologists in India in management of severe obstructive airways diseases (SOADs).
Komalkirti Apte (Pune (Maharashtra), India), Sushmeeta Chhowala, Sushma Jadhav, Jaideep Gogtay, Sundeep Salvi

PA4138 Influence of hypercapnia on the effect of non invasive ventilation during exercise in COPD patients
Pierre Labeix (Saint-Etienne, France), Mathieu Berger, Isabelle Court Fortune, Daniella Muti, Stephanie Ballereau-Chomette, Frederic Costes

PA4139 The effect of inspiratory muscle training on lung hyperinflation in COPD patients.
Natalia Meshcherykova (Moscow, Russian Federation), Andrey Belevsky, Alexander Cherniak

TP-11

Session 432

12:50 - 14:40

Thematic poster: Aspects of pulmonary rehabilitation and chronic care

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases Respiratory infections Respiratory infections

Method(s) : Epidemiology Physiology General respiratory patient care Imaging

Chairs : Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Neil Greening (Leicester (Leicestershire), United Kingdom), Carolyn Rochester (New Haven, United States of America), Maud Koopman (Maastricht, Netherlands)

PA4140 The efficiency of pulmonary re-rehabilitation
Ebru Karaçay Yeşiloğlu (Ankara, Turkey), İpek Candemir, Pınar Ergün, Dicle Kaymaz, Neşe Demir, Fatma Şengül

PA4141 The effect of community lung rehabilitation guidance on the quality of life of patients with COPD.
Fangbo Zhao (Changchun (Jilin), China), Shuang Wang, Hongjing Lin

PA4142 Severe legs symptoms at the end of a 6-min walk test: evidence of low physical activity in COPD?
Clara Martin Ontiyuelo (Sant Cugat del Vallès (Barcelona), Spain), Anna Rodó-Pin, Antonio Sancho Muñoz, Concepción Ballano Castro, Laura Gutiérrez Marín, Lluís Molina Ferragut, Joaquim Gea Guiral, Diego Agustín Rodríguez Chiaradía

PA4143 Obstructive sleep apnea syndrome in cardiac rehabilitation patients
David HUPIN (Saint-Etienne, France), Vincent Pichot, Mathieu Berger, Jérémy Raffin, Pierre Labeix, Delphine Maudoux, Jean-Claude Barthélémy, Frédéric Roche

PA4144 Objectively measured physical activity and sedentary behaviour of 287 individuals with COPD before starting pulmonary rehabilitation
Wolfgang Geidl (Erlangen, Germany), Johannes Carl, Samuel Cassar, Nicola Leibert, Michael Wittmann, Rupert Wagner, Konrad Schultz, Klaus Pfeifer

PA4145 Outcomes post hip fracture for patients with COPD
Lewis Buss (Nottingham, United Kingdom), Tricia Mckeever, Jessica Nightingale, Ralph Akyea, Benjamin Ollivere, Iain Moppett, Charlotte Bolton

PA4146 Applying the ESPEN definition of Malnutrition in patients with stable Chronic Pulmonary Obstructive Disease: associations with Mortality and Healthcare use at 2 years
Ester Marco Navarro (Barcelona, Spain), Monique Messaggi-Sartor, Vanessa Dávalos-Yerovi, Anna Guillén-Solà, Esther Barreiro, Diego A. Rodríguez, Eva M. Pascual, Dolores Sánchez-Rodríguez

PA4147 Impact of initiation of a home oxygen service on oxygen cylinder refills and use of urgent orders
Claire Davey (London, United Kingdom), Emma Barter, Jane Simpson

PA4148 Effect of Pulmonary Rehabilitation on Functional Exercise Capacity and Hypoxemia in Patients with Interstitial Lung Diseases: a retrospective study
Mauro Maniscalco (Napoli (NA), Italy), Salvatore Fuschillo, Alberto De Felice, Carlo Gaudiosi, Michele Martucci

PA4149 Anatomical and Functional Repercussions of Sequelae of Pulmonary Tuberculosis: Cross-Sectional Observational Study
Debora Scheucher (Uberlandia (MG), Brazil), Michelle Godoy Canazza Damian, Nicholas Godoy Canazza Damian, Maria Aparecida Gonçalves Gomes, Vinicius Pafume De Oliveira, Robinson Sabino Da Silva, Luiz Ricardo Goulart Filho, Thulio Marquez Cunha

PA4150 Impact of a long-term respiratory rehabilitation program on patients with COPD.
Pablo Mariscal Aguilar (Madrid, Spain), Jose Andres Tenes Mayen, Yolanda Martínez Abad, Raul Galera, Francisco García Rio, Rodolfo Alvarez Sala-Walther, Mercedes Marin, Carlos Carpio

PA4151 The effects of pulmonary rehabilitation in patients with Combined Pulmonary Fibrosis and Emphysema (CPFE)
Andriana Papaioannou (Vrilissia (Athens), Greece), Effrosyni Manali, Panagiotis Lyberopoulos, Anastasia Papaporfyriou, Maria Kallieri, Sotiris Gyftopoulos, Dimitrios Konstantonis, Eleni Stagaki, Georgia Papadaki, Konstantinos Kostikas, Roula Spetsioti, Ioannis Vogiatzis, Argyro Mazioti, Stelios Loukides, Spyros Papiris

- PA4152 Free diving-based breathing techniques in COPD Rehabilitation**
Morten Borg (Brabrand, Denmark), Tue Thastrup, Kurt Larsen, Ole Hilberg, Anders LøKke
- PA4153 Is integrated pulmonary and heart failure rehabilitation effective and safe in primary care?**
Alex Woodward (Leicester (Leicestershire), United Kingdom), Sudip Ghosh, Gillain Doe , Dave Clarke, Noel O'Kelly
- PA4154 Relationship between functional capacity, dynamic and static muscle function assessments in people with Chronic Obstructive Pulmonary Disease (COPD)**
Sarah Géphine (Ville de Québec, Canada), Erik Frykholm, André Nyberg, Kim-Ly Bui, Francois Maltais, Didier Saeu
- PA4155 What are the determinants in Patient Activation Scores in COPD?**
Freddy Frost (Liverpool, United Kingdom), Sarah Sibley, Alison Healey, Sam Pilsworth, Dennis Wat
- PA4156 Augmented reality glasses as a new tele-rehabilitation tool for home use: patients' perception and expectations**
Jose Cerdán de las Heras (Aarhus C, Denmark), Mikko Tulppo, Antti Kiviniemi, Ole Hilberg, Anders Løkke, Simo Ekholm, Elisabeth Bendstrup
- PA4157 Effectiveness of pulmonary rehabilitation initiated after exacerbation of Chronic Obstructive Pulmonary Disease**
Yavuz Havlucu (Manisa, Turkey), Tuğba Göktalay, Lale Cerrahoğlu, Necati Balcı, Arzu Yorgancıoğlu
- PA4158 Association of caregiver burden and depression in caregivers of patients with chronic respiratory failure secondary to advanced and end stage lung disease**
Sehnaz Olgun Yıldızeli (Istanbul, Turkey), Huseyin Arikan, Umut Kasapoglu, Derya Kocakaya, Emel Eryuksel, Berrin Ceyhan, Sait Karakurt
- PA4159 Patients profile and pulmonary rehabilitation in interstitial lung disease**
Genevieve Courteau Godmaire (Montreal, Canada), Méline Lalande-Gauthier, Bruno-Pierre Dubé, Julie Morisset, Claude Poirier

TP-12

Session 433

12:50 - 14:40

Thematic poster: Use of stents for tracheal stenosis

Disease(s) : Airway diseases Pulmonary vascular diseases Thoracic oncology Respiratory infections Respiratory infections

Method(s) : General respiratory patient care Respiratory intensive care Imaging Surgery Endoscopy and interventional pulmonology

Chairs : Johannes M.A. Daniels (Amsterdam, Netherlands), Jean-Michel Vergnon (Saint-Etienne, France), Kaid Darwiche (Essen, Germany), Charles-Hugo Marquette (Nice, France)

- PA4160 Long-term results of bronchoscopic cryotherapy for post-intubation tracheal stenosis**
Evangelos Balis (Zografou (Athens), Greece), Konstantinos Kotsifas, Nikolaos Tatsis, Angeliki Papanikolaou, Stavroula Boulia, Giolina Chrysou, George Boulbasakos
- PA4161 Comparison of silicon and metallic bifurcated stents in patients with malignant airway lesions**
Cengiz Özdemir (Malatya, Turkey), Sinem Nedime Sökücü, Levent Dalar
- PA4162 First Experience with Endobronchial Microwave Ablation (eMWA) of Malignant Airway Stenoses**
Marco Trigiani (Ghedi (BS), Italy), Margherita Innocenti, Sofia Romani, Michela Bezzi
- PA4163 Peak Expiratory Flow decrease signals relapse in patients with post intubation tracheal stenosis.**
Vassiliki Kossivaki (Athens, Greece), Philip Emmanouil, Vlasios Vitsas, Nikolaos Koufos, Ioannis Athanasopoulos, Nikolaos Koulouris, Grigorios Stratakos
- PA4164 Idiopathic tracheal stenosis, first experience with conservative treatment at high altitude, La Paz- Bolivia. Omar Hidalgo MD.interventional pulmonologist.Rodrigo PachecoMD.Thoracic surgeon Rita Villalobos MD.Anatomic pathologist.**
Omar Hidalgo Martinez (La Paz, Bolivia), Rodrigo Pacheco , Rita Villalobos
- PA4165 The predictors of liberation form mechanical ventilation in patients with acute respiratory failure due to malignant central airway obstruction after metallic airway stenting by flexible bronchoscopy**
Wen-Chien Cheng (Taichung, Taiwan), Chih-Yen Tu, Biing-Ru Wu, Chih-Yu Chen, Wei-Chun Chen, Wei-Chih Liao, Chia-Hung Chen
- PA4166 Bronchoscopic treatment of postintubation tracheal stenosis – A 20 year experience**
Cláudia Andreia Silva Freitas (Villa Nova de Gaia, Portugal), Filipa Soares Pires, Adelina Amorim, Maria Sucena, António Morais, Gabriela Fernandes, Adriana Magalhães
- PA4167 Biodegradable polydioxanone stent in the treatment of post-intubation and post-tracheotomy stenosis.**
Ludek Stehlik (Praha 4, Czech Republic), Vladislav Hytych, Pavel Horazdovsky , Martina Vasakova

- PA4168** **bronchoscopic cryo-ablation of endobronchial lung cancer: predictors of recanalization.**
Ahmed Shawky Ebrahim (Tanta, Egypt)
-
- PA4169** **A new metallic stent to treat benign lobar bronchus stenosis**
Kaid Darwiche (Essen, Germany), Ruediger Karpf-Wissel, Christian Taube, Faustina Funke, Jane Winantea
-
- PA4170** **Interventional bronchoscopy for malignant central airway obstruction: a 7 years cohort study in a french university hospital**
FLORENT THEVENET (DIJON, France), Nicolas Favrolt, Ayoub Zouak, Marjolaine Georges, Pascal Foucher, Philippe Camus, Philippe Bonniaud
-
- PA4171** **Bronchoscopic therapy of tracheal stenosis: comparative study of two periods.**
Vítězslav Kolek (Olomouc, Czech Republic), Edita Matlochová, Marek Szkorupa, Petr Jakubec, Stanislav Losse, Jaromir Zatloukal
-
- PA4172** **Comparison of two groups of patients with benign airway stenosis from 1998 - 2003 and 2014 - 2016 years**
Miloslav Marel (Praha 1, Czech Republic), Martin Trefny, Frantisek Petrik, Dmitry Rakita, Jana Kotrbova, Libor Fila
-
- PA4173** **Video case: Induction of a hydrothorax and retrograde methylene blue (MB) instillation to detect a bronchopleural fistula (BPF)**
Øystein Olav Stubhaug (Gjøvik, Norway), Astrid Kravdal
-
- PA4174** **Urgent airway management - experience of an interventional bronchoscopy team**
Daniela Patrícia Cunha Machado (Rio Tinto, Portugal), Catarina Marques, Filipa Lima, Daniel Coutinho, Sérgio Campainha, Ana Oliveira, Sofia Neves, José Almeida
-
- PA4175** **Primary racemose hemangioma of a bronchial artery complicating bronchial artery to pulmonary artery fistula with giant bronchial artery aneurysms**
Susumu Saito (Tiba, Japan), Yasuhiro Kamii, Mina Goti, Yuri Baba, Naoko Takahashi, Syunsuke Inaki, Masamichi Takagi, Kazuyoshi Kuwano
-
- PA4176** **Endoscopic treatment of benign tracheal stenosis: brief and long term results 15 years experience of a single centre**
Giacomo Cusumano (Catania (CT), Italy), Salvatore Bellofiore, Carmelo Riscica Lizzio, Rosalia Giarlotta, Alberto Terminella

TP-13

Session 434

12:50 - 14:40

Thematic poster: Bronchoscopy and transthoracic ultrasound

Disease(s) : [Airway diseases](#) [Thoracic oncology](#) [Respiratory critical care](#) [Respiratory infections](#) [Interstitial lung diseases](#) | [Pulmonary vascular diseases](#) [Respiratory infections](#)

Method(s) : Respiratory intensive care Imaging General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Prashant Nemichand Chhajer (Mumbai, India), Daniela Gompelmann (Heidelberg, Germany), Konstantina Kontogianni (Heidelberg, Germany), Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands)

- PA4177** **Optimal timing of bronchoscopy in patients with hemoptysis**
Michele Mondoni (Cremona (CR), Italy), Paolo Carlucci, Giuseppe Cipolla, Alessandro Fois, Stefano Gsparini, Silvia Marani, Sara Job, Fausta Alfano, Stefano Centanni, Giovanni Sotgiu
-
- PA4178** **Evaluation of ground-glass opacity cases diagnosed by bronchoscopy**
Kohei Okafuji (Tokyo, Japan), Atsushi Kitamura, Ryosuke Imai, Hiroaki Kanemura, Kenji Ishii, Ryosuke Tsugitomi, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
-
- PA4179** **Narrow Band Imaging: Advantages over white light bronchoscopy; Single center experience of 500 patients.**
Deepak Muthreja (Nagpur (Maharashtra), India), Rajesh Swarnakar, Anil Sontakke
-
- PA4180** **Immunocytological study of bronchioloalveolar lavage (BAL) in interstitial lung diseases (ILD) diagnosis**
Marioara Simon (Cluj-Napoca (Cluj), Romania), Antonia Harangus, Ioan Simon, Spasoje Popevic, Dragana Jovanovic
-
- PA4181** **Late Breaking Abstract - Diagnostic yield of combined pulmonary cryobiopsies and electromagnetic navigation for peripheral pulmonary lesions**
Olivier Taton (Brussels, Belgium), Olivier Taton
-
- PA4182** **Diagnostic Value of Imprint Cytology Evaluation in Bronchial Biopsies**
Filipa Ramalho Fernandes (Alcanena, Portugal), Jorge Dionísio, Didina Coelho, Rúben Roque, Fernando Cunha, Ambrus Szantho, Duro Da Costa

DEEP SEDATION: USE OF TARJET CONTROL INFUSION VERSUS ADMINISTRATION OF PROPOFOL IN CONTINUOUS PERFUSION DURING THE PERFORMANCE OF BRONCOSCOPES

PA4183 Blanca De Vega Sanchez (Valladolid, Spain), Ignacio Lobato Astiárraga, Carlos Disdier Vicente, Ana Maria Andrés Porrás, Stefania Soldarini, Claudia Iglesias Perez, Sofia Jaurrieta Largo, Maria Jose Chourio Estaba, Ana Isabel García Onieva, Santiago Antonio Juarros Martínez, Vicente Roig Figueroa

Pulmonary re-biopsy in non-small-cell lung cancer (NSCLC) locally advanced or metastatic with EGFR-T790M resistance.

PA4184 Elena Torricelli (Firenze (FI), Italy), Francesca Mazzoni, Valeria Pasini, Margherita Innocenti, Elena Bargagli, Lornezo Corbetta

Identification of the pattern of hypoventilation by respiratory signal monitor during the induction of bronchoscopic sedation

PA4185 Ting-Yu Lin (Taipei, Taiwan), Hau-Tieng Wu, Yu-Ting Lin, Han-Pin Kuo, Yu-Lun Lo

Predictors for bronchoalveolar lavage (BAL) recovery rates derived from preprocedural quantified computed tomography (CT)

PA4186 Frederik Trinkmann (Mannheim, Germany), Joshua Gawlitza, Holger Haubenreisser, Thomas Henzler, Martin Borggrefe, Stefan O. Schoenberg, Ibrahim Akin, Julia D. Michels

A randomized trial of navigational endosonographic ultrathin bronchoscopy versus thin bronchoscopy for the diagnosis of peripheral pulmonary lesions

PA4187 Masahide Oki (Nagoya, Japan), Hideo Saka, Fumihito Asano, Chiyo Kitagawa, Yoshihito Kogure, Masahiko Ando

Flexible bronchoscopy guided vocal cord biopsy under conscious sedation in special situations: An option to conventional biopsy techniques

PA4188 Abhinav Singla (Essen, Germany), Sheelu Srinivas, Nivedha Giridharan, Lakshmi Priya Srinivasan, Ravindra M. Mehta

Transbronchial biopsy from the upper lobes is associated with increased risk of iatrogenic pneumothorax.

PA4189 Michaela Parezová (Brno 39, Czech Republic), Vladimír Herout, Ivan Cundrle, Kristian Brat

Performance of a Novel Flexible 21G Peripheral TBNA Needle in Patients

PA4190 Anna Sczaniecka (Redmond, United States of America), Roberto Casal, Alexander Chen, Antoine Delage, Stefano Gasparini, Robb Krukltis, Stephen Lam, Maren Schuhmann, Alain Tremblay, Nichole Tripician Tanner, Xavier Gonzalez

Fiberoptic bronchoscopy in the upper airway

PA4191 Maria Del Carmen Fernandez Criado (Sevilla, Spain), Nuria Reyes Nuñez, Javier Gallego Borrego, Antonio Javier Cruz Medina, Cristina Carrasco Carrasco, Inmaculada Alfageme Michavila

LUNG TRANSTHORACIC ULTRASOUND (TUS) ELASTOGRAPHY: USEFULNESS IN THE STUDY OF PLEURO-PULMONARY IMAGES SUSPECTED OF MALIGNANCY

PA4192 Desiree Lozano Vicente (Murcia, Spain), Javier Perez Pallares, Mercedes Guillamon, María Del Mar Valdivia, Gema Diaz, Francisco Javier Bravo, Pedro García, Rocio Ibañez, Carlos Castillo, Pedro Menchón, Olga Meca, Jose Javier Martínez, Antonio Santa Cruz

A prospective cohort study of super selective Bronchial Artery Embolization for hemoptysis : efficacy and the differences between embolic materials

PA4193 Takashi Niwa (Ichinomiya, Japan), Shota Takehara, Kosuke Isomoto, Ryota Ohtoshi, Tae Iwasawa, Chihito Komaki, Takashi Ogura

Yield of ultrasound guided Tru-Cut biopsy of peripheral thoracic masses by pulmonologists

PA4194 Fouzia Raza (Quetta, Pakistan), Fouzia Raza, Syed Hidayatullah, Farooq Uighor, Shereen Khan

Contrast-enhanced chest sonography in the control of transthoracic cutting type needle biopsies

PA4195 Teodora Mihalova (, Bulgaria), Rossen Petkov, Dimitar Kostadinov, Yanina Slavova

The diagnostic value of EBUS-TBNA for small mediastinal and hilar lymph nodes.

PA4196 Upul Pathirana (Kurunegala, Sri Lanka), Damith Rodrigo, Jaymin Morjaria

TP-14

Session 435

12:50 - 14:40

Thematic poster: Primary care management of asthmaDisease(s) : **Airway diseases**

Method(s) : Epidemiology Public health General respiratory patient care

Chairs : Corina de Jong (Groningen, Netherlands), Janwillem W. H. Kocks (Groningen, Netherlands), Chris Newby (Leicester (Leicestershire), United Kingdom), Björn Stållberg (Uppsala, Sweden)

PA4197 The impact of different reference standards when estimating the accuracy of tests for diagnosing asthma

Luke Daines (Edinburgh (Edinburgh), United Kingdom), Hilary Pinnock, Steff Lewis, Aziz Sheikh, Antonius Schneider

- PA4198 Contribution of four pulmonary function tests to diagnosis in the primary care.**
Maria Gabrovskaja (Baal, Belgium), Henry-Alexandre Bourgeno, Vincent Ninane
-
- PA4199 Capabilities of electronic monitoring of auscultatory phenomena in patients with broncho-pulmonary pathology**
Helena Binetskaya (Minsk, Belarus), Elena Lapteva, Irina Kovalenko, Anatoly Laptev, Elena Katibnikova, Mansur Elzbur, Alexey Karankevich, Vitali Dubinetski, Olga Kharevich
-
- PA4200 Establishing an asthma cutpoint for the 'Control of allergic rhinitis and asthma test' using an international survey**
Corina de Jong (Groningen, Netherlands), Bertine Flokstra - De Blok, Hendrik Jan Baretta, Ellen Van Heijst, Thys Van Der Molen, Ioanna Tsiligianni, Joao Fonseca, Janwillem Kocks
-
- PA4201 Wide variation in practices for measuring respiratory rate in children**
Will Daw (Sheffield (South Yorkshire), United Kingdom), Ruth Kingshott, Heather Elphick
-
- PA4202 The evaluation of asthma control by pulmonologists: Preliminary results**
Mehmet Atilla Uysal (Istanbul, Turkey), Sacide Rana Isik, Dilsad Mungan, Elif Yelda Niksarlioglu, Gulfem Elif Celik, Ali Fuat Kalyoncu, Carole Phan (phan.carole@gmail.com / INSERM UMR_S 999, Université Paris-Sud, LE PLESSIS-ROBINSON), Scott Collum (scott.d.collum@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Ning-Yuan Chen (ning-yuan.chen@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Jonathan Davies (jldavies@texaschildrens.org / Department of Pediatrics, Baylor College of Medicine, Houston), Ashrith Guha (gashrith@houstonmethodist.org / Debaquey Heart & Vascular Center, Houston Methodist Hospital, Houston), Holger Eltzschig (holger.eltzschig@uth.tmc.edu / Department of Anaesthesiology, McGovern Medical School, UTHealth, Houston), Michael Blackburn (michael.r.blackburn@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Christophe Guignabert (guignabert@gmail.com / INSERM UMR_S 999, Université Paris-Sud, Houston), Harry Karmouty-Quintana (harry.karmouty@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston)
-
- PA4203 Towards a new inhaler instruction method based on based findings from the Inhaler Research Workgroup study**
Esther I. Metting (Groningen, Netherlands), Paul Hagedoorn, Siebrig Schokker, Ellen Van Heijst, Titia Klemmeier, Marion Steurs, Rozemarijn Ettema, Kim Burger, Miguel Roman Rodriguez, Ioanna Tsiligianni, Thys Van Der Molen, Janwillem Kocks
-
- PA4204 Primary care prescribing habits for asthma in England 2007–15: are we following the guidelines?**
John D Blakey (Liverpool (Merseyside), United Kingdom), Mariel G Slater, Alicia Gayle, Michael Baldwin
-
- PA4205 A review of asthma care in 50 general practices in Bedfordshire, United Kingdom.**
Mark L. Levy (London, United Kingdom), Fiona Garnett, Adedayo Kuku, Inna Pertsovskaya, Eddie Mcknight, John Haughney
-
- PA4206 Management of children and young people (CYP) in London with asthma: a clinical audit report.**
Mark L. Levy (London, United Kingdom), Angela Ward, Sara Nelson
-
- PA4207 Asthma treatment in real life**
Esmé J. Baan (Rotterdam, Netherlands), Leila Karimi, Astrid Heeremans, Guy G. Brusselle, Miriam Sturkenboom, Hettie M. Janssens, Lies Lahousse, Katia M Verhamme
-
- PA4208 Step-Down of ICS in stable asthmatics in primary care: An observational study**
Kevin Gruffydd-Jones (Wokingham (Berkshire), United Kingdom)
-
- PA4209 Eligibility for referral to specialist asthma clinics in England: a national database study**
John D Blakey (Liverpool (Merseyside), United Kingdom), Alicia Gayle, Mariel G Slater, Michael Baldwin
-
- PA4210 Do Malaysian asthma patients use asthma action plan? A cross sectional study in Malaysian primary care setting.**
Hani Salim (Selangor, Malaysia), Ping Yein Lee, Sazlina Shariff Ghazali, Ai Theng Cheong, Hilary Pinnock, Noor Harzana Harrun, Salbiah Mohamed Isa, Junita Aris, Vengketeswara Rao Seetharaman, Salmah Nordin, Maimunah Mahmud, Yeow Siong Lee
-
- PA4211 Exploring supported self-management practices of healthcare professionals for South Asian patients with asthma**
Salina Ahmed (London, United Kingdom), Hilary Pinnock, Stephanie Taylor, Liz Steed
-
- PA4212 Perceptions among primary care staff towards financial incentives to promote implementation of asthma self-management: a qualitative study in Northern Ireland**
Tracy Jackson (Edinburgh (Edinburgh), United Kingdom), Marilyn Kendall, Liam Heaney, Mike Shields, Hilary Pinnock
-
- PA4213 Paediatric asthma communication and education training for pharmacy students**
Amanda Elaro (Sydney (NSW), Australia), Smita Shah, Bandana Saini, Carol Armour, Sinthia Bosnic-Anticevich
-
- PA4214 Critical implementation factors to lung-interventions in low-resource-settings – a FRESH AIR systematic review**
Evelyn Brakema (Amsterdam, Netherlands), Debbie Vermond, Rianne Van Der Kleij, Asel Arykbaeva, Marise Kasteleyn, Mattijs Numans, Niels Chavannes

PA4215 **The silent socioeconomic impact of COPD/asthma in Africa, Asia and Europe – a FRESH AIR study**
Evelyn Brakema (Amsterdam, Netherlands), Aizhamal Tabyshova, Rianne Van Der Kleij, Talant Sooronbaev, Christos Lionis, Marilena Anastasaki, Pham Le An, Nguyen Than Luan, Bruce Kirenga, Simon Walusimbi, Maarten Postma, Niels Chavannes, Job Van Boven

PA4216 **The impact of asthma and/or COPD on work absence**
Job F.M. van Boven (Groningen, Netherlands), Boudewijn Dierick, Bertine Flokstra-De Blok, Thys Van Der Molen, Nuria Toledo-Pons, Miguel Roman-Rodriguez, Borja G. Cosio, Joan B. Soriano, Janwillem W.H. Kocks

TP-15 **Session 436** **12:50 - 14:40**

Thematic poster: Genetics in chronic pulmonary diseases

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections Thoracic oncology Respiratory infections

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology

Chairs : Guillaume Beltramo (Dijon, France), Arnaud Mailleux (Paris, France), Sukhwinder Singh Sohal (Launceston (TAS), Australia), Chair to be confirmed

PA4217 **Late Breaking Abstract - Endobronchial gene-expression clustering in COPD identifies a subgroup with higher level of lymphocytes and accelerated lung function decline**
Orestes Carpaij (Groningen, Netherlands), Alen Faiz, Jeunard Boekhoudt, Judith Vonk, Wim Timens, Huib Kerstjens, Gaik Tew, Grimbaldston Michele, Pieter Hiemstra, Victor Guryev, Corry-Anke Brandsma, Maarten Van Den Berge

PA4218 **Genetic and epigenetic analysis of the 17q12-21 locus in the Saguenay-Lac-Saint-Jean (SLSJ) asthma familial cohort.**
Lucile Pain (Chicouimi, Canada), AndréAnne Morin, Anne-Marie Boucher-Lafleur, Jolyane Meloche, Catherine Laprise

PA4219 **The role of genes IL10 (rs1800872) and TNF (rs2239704) in the pathogenesis of bronchial asthma and tuberculosis**
Irina Zhalsanova (Tomsk, Russian Federation), Elena Bragina, Maxim Freidin, Nadezhda Babushkina, Anna Garaeva, Olga Kolokolova, Densema Gomboeva, Nataliya Tarasenko, Valery Puzyrev

PA4220 **Clinical and transcriptomic profiles of severe asthmatics with high or low expression of the glucocorticoid receptor and importin-7.**
Pankaj Bhavsar (London, United Kingdom), Ranga Mullegama, Stelios Pavlidis, Kian Fan Chung, Ian Adcock

PA4221 **-444 A/C polymorphism in the leukotriene-C4 synthase gene in patients with bronchial asthma**
Vladyslava Kmyta (Sumy, Ukraine), Nataliia Cherednichenko, Liudmyla Prystupa

PA4222 **Genetic association of circadian clock genes and the risk of childhood asthma**
Wojciech Langwiński (Poznan, Poland), Paulina Sobkowiak, Beata Narozna, Irena Wojsyk-Banaszak, Monika Dmitrzak-Weglarz, Anna Breborowicz, Aleksandra Szczepankiewicz

PA4223 **The role of GSTT1 and GSTM1 gene polymorphisms in bronchial asthma**
Margarida Castro (Lisbon, Portugal), Joana Ferreira, David Sarmento, Carla Carvalho, Andreia Matos, Manuel Bicho

PA4224 **The detection of EGFR mutations in liquid biopsy by allele-specific qPCR – the comparative evaluation of two common diagnostic tests**
Adam Szpechcinski (Warszawa, Poland), Katarzyna Duk, Piotr Wojcik, Maciej Bryl, Piotr Rudzinski, Wlodzimierz Kupis, Grzegorz Czyzewicz, Piotr Kopinski, Tadeusz Orłowski, Joanna Chorostowska-Wynimko

PA4225 **Utilisation of biomarker testing to guide therapy in non-small cell lung cancer in a regional lung cancer service**
vijayalakshmi karunanithi (Stevenage (Hertfordshire), United Kingdom), Thida Win

PA4226 **The predictive role of TLR4 +3725 G/C polymorphism in community-acquired pneumonia (CAP) severity course among young respondents with cytomegaloviral persistence (CMVP)**
Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Larisa Moroz, Tetyana Konstantynovych

PA4227 **New inbred mouse strains for the studying M. tuberculosis – host interactions**
Boris Nikonenko (Moscow, Russian Federation), Nadezhda Logunova, Irina Bocharova, Alexander Apt

PA4228 **High-Coverage Whole Exome Sequencing Identifies Novel Frameshift Deletion of LRBA Gene in Monozygotic Twin with Common Variable Immunodeficiency.**
Asiah Kassim (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Adiratna Mat Ripen, Hamidah Ghani, Chai Teng Chear, Saharuddin Mohamad

PA4229 **Mechanical cyclic stretch of the respiration and in vitro microvascular remodeling**
Soheila Zeinali (Bern, Switzerland), Emily K. Thompson, Thomas Geiser, Olivier T. Guenat

- PA4230** **Age-related gene and microRNA expression changes in the airways of healthy individuals**
Roy R. Woldhuis (Groningen, Netherlands), Jennie Ong, Ilse M. Boudewijn, Anke Van Den Berg, Joost L. Kluiver, Klaas Kok, Martijn M. Terpstra, Victor Guryev, Maaïke De Vries, Corneel J. Vermeulen, Wim Timens, Maarten Van Den Berge, Corry-Anke Brandsma
- PA4231** **Premature aging in Zmpste24 deficient mice protects them from bleomycin induced lung fibrosis through upregulation of antifibrotic microRNAs**
Annie Pardo (México D.F, Mexico), Jazmin Calyeca, Raul J Olmos, Rogelio Jasso, Yalbi Balderas-Martínez, Quetzali Rivera, Moises Eduardo Selman Lama
- PA4232** **PD-L1 expression on alveolar macrophages and in plasma of IPF patients – original research**
Dragana M. Jovanović (Beograd, Republic of Serbia), Jelena Kotur-Stevuljević, Jelena Marković, Olivera Lončarević, Marioara Simon, Marina Roksandić-Milenković, Ivana Vukanić, Milica Kontić, Natalija Samardžić, Vesna Čeriman, Spasoje Popević, Sofija Glumac, Vesna Škodrić-Trifunović, Sanja Škodrić-Radojević, Branislav Ilić
- PA4233** **HLA class II alleles and haplotypes are associated to the presence autoantibodies and mortality in Hypersensitivity Pneumonitis patients.**
Ramcés Falfán Valencia (Mexico, Mexico), Ivette Buendía-Roldán, Luis Santiago-Ruiz, Gloria Pérez-Rubio, Enrique Ambrocio-Ortiz, Mayra Mejía, Geovanni Benítez, Martha Montaña, Moisés Selman
- PA4234** **A disintegrin and metalloproteinase with thrombospondin motifs 18 (ADAMTS18) is a novel regulator of BPD**
Tiantian Lu (Shanghai , China), Ning Yang, Bi-Sen Ding, Suying Dang, Wei Zhang

TP-16

Session 437

12:50 - 14:40

Thematic poster: COPD: immune regulation and therapeutic targetsDisease(s) : **Airway diseases** **Respiratory infections** **Respiratory infections**

Method(s) : Cell and molecular biology

Chairs : Robert Bals (Homburg (Saar), Germany), Colin Bingle (Sheffield (South Yorkshire), United Kingdom), Ilona Elisabeth Kammerl (München, Germany), Gimano Amatngalim (Utrecht, Netherlands)

- PA4235** **Eicosanoids and eosinophilic inflammation of airways in stable COPD.**
Natalia Celejewska-Wójcik (Kraków, Poland), Aleksander Kania, Karolina Górka, Paweł Nastałek, Anna Gielicz, Lucyna Mastalerz, Marek Sanak, Krzysztof Śladek
- PA4236** **Differential inflammasome activation in alveoli and bronchioles in response to cigarette smoke or double stranded DNA**
Sandra Hodge (Adelaide (SA), Australia), Tran Hai, Eugene Roscioli, Rhys Hamon, Miranda Ween, Greg Hodge, Hubertus Jersmann
- PA4237** **Characterization of Microparticles in the lung of smokers**
Erica Bazzan (Padova (PD), Italy), Claudia Maria Radu, Graziella Turato, Mariaenrica Tinè, Davide Biondini, Marco Damin, Paolo Simioni, Manuel Cosio, Marina Saetta
- PA4238** **Tiotropium inhibits acetylcholine-induced generation of proinflammatory microparticles by human pulmonary epithelial cells**
Tommaso Neri (Pisa (PI), Italy), Valentina Scalise, Ilaria Passalacqua, Roberto Pedrinelli, Pierluigi Paggiaro, Alessandro Celi
- PA4239** **COPD-related epithelial inflammation drives EMT in primary epithelial ALI-cultures**
François Carlier (Watermael-Boitsfort, Belgium), Bruno Detry, Yves Sibille, Charles Pilette
- PA4240** **Enhanced adverse health effects upon in vivo exposure to multi-walled carbon nanotubes in chronic obstructive pulmonary disease**
Fabian Blank (Bern, Switzerland), Seraina Beyeler, Carlos Wotzkow, Amanuel Sengal, Peter Wick, Stefan Tschanz, Beat Haenni, Christophe Von Garnier
- PA4241** **Lung cells from people with COPD are hyperresponsive to E-cigarette vapour**
Jack Bozier (Glebe, Australia), Dia Xenaki, Ian Adcock, Brian Oliver
- PA4242** **Cigarette smoking and high fat diet combination: a multi-organ approach to decipher their impact on health**
Gaëlle Rémy (Lille Cedex, France), Jeanne Alard, Emilie Dubois-Deruy, Morgane Baron, Corinne Grangette, Florence Pinet, Isabelle Wolowczuk, Philippe Gosset, Muriel Pichavant
- PA4243** **Primary human bronchial epithelial cell responses to diesel and novel biodiesel emissions**
Annalicia Vaughan (Arana Hills, Australia), Svetlana Stevanovic, Mohammad Jafari, Rayleen Bowman, Kwun Fong, Zoran Ristovski, Ian Yang

- PA4244** **Bifidobacterium breve significantly reduces cigarette smoke-induced COPD in C57Bl/6 mice**
Flavio Aimbire (Sao Jose Dos Campos (SP), Brazil), Jorge Luis Carvalho, Ana Karolina Sá, Aurileia Britto, Munique Ferreira, Elen Anatriello, Alexandre Keller
- PA4245** **The Effect of Cordycepin and Simvastatin on Cigarettes Smoke Extract Induced Cytokine and Chemokine Production in Human Bronchial Epithelial Cells**
Mohammed Alshehri (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Abdullah Alqarni, Alice Pasini, Linhua Pang
- PA4246** **RAGE Partially Mediates Cigarettes Smoke Extract induced Cytokine and Chemokine Production in Human Bronchial Epithelial Cells**
Mohammed Alshehri (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Abdullah Alqarni, Alice Pasini, Linhua Pang
- PA4247** **Vanadium pentoxide induced epithelial innate cytokines IL-25, IL-33, and thymic stromal lymphopoietin (TSLP) through activating MAPK pathway**
Ching-Hsiung Lin (Changhua City, Taiwan), Sheng-Hao Lin, Yi-Rong Li, Hsiu-Hui Chang, Yu-Yun Ching
- PA4248** **Activation of MAPKs in bronchial-epithelial NCI-H292 cells co-treated with extracellular Hsp70 and bacterial components or cigarette smoke extract**
Anita Somborac Bačura (Zagreb, Croatia), Andrea Hulina, Marija Grdić Rajković, Andrea Čeri, Sanja Popović-Grle, Lada Rumora
- PA4249** **Extracellular Hsp70 modulates inflammatory response in PBEC cells from COPD patients**
Andrea Hulina Tomašković (Zagreb, Croatia), Lada Rumora, Miroslav Samaržija, Marnix Jonker, Irene Heijink
- PA4250** **Combined effect of extracellular Hsp70 and cigarette smoke extract on cytokine secretion from bronchial-epithelial NCI-H292 cell line**
Marija Grdić Rajković (Zagreb, Croatia), Andrea Hulina, Anita Somborac Bačura, Dubravko Jelić, Andrea Vukić Dugac, Lada Rumora
- PA4251** **TGF-β1 affects epithelial vitamin D metabolism and expression of host defence peptides**
Jasmijn A. Schrupf (Leiden, Netherlands), Dennis K. Ninaber, Anne M. Van Der Does, Pieter S. Hiemstra
- PA4252** **The effect of dietary fatty acids on inflammation in primary lung mesenchymal cells**
Sandra Rutting (Sydney (NSW), Australia), Jay Horvat, Lisa Wood, Phil Hansbro, Brian Oliver
- PA4253** **RAGE blocking ameliorates cigarette smoke extract-induced human alveolar type II epithelial cell injury via RAGE-mediated redox sensitive DAMP signaling through Nrf2**
Hanbyeol Lee (Chuncheon, Republic of Korea), Jooyeon Lee, Se-Ran Yang
- PA4254** **BPI Fold-Containing Family A Member 1 (BPIFA1) regulates lung neutrophil recruitment and interferon signaling during acute inflammation**
Sara Khanal (new haven, United States of America), Naiqian Niu, Luai Huleihel, Jose Herazo-Maya, Naftali Kaminski, Lauren Cohn, Clemente Britto

TP-17

Session 438

12:50 - 14:40

Thematic poster: COPD: novel pathological mechanisms in the airway epitheliumDisease(s) : **Airway diseases** **Interstitial lung diseases** **Respiratory critical care**

Method(s) : Physiology Public health Cell and molecular biology

Chairs : Anne M. van der Does (Leiden, Netherlands), Christoph Beisswenger (Homburg (Saar), Germany), Machteld N. Hylkema (NH Haren, Netherlands), Serena Di Vincenzo (Palermo (PA), Italy)

- PA4255** **LSC - 2018 - Characterization of decellularized COPD lung matrices using mass spectrometry proteomics**
Darcy Wagner (Lund, Sweden), Franziska Uhl, Barbora Zvarova (Barbora.Zvarova@uvm.edu / University of Vermont, College of Medicine, Burlington, VT), Bethany Ahlers (Bethany.Ahlers@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Catrina Hood (Catrina.Hood@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Bin Deng (Bin.Deng@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Ying-Wai Lam (Ying-Wai.Lam@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Erica Beatman (BeatmanE@NJHealth.org / National Jewish Health, Denver, CO), Kelly Schweitzer (SchweitzerK@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Irina Petrache (Petrachel@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Daniel Weiss (daniel.weiss@uvm.edu / University of Vermont, College of Medicine, Burlington, VT), Darcy Wagner (darcy.wagner@med.lu.se / Lund University, Lund)
- PA4256** **Protease anti-protease imbalance and small airways disease in COPD**
Naoya Tanabe (Kyoto, Japan), Atsuyasu Sato, Tatsushi Mizutani, Yoko Hamakawa, Kiyoshi Uemasu, Susumu Sato, Shigeo Muro, Toyohiro Hirai

- PA4257** **MMP-12 activates protease activated receptor (PAR)-1, upregulates placenta growth factor and leads to pulmonary emphysema**
Hsin-Han Hou (Taipei, Taiwan), Hao-Chien Wang, Chong-Jen Yu
- PA4258** **Supervising differentiation for tailoring the airway epithelial cell phenotype**
Charlotte Vernisse (Montpellier, France), Noemie Drappier, Aurelie Fort, Lucie Knabe, Isabelle Vachier, Delphine Gras, Pascal Chanez, Engi Ahmed, Arnaud Bourdin
- PA4259** **Change of secretory activity of goblet cells of bronchial epithelium in asthma patients in response to cold airway challenge**
Juliya M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prikhodko, Sergey V. Zinoviev, Artem V. Kolosov, Xiangdong Zhou, Qi Li, Elena V. Ushakova
- PA4260** **Investigating epithelial plasticity following cigarette smoke exposure in primary human bronchial epithelium**
Kristine Nishida (Baltimore, United States of America), Kristine Nishida, Si Chen, Jennifer Nguyen, Allison Keller, Vanshika Agarwal, Venkataramana Sidhaye
- PA4261** **The effect of anticancer drugs on mucociliary clearance of bronchial ciliary cells in mice**
Nobuyo Tamiya (Kyoto, Japan), Shigekuni Hosogi, Takashi Nakahari, Yoshinori Marunaka, Koichi Takayama
- PA4262** **Cigarette smoke induces mitochondrial dysfunction via PKCd-p66Shc signaling pathway in human bronchial epithelial cells**
Ming Zhang (, China), Ming ZHANG (, China), Yali Li, Jingjing Tang, Jie Zhang, Xia Yang, Hu Shan, Qihong Zhang
- PA4263** **Iron Oxide and Titanium Dioxide Nanoparticles Reduce Alveolar Epithelial Cell Stiffening and Contraction Forces**
Isaac Almendros (Barcelona, Spain), Vinicius R Oliveira, Juan J Uriarte, Walter Zin, Daniel Navajas, Ramon Farré
- PA4264** **Junctional modulation by lipopolysaccharide on epithelial damage caused by diesel exhaust particles**
Nahyun Kim (Seoul, Republic of Korea), Moo Kyun Park
- PA4265** **Therapeutic effect of small molecule C in experimental COPD model**
Jooyeon Lee (Chuncheon-si, Gangwon-do, Republic of Korea), Hanbyeol Lee, Se-Ran Yang
- PA4266** **Creatine Supplementation Augments Chronic Allergic Airway Inflammation and Remodelling: from Mice to Human Evidence**
Monique Garcia (São Paulo, Brazil), Alana Santos-Dias, Adilson Santos Andrade-Souza, Manoel Carneiro Oliveira-Junior, Sérgio César-Ferreira, Francine Maria Almeida, Nicole Cristine Rigonato-Oliveira, Ana Paula Ligeiro Oliveira, Timo Siepmann, Marco Idzko, Tobias Müller, Rodolfo Paula Vieira
- PA4267** **ADAM17 protects mice against elastase-induced emphysema via inactivation of CD62L**
Shoji Suzuki (Tokyo, Japan), Makoto Ishii, Takanori Asakura, Ho Namkoong, Satoshi Okamori, Kazuma Yagi, Hirofumi Kamata, Tatsuya Kusumoto, Shizuko Kagawa, Ahmed Hegab, Keisuke Horiuchi, Naoki Hasegawa, Tomoko Betsuyaku
- PA4268** **Cigarette smoking induced elevated CXCL5 levels in BALF and plasma of patients with COPD**
Jun CHEN (, China), Tao Wang, Luqi Dai, Fuqiang Wen
- PA4269** **Anti-inflammatory effect of hypoxic signaling suppression in the severe COPD model.**
Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Elena Lebedeva
- PA4270** **Altered protein turnover signaling and myogenesis during impaired recovery of inflammation-induced muscle atrophy in emphysematous mice**
Ramon C.J. Langen (Maastricht, Netherlands), Judith J.M. Ceelen, Anita E.M. Kneppers, Chiel C. De Theije, Stefan J. Van Hoof, Frank Verhaegen, Annemie M.W.J. Schols
- PA4271** **Extracellular matrix glycosaminoglycans can predict severity and outcome in COPD**
Eleni Papakonstantinou (Thessaloniki, Greece), Ioannis Bonovolias, George Karakiulakis, Michael Tamm, Renaud Louis, Branislava Milenkovic, Wim Boersma, Konstantinos Kostikas, Francesco Blassi, Joachim Aerts, Gernot Rohde, Alicia Lacoma, Antoni Torres, Tobias Welte, Daiana Stolz
- PA4272** **Cigarette smoke induces overexpression of cathepsin S in active smokers with and without COPD**
Mylène Wartenberg (Tours, France), Pierre-Marie Andrault, Andrea C. Schamberger, Thibault Chazeirat, Damien Sizaret, Justine Renault, Agnès Petit, Ahlame Saidi, Serge Guyetant, Yves Courty, Oliver Eickelberg, Gilles Lalmanach, Fabien Lecaille
- PA4273** **AGER gene expression and alternative splicing in bronchial biopsies of smokers and non-smokers**
Simon D. Pouwels (Groningen, Netherlands), Cornelis J. Vermeulen, Victor Guryev, Maarten Van Den Berge, Nick H.T. Ten Hacken, Alen Faiz

- PA4274 Impairment of lung organoid formation by cigarette smoke treatment of mesenchymal cells**
Padmini P. S. J. Khedoe (Den Haag, Netherlands), John-Poul Ng-Blichfeldt, Annemarie Van Schadewijk, Stefan J. Marciniak, Melanie Koenigshoff, Reinoud Gosens, Jan Stolk, Pieter S. Hiemstra

TP-18

Session 439

12:50 - 14:40

Thematic poster: Role of microbial exposure and inflammation in lung injury

Disease(s) : Respiratory critical care Respiratory infections Airway diseases Sleep and breathing disorders Pulmonary vascular diseases Interstitial lung diseases Respiratory infections

Method(s) : Physiology General respiratory patient care Respiratory intensive care Cell and molecular biology

Chairs : Rahul Mahida (Birmingham (West Midlands), United Kingdom), Martin Witzernath (Berlin, Germany)

- PA4275 LSC - 2018 - Guidance cues in the pulmonary environment propel in vivo dynamic movement of group 2 innate lymphoid cells after inflammation**
Franz Puttur (London, United Kingdom), Laura Denney (l.denney@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Lisa G. Gregory (l.gregory@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Juho Vuononvirta (j.vuononvirta@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Robert Oliver (r.oliver@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , James E. Pease (j.pease@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Matthew F. Krummel (matthew.krummel@ucsf.edu / Department of Pathology, University of California, San Francisco, Parnassus Ave, San Francisco, California , USA,San Francisco), Leo M. Carlin (l.carlin@imperial.ac.uk / Cancer Research UK Beatson Institute, Garscube Estate, Bearsden , Glasgow , UK,Glasgow) , Clare M. Lloyd (c.lloyd@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London)
- PA4276 LSC - 2018 - Differential effect of ARDS on alveolar macrophage efferocytosis compared to bacterial phagocytosis**
Rahul Mahida (Birmingham (West Midlands), United Kingdom), David Thickett (d.thickett@bham.ac.uk / University of Birmingham,Birmingham)
- PA4277 Differential effect of M1 and M2 macrophages on airway epithelial cell innate immunity and wound repair**
Sander van Riet (Leiden, Netherlands), Padmini Khedoe, Annemarie Van Schadewijk, Pieter Hiemstra
- PA4278 Calcineurin-inhibition drives IL13 and IL5 production in differentiating and memory T cells in a Ca⁺⁺-dependent manner**
Karin Björhall (Möln dal, Sweden), Ulf Gehrman, Johan Jirholt
- PA4279 Lung epithelial microvesicles induced by pneumolysin contain mitochondrial cargo**
Eleftheria Letsiou (Berlin, Germany), Luiz Gustavo Teixeira Alves , Diana Fatykhova, Matthias Felten, Sarah Berger, Tim Mitchell, Andreas Hocke, Martin Witzernath
- PA4280 Role of microtubule-associated signaling in Staphylococcus aureus-induced lung injury.**
Anna Birukova (Baltimore, United States of America), Pratap Karki, Yufeng Tian, Nicolene Sarich, Yunbo Ke, Konstantin Birukov
- PA4281 Inoculation Pneumonia Caused by Coagulase Negative Staphylococcus in Mice**
Yinggang Zhu (, China), Mengmeng Shi, Antoine Monsel, Jean-Jacques Rouby, Jieming Qu
- PA4282 Curcumin and curcuminoids attenuate RIP3-related cell death in Streptococcus pneumoniae-induced injury via up-regulating SIRT1 expression**
Changchong Li (Wenzhou (Zhejiang), China), Lu Yu, Shunhang Wen, Xiaoguang Hu
- PA4283 Impaired Alveolar Macrophage Efferocytosis in ARDS causes accumulation of apoptotic neutrophils & prolonged inflammation**
Rahul Mahida (Birmingham (West Midlands), United Kingdom), David Thickett
- PA4284 Neutrophil extracellular traps promoted alveolar macrophages pyroptosis in LPS induced ALI/ARDS**
Haitao Lee (Changsha City, China), Pinhua Pan
- PA4285 Effects of autophagy on LPS-induced lung inflammation and acute lung injury (ALI) in vitro and in vivo**
Lian Liu (Chengdu (Sichuan), China), Dan Xu, Tao Wang, Zhicheng Yuan, Luqi Dai, Fuqiang Wen
- PA4286 Anti - IL17 treatment control responses in lung injury induced by elastase**
Aurelio C. Garrido (SAO PAULO, Brazil), Silvia Fukuzaki, Renato F. Righetti, Tabata M. Santos, Leandro N. Camargo, Luciana R. C. R. B. Aristoteles, Flavia C. R. Souza, Beatriz M. Saraiva-Romanholo, Edna A. Leick, Carla M. Prado, Milton A. Martins, Iolanda F. L. C. Tiberio

- PA4287** **Monosodium urate crystals exacerbate acute lung injury induced by lipopolysaccharide.**
Laura Moreno (Madrid, Spain), Daniel Morales-Cano, Sergio Esquivel-Ruiz, Andrea Martínez-Ramas, Bianca Barreira, María Callejo-Arranz, Gema Mondejar-Parreño, Ángel Cogolludo, Francisco Pérez-Vizcaíno
- PA4288** **CD101 eosinophil serves as an early response to suppress endotoxin-induced acute lung injury**
Chen Zhu (, China), Lingren Zhou, Qingyu Weng, Zhihua Chen, Songmin Ying, Huahao Shen, Wen Li
- PA4289** **iTRAQ-based proteomic analysis reveals mitochondrial 'damage'-associated molecular patterns are involved in pulmonary inflammation in Lypopolysaccharide-induced acute lung injury**
Zhicheng Yuan (ChengDu, China), Tao Wang, Fuqiang Wen
- PA4290** **The effect of combined therapy using rosuvastatin and dihydroarteminin in a pulmonary malaria mouse model.**
CAMILA BATISTA (NITEROI, Brazil), Helena D'Anunciação De Oliveira, Ana Maria Garcia-Darze, Maiara Lima, Érica Amorim, Adriano Silva, Hugo Caire Castro-Faria-Neto, Tatiana Maron-Gutierrez
- PA4291** **Effects of ASA and DHA therapy on malaria associated ARDS**
Helena Oliveira (Rio De Janeiro (RJ), Brazil), Camila Batista, Maiara Lima, Erica Amorim, Adriano Silva, Tatiana Maron-Gutierrez, Hugo Castro-Faria-Neto
- PA4292** **The role of prostaglandins in the realization of respiratory effects of interleukin-1 β in case of hypercapnia.**
Galina A. Danilova (St. Petersburg, Russian Federation), Nina P. Aleksandrova
- PA4293** **OSTEOPONTIN PROTECTS AGAINST LUNG INJURY CAUSED BY EXTRACELLULAR HISTONES**
Gopinath Kasetty (Lund, Sweden), Praveen Papareddy, Ravi Kv Bhongir, Mohamad Ali, Michiko Mori, Malgorzata Wygrecka, Jonas S Erjefält, Lena Palmberg, Anna Hultgardh, Heiko Herwald , Arne Egesten
- PA4294** **Aerobic exercise inhibits acute lung injury: from mouse to human evidence**
Regiane Albertini (São José dos Campos, Brazil), Nicole Cristine Rigonato-Oliveira, Breanne Mackenzie, Andre Luis Bachi, Manoel Oliveira-Junior, Alana Santos-Dias, Adilson Andrade-Sousa, Humberto Delle, Nilsa Damaceno-Rodrigues, Larissa Dulley, Marcela Benetti, Christiane Malfitano, Katia De Angelis, Ana Paula Ligeiro De Oliveira, Asghar Abbasi, Hinnak Northoff, Rodolfo Vieira

TP-19

Session 440

12:50 - 14:40

Thematic poster: Triggers of acute lung injury: mechanical ventilation and oxygen levels

Disease(s) : Respiratory critical care Airway diseases Respiratory infections Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases Respiratory infections

Method(s) : Physiology Transplantation Imaging General respiratory patient care Respiratory intensive care Cell and molecular biology

Chairs : Wolfgang M. Kübler (Berlin, Germany), Ahmed Kabil (Cairo, Egypt), Chair to be confirmed

- PA4295** **CXCL5-dependent neutrophil recruitment harms lung barrier function in acute lung injury**
Geraldine Nouailles (Berlin, Germany), Sarah Berger, Sandra-Maria Wienhold, Cengiz Goekeri, Ulrike Behrendt, Holger Müller-Redetzky, Kristina Dietert, Corinne Gurtner, Achim Dieter Gruber, Martin Witzentrath
- PA4296** **Local depletion of the recruitment of macrophages reduces acute lung injury in rats**
Raquel Guillamat-Prats (Barcelona, Spain), Marta Camprubi-Rimblas, Neus Tantinyà, Antonio Artigas
- PA4297** **The protective effects of paricalcitol on renal ischemia reperfusion induced lung injury**
Süreyya Yilmaz (Diyarbakir, Turkey), ZülfiKar Yilmaz, Ali Kemal Kadiroğlu, Veysi Bahadır, İbrahim Kaplan, Aydin Ketani, Engin Deniz Yilmaz, Kamil Yilmaz, Mehmet Emin Yilmaz
- PA4298** **Effect of morphine sulphate on histopathologic changes in lung tissue after ischemia reperfusion injury**
Hıdır Esme (Konya, Turkey), Nuri Duzgun, Pınar Karabağlı, Mehmet Sinan İyisoy, Melike Duran
- PA4299** **Acute lung injury induced by intestinal ischemia and reperfusion is altered in obese female mice**
Yanira Riffo-Vasquez (London, United Kingdom), Evelyn Fantozzi, Sara Rodrigues-Garbin, Fernanda Ricardo-Da Silva, Ricardo Oliveira-Filho, Domenico Spina, Wothan Tavares-De-Lima
- PA4300** **Impact of systemic erythropoietin deficiency on the lung of mice exposed to hypoxia**
Liasmine Haine (bobigny , France), Céline-Hivda Yegen, Dominique Marchant, Carole Planès, Nicolas Voituron*, Emilie Boncoeur*
- PA4301** **Alveolar Tidal Flooding – a New Mechanism of Ventilator-Induced Lung Injury?**
Jana Grune (Berlin, Germany), Wolfgang M Kuebler, Arata Tabuchi
- PA4302** **Mechanical Preconditioning of Lung Mesenchymal Stem Cells Improves Ventilation Induced Lung Injury in Rats**
Isaac Almendros (Barcelona, Spain), Paula N Nonaka, Bryan Falcones, Ramon Farré, Daniel Navajas

- PA4303** **The morphological change in the diaphragm and soleus on rats after mechanical ventilation.**
Xiaoping Zhu (Shanghai, China)
-
- PA4304** **A major inflammatory cytokine TNF- α inhibits the ventilatory response to hypoxia**
Anna Klinnikova (Saint-Petersburg, Russian Federation), Galina Danilova, Nina Alexandrova
-
- PA4305** **The severity of ventilator-induced lung injury is regulated by the clock gene Bmal1 in myeloid cells**
Matthias Felten (Berlin, Germany), Luiz Gustavo Teixeira-Alves, Eleftheria Letsiou, Holger Müller-Redetzky, Achim Kramer, Bert Maier, Martin Witzernath
-
- PA4306** **Effects of positive end-expiratory pressure-like cyclic stretching on the production of interleukin-6 protein in normal human pulmonary artery endothelial cells**
Kozue Kobayashi (Sagamihara (Kanagawa prefecture), Japan), Hidenori Inaoka, Kenichi Kokubo, Hirosuke Kobayashi
-
- PA4307** **Enhanced endothelial barrier protective and anti-inflammatory effects by synthetic iloprost-conjugated phospholipid.**
Konstantin Birukov (Baltimore, United States of America), Olga Oskolkova, Yue Li, Chen-Ou Zhang, Grzegorz Gawlak, Yunbo Ke, Anna Birukova
-
- PA4308** **Prognostic role of matrix metalloproteinase system / inhibitors in assessing the nature of reparative changes in infiltrative pulmonary tuberculosis (ITL).**
Diljara Esmedlyeva (St. Petersburg, Russian Federation), Pavel Gavrilov, Nina Alexeeva, Marina Dyakova, Larisa Kiryukhina, Evgeniy Sokolovich
-
- PA4309** **Changes in the enterobacterial flora and the hydrogen gas-producing ability of the enterobacterial flora in a mouse model of acute lung injury**
Ryota Yoshizawa (Sagamihara, Japan), Shota Ito, Kozue Kobayashi, Kenichi Kokubo, Hirosuke Kobayashi
-
- PA4310** **Morphological characteristics and mechanism of a rat model of reexpansion pulmonary edema**
Shinichi Otani (Saitama, Japan), Takashi Yashiro, Shunsuke Endo
-
- PA4311** **The effect of airway pressure release ventilation on circulation and respiration in post-operation of cardiac surgery patients.**
Huiqing Ge (Hangzhou (Zhejiang), China)
-
- PA4312** **Deciphering molecular mechanisms of cathepsin S resistance to major chemical oxidants of cigarette smoke**
Mylène Wartenberg (Tours, France), Pierre-Marie Andraut, Ahlame Saidi, Lydie Nadal-Desbarats, Fabien Lecaille, Gilles Lalmanach
-
- PA4313** **Ozone induced acute and chronic alterations in the lung in mice: a combined digital imaging and functional analysis.**
Yvon Jule (Marseille, France), Chloé Michaudel, Louis Fauconnier, Dieudonnée Togbe, Bernhard Riffel
-
- PA4314** **Involvement of laminin beta-2 subunit in lung smooth muscle contraction and remodelling**
Ivonne Pacheco-Alba (Mexico City, Mexico), Blanca Bazán-Perkins, Patricia Ramos-Ramírez

TP-20

Session 441

12:50 - 14:40

Thematic poster: Cardiovascular and metabolic consequences of sleep-disordered breathing**Disease(s) :** Sleep and breathing disorders Airway diseases**Method(s) :** Epidemiology Endoscopy and interventional pulmonology General respiratory patient care**Chairs :** Simon Dominik Herkenrath (Köln, Germany), Esther Irene Schwarz (Zürich, Switzerland), Raluca Mihaela Bercea (Kolnes, Norway), Chair to be confirmed

- PA4315** **The impact of obstructive sleep apnea in case of acute coronary syndrome**
George Calcaianu (Riedisheim, France), Edouard Viot, Didier Bresson, Mihaela Calcaianu, Carmen Iamandi, Didier Debieuvre
-
- PA4316** **Systematic coronary risk evaluation among obstructive sleep apnea patients**
Aleksander Kania (Kraków, Poland), Grazyna Bochenek, Pawel Nastalek, Natalia Celejewska-Wojcik, Jakub Pabjanczyk, Krzysztof Regulski, Andrzej Opalinski, Barbara Mrzyglod, Mirosław Glowacki, Krzysztof Sladek
-
- PA4317** **Obstructive sleep apnoea and cardiovascular events in a Chinese cohort**
PEIHANG XU (HongKong, Hong Kong), Dyt Fong, Ckm Hui, Mms Lui, Dcl Lam, Msm Ip
-
- PA4318** **Diagnosis of left ventricular diastolic dysfunction among obstructive sleep apnea patients**
Yong Mei Ching (Kuching (Sarawak), Malaysia), Diana Hui Ping Foo, Sze Shyang Kho, Swee Kim Chan, Alan Yean Yip Fong, Siew Teck Tie

PA4319	Correlations between severity of obstructive sleep apnoea and systolic pulmonary artery pressure: preliminary results Lorenzo Marra (Bari (BA), Italy), Sebastiano Cicco, Giorgio Castellana, Valentina Di Lecce, Pierluigi Carratù, Giuseppe Ranieri, Angelo Vacca, Onofrio Resta
PA4320	Inverse relationship between objective snoring time and the prevalence of plaque in women Jinyoung Kim (Ansan, Republic of Korea), Allan Pack, Barbara Riegel, Seung Ku Lee, Chol Shin
PA4321	Thrombolysis and evolution of sleep apnea in ischemic stroke Jaana Huhtakangas (Oulu, Finland), Tarja Saaresranta, Juha Huhtakangas
PA4322	Sleep disorder level in stroke patients and related factors Taha Tahir Bekci (Konya, Turkey), Selman Parlak, Halim Yılmaz, Lütfiye Parlak
PA4323	The importance of RDW in obstructive sleep apnea syndrome. Seda Beyhan Sagmen (Istanbul, Turkey), Elif Torun Parmaksiz, Nesrin Kiral, Banu Salepci, Sevdâ Comert
PA4324	Nocturnal respiratory failure in moderate sleep apnoea as predictive factor of cardiovascular and metabolic comorbidities Valentina Di Lecce (Modugno (BA), Italy), Lorenzo Marra, Giorgio Castellana, Pierluigi Carratù, Vincenzo Nicola Valerio, Carla Santomasì, Onofrio Resta
PA4325	The efficiency of Epworth sleepiness scale and Berlin questionnaire for detecting Obstructive sleep apnea syndrome (OSA) in 100 Tunisian patients with non valvular atrial fibrillation (AF) Amany Touil (Tunis, Tunisia), Jihen Ben Amar, Kais Sammoud, Manel Ben Halima, Sana Ouali, Mohamed Sami Mourali, Besma Dhahri, Haifa Zaibi, Hager Kchouk, Ines Laouini, Mohamed Ali Baccar, Saloua Azzabi, Hichem Aouina
PA4326	Comparison of quality of life between cardiorespiratory failure patients with diaphragmatic or thoracic breathing predominance Sonia Torres-Montiel (Ciudad de México, Mexico), Viridiana Peláez-Hernández, Arturo Orea-Tejeda, Mónica Rivera-Rodríguez, Francisco Figueroa-Herrera, Elisa Pérez-Cabañas, Bernardo Robles-Urbe, Dulce González-Islas, Abril Jiménez-Cepeda, Ana Grecia Navarrete-Peñaloza, Leslie Verdeja-Vendrell, Rocío Sánchez-Santillán, Guillermo Karey Pérez-Cortés, Luis Felipe Castillo-Aguilar
PA4327	Effect of treatment of CSA/CSR on left ventricular ejection fraction in heart failure – a network meta-analysis Esther Irene Schwarz (Zürich, Switzerland), Frank Scherff, Sarah R Haile, Malcolm Kohler
PA4328	Recurrent heart rate rises, as a marker of sleep fragmentation, return more rapidly during CPAP withdrawal than oxygen desaturations Saxon Pattenden (Oxford, United Kingdom), Christopher Turnbull, John Stradling
PA4329	Hypoxia effect on the hepatic profile, glucose metabolism and cardiovascular risk. Beatriz Aldave Orzaiz (Spain), Pedro Landete Rodríguez, Carmen Acosta Gutierrez, Marta Hernandez Olivo, Maria Gonzalez González, Jose Manuel Muñoz Olmedo, Alfonsi Frieria Reyes, Ana Sanchez Azofra, Enrique Zamora Garcia, Agueda Gonzalez Rodriguez, Joan B Soriano, Carmelo Garcia Monzon, Julio Ancochea Bermudez
PA4330	Ischemia modified albumin in Patients with Obstructive Sleep Apnea Syndrome Mustafa Dürger (Tekirdağ, Turkey), Ekrem Cengiz Seyhan, Mustafa Bolatkale, Zeynep Kansu, Engin Aynacı
PA4331	Apelin and ischemia modified albumin levels in heart failure patients with sleep disordered breathing Nazan Bayram (Gaziantep, Turkey), Berna Taşkın Doğan, Meral Uyar
PA4332	The effect of CPAP treatment on Galectin-3 level in patients with severe obstructive sleep apnea Iana Andreieva (Zaporizhia, Ukraine)
PA4333	Effect of continuous positive airway pressure on lipid profile in patients with severe OSAS Beatrix Simon (Budapest, Hungary), Bettina Gabor, Imre Barta, Csilla Paska, Robert Szvatek, György Boszormenyi Nagy, Eva Vizi, Balázs Antus
PA4334	The influence of long-term CPAP therapy on metabolic variables in obstructive sleep apnea patients Wojciech Kuczyński (Łódź, Poland), Aleksandra Stolarz, Piotr Białasiewicz

TP-21

Session 442

12:50 - 14:40

Thematic poster: Treatments that can serve as an alternative to positive airway pressure (PAP)**Disease(s) :** Sleep and breathing disorders**Method(s) :** Imaging Surgery Epidemiology Physiology General respiratory patient care Public health**Chairs :** Oana Claudia Deleanu (Bucuresti, Romania), Josep M Montserrat (Barcelona, Spain), Himender Makker (London, United Kingdom), Chair to be confirmed

- PA4335 Positional obstructive sleep apnea in the European Sleep Apnoea Database (ESADA) study**
Izolde Bouloukaki (Heraklion (Crete), Greece), Athanasia Pataka, Paschalis Steiropoulos, Ludger Grote, Marisa Bonsignore, Jan Hedner, Oreste Marrone, Ozen Basoglu, Johan Verbraecken, Carolina Lombardi, Gianfranco Parati, Zoran Dogas, Sophia Schiza
-
- PA4336 Sleep apnea syndrome and its association with serum vitamin D level**
Ammar Wissem (tunis, Tunisia), Dabboussi Selsabil, Mhamdi Samira, Moatamri Zied, Aichaouia Chiraz, Khadhraoui Mohsen, Rzaieg Cheikh
-
- PA4337 Is Vitamin D Deficiency Associated With Obstructive Sleep Apnea Syndrome?**
Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Nouran Azab, Rabab Wahsh, Yaser Gabashy, Heba Sharaf Eldean
-
- PA4338 One year vitamin D and parathyroid hormone influence in patients with OSAS and CPAP treatment**
Daniela Krasimirova (Sofia, Bulgaria), Daniela Petrova, Ognian Georgiev, Radoslav Bilyukov, Tzanko Mondeshki, Martin Nikolov, Adelina Tzakova, Ventsislava Pencheva Genova, Bilyana Stancheva, Sevda Naydenska, Petko Shoshkov
-
- PA4339 Postural effects on nasal resistance in obstructive sleep apnoea (OSA) and efficacy of a novel oral appliance**
Benjamin Tong (Randwick, Australia), Carolin Tran, Andrea Ricciardiello, Michelle Donegan, Nicholas Murray, Alan Chiang, Jason Amatoury, Danny Eckert
-
- PA4340 Oral appliance is a useful treatment for obstructive sleep apnoea irrespective of disease severity**
Hoi Yee Kwan (Kowloon, Hong Kong), Wai Kuen Tang, Sai On Ling, Yik Ning Poon, Anthony Pak Yuen Yau, Chie Wai Yim, Thomas Yan Wing Mok
-
- PA4341 Mandibular advancement splint for treatment of obstructive sleep apnea**
Ana Cristina Alves Ferreira (Vila do Conde, Portugal), Pedro Ramalho, Catarina Ferreira, Fátima Teixeira, Fátima Carvalho
-
- PA4342 Clinical Impact of 2 types of Mandibular Retention Devices (MRD) - Narval CAD/CAM vs Narval nonCAD/CAM – on OSA: ESTAMPS STUDY**
Adeline Kerbrat (Paris, France), Olivier Vinuesa, Elodie Aversenq, Laurent Morin, Florent Lavergne, Jean-Baptiste Kerbrat
-
- PA4343 Effect of Long Term Oral Appliance Therapy on Obstruction Pattern in Patients with Obstructive Sleep Apnea**
Dong-Kyu Kim (Chuncheon-si, Gangwon-do, Republic of Korea)
-
- PA4344 Cardiovascular effects of a mandibular advancement device versus continuous positive airway pressure in moderate obstructive sleep apnea**
Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Ewout Houwerzijl, Wouter Jacobs, Jan Van Der Maten, Boudewijn Stegenga, Huib Kerstjens, Peter Wijkstra
-
- PA4345 Oral Appliances (OAs) treatment in Obstructive Sleep Apnea (OSA) : a three years experience**
Paolo Righini (Torino (TO), Italy), Alessandro Oliva, Valter Gallo, Giovanni Maria Ferrari, Massimo Comune, Marco Ottavio Gilardino, Roberto Prota
-
- PA4346 Combined CPAP and oral appliance (OA) therapy reduces PAP requirements and pharyngeal pressure (Pepi) swings in OSA**
Benjamin Tong (Randwick, Australia), Carolin Tran, Andrea Ricciardiello, Michelle Donegan, Nicholas Murray, Alan Chiang, Jason Amatoury, Danny Eckert
-
- PA4347 Obstructive sleep apnea after pharyngeal flap surgery in children**
Alessandro Amaddeo (Paris, France), Ines Trabelsi, Sonia Khirani, Benoit Michel, Arnaud Picard, Brigitte Fauroux
-
- PA4348 Polygraphic patterns predictive of success of upper airway surgery in obstructive sleep apnea patients**
Anna Monzani (Camparada (MI), Italy), Paola Faverio, Alberto Braghiroli, Massimo Godio, Paolo Aluffi Valletti
-
- PA4349 Long term follow-up of OSA patients implanted with hypoglossal nerve stimulator; PSG results and patients compliance. A Greek Single-Institution Experience.**
Angelos Chatziavramidis (Thessaloniki, Greece), Vasilis Tsaousis, Iordanis Konstantinidis, Konstantinos Markou, Athanasios Gounidis, Vasiliki Paschidou
-
- PA4350 Impact of Inspiratory Muscle Training on Obstructive Sleep Apnea in Coronary Artery Disease Patients. The RICAOS study: preliminary results.**
Pierre Labeix (Saint-Etienne, France), Mathieu Berger, Hayet Iddir, Frederic Roche, David Hupin
-
- PA4351 Effect of Tongue Motor Task Training on Serotonergic Excitatory Drive to Genioglossus Electromyographic Activity in Rats**
Wenyang Li (Québec (QC), China), Hongyu Jin, Ying Zou, Wei Wang

PA4352 The Different Effect of Tongue Motor Task Training (TTT) and Strength Training (ST) on the Modulation of Genioglossus Corticomotor Excitability in Rats
Wenyang Li (Québec (QC), China), Hongyu Jin, Ying Zou, Wei Wang

PA4353 Soft cervical collar in obstructive sleep apnea, a pilot study
Philippe Bordier (Pessac, France), Aurelia Lataste, Sebastien Orazio

PA4354 Effects of energy restricted diet on sleep and metabolic parameters in obese Obstructive Sleep Apnea patients
Camila De Melo (São Paulo (SP), Brazil), Marcus Vinicius Dos Santos, Mariana Pantaleão Del Re, Sandra Maria Lima Ribeiro, Hanna Karen Moreira Antunes, Sonia Maria Togeiro, Sergio Tufik, Marco Túlio De Mello

TP-22

Session 443

12:50 - 14:40

Thematic poster: Sleep and breathing control: phenotypes**Disease(s) :** Sleep and breathing disorders**Method(s) :** Respiratory intensive care General respiratory patient care Public health Epidemiology**Chairs :** Ludger Grote (Göteborg, Sweden), Patrick B. Murphy (Oxted (Surrey), United Kingdom), Richard Staats (Murches, Portugal), Chair to be confirmed

PA4355 Does the seasons and PM10 levels affect to sleep?
Peri Meram Arbak (Düzce, Turkey), Pınar Yıldız Gülhan, Ege Gulec Balbay, Mehmet Fatih Elverişli, Merve Erçelik

PA4356 The impact of smoking status on obstructive sleep apnea (OSA) severity.
Piotr Bielicki (Warszawa, Poland), Anna Trojnar, Piotr Sobieraj

PA4357 The prevalence of sleep-disordered breathing in the general population: results of the Asklepios Cohort
Fre Bauters (Ghent, Belgium), Marc Debuyzere, Julio Chirinos, Katrien Hertegonne, Ernst Rietzschel

PA4358 Cross sectional study of the risk for OSAS in the general population of 20 Greek Islands and assessment of the OSAS awareness.
Sotirios Zarogiannis (Larisa, Greece), Anastasia Adamou, Stefanos Giannopoulos, Christina Arvaniti, Ioannis Belios, Dimitra Dalampira, George Eleftheriadis, Thomai Zinoviou, Petros Kassas, George Vavougiou, Chrissi Hatzoglou, Konstantinos Gourgoulisanis

PA4359 Sleep apnea in Tibetans and Han long-term high altitude residents
Lu Tan (Chengdu, China), Taomei Li, Michael Furian, Xiaofang Xue, Rong Ren, Junying Zhou, Ye Zhang, Jiaming He, Silvia Ulrich, Konrad E Bloch, Xiangdong Tang

PA4360 Young obstructive sleep apnea patients: characteristics, adherence and hospitalizations tendencies
Daniel López-Padilla (Madrid, Spain), Elena R. Jimeno, Milagros Llanos Flores, Virginia Gallo González, Zichen Ji, Soledad López Martín, José Terán Tinedo, Elena Ojeda Castillejo, Luis Puente Maestu

PA4361 Younger people have more severe obstructive sleep apnea syndrome.
Stefan A. Mihaicuta (Timisoara (Timis), Romania), Roxana Pleava, Kevin Muller, Alexandra Rus, Alexandru Ciotlos-Sinoi, Daniela Reisz, Rodica Dan

PA4362 Sleep apnea-hypopnea syndrome in elderly obese patients : clinical and functional profiles
Donies Masmoudi (Sfax, Tunisia), Fidaa Alaya, Olfa Jallouli, Rim Kammoun, Asma Haddar, Ines Kammoun, Kaouthar Masmoudi

PA4363 Defining the core components of a clinical review of people using continuous positive airway pressure (CPAP) therapy - an international e-Delphi study
Phyllis Murphie (Dumfries (Dumfries and Galloway), United Kingdom), Stuart Little, Brian Mckinstry, Hilary Pinnock

PA4364 Obstructive sleep apnea and metabolic syndrome in 1,600 adult Japanese PSG cases.
Akemi Matsuo (Nagano, Japan), Kei Sonehara

PA4365 The Relation Between Cardiovascular Diseases And Antropometric Measurements In Patients With Obstructive Sleep Apnea: A Single Center Study
Asiye Kanbay (Kayseri, Turkey), Halil Ibrahim Yakar, Sabahat Alışır Eceder, Erkan Ceylan

PA4366 Impact of Ostructive Sleep Apnea, Age, Body mass index and Neck circumference on timing of Acute Coronary Syndrome onset
Muhammad Hanis Muhmad Hamidi (Batu Caves, Malaysia), Muhammad Hanis Muhmad Hamidi, Muhammad Amin Ibrahim, Johan Rizwal Ismail, Mohd Arif Mohd Zim, Ahmad Izuanuddin Ismail

PA4367 Laryngeal obstruction in moderate and severe obstructive sleep apnea patients requested higher CPAP level during treatments
Yung-Lun Ni (Taichung, Taiwan), Yu-Lun Lo, Tsai-Yu Wang, Ting-Yu Lin

- PA4368 Rapid eye movement-related obstructive sleep apnea: a retrospective study**
Catarina Marques (Gondomar, Portugal), Daniela Machado, Inês Franco, Inês Sanches, Regina Monteiro, Daniela Ferreira
-
- PA4369 A retrospective study about the causes of excessive daytime sleepiness except for sleep-disordered breathing in Japan.**
HARUKA SUZUKI (Matsumoto, Japan), Keisaku Fujimoto
-
- PA4370 Factors affecting the quality of life in patients with obstructive sleep apnea syndrome**
Maher Maoua (Sousse, Tunisia), Haifa Aroui, Houda Kalboussi, Maher Maoua, Imen Kacem, Sana Elguedri, Aicha Brahem, Olfa Elmaalel, Souheil Chatti, Halima Bensalem, Mohamed Benzarti, Najib Mrizek
-
- PA4371 Sleep patterns and predictors of poor sleep quality among Tunisian medical students (MS).**
hadhemi rejeb (sousse, Tunisia), Mouna Ben Khelifa, Rania Kaddoussi, Imen Ben Saida, Aymen Najjar, Sana Aissa, Wafa Benzarti, Imen Gargouri, Ahmed Abdelghani, Abdelhamid Garrouche, Abdelaziz Hayouni, Mohamed Benzarti
-
- PA4372 Sleep quality and quality of life in physicians and nurses working at a Central Hospital**
Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Inês Oliveira, Rita Rosa, Catarina Barata, Marta Fradinho, Luisa Oliveira, Fernando Nogueira
-
- PA4373 Night shifts: impact of a lifetime**
Rita Coelho Soares Rosa (Lisboa, Portugal), Catarina Barata, Ines Oliveira, Joana Carvalho, Marta Fradinho, Luisa Oliveira, Fernando Nogueira
-
- PA4374 Effect of invasive mechanical ventilation (IMV) on sleep architecture in intensive care unit (ICU).**
Brijesh Prajapat (Rohtak (Haryana), India), Dhruva Chaudhry, A S Sandhya

TP-23

Session 444

12:50 - 14:40

Thematic poster: COPD management

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : Respiratory intensive care Public health Imaging General respiratory patient care

Chairs : Alexander Mathioudakis (Manchester, United Kingdom), Mario Cazzola (Roma (RM), Italy), Huib A.M. Kerstjens (Groningen, Netherlands), Ioannis Bonovolias (Thessaloniki, Greece)

- PA4375 Dual bronchodilator response according to bronchitis symptoms in the FLAME study**
Karen Mezzi (Basel, Switzerland), Alexander Mackay, Konstantinos Kostikas, Stefan-Marian Frent, Pascal Pfister, Pritam Gupta, Francesco Patalano, Donald Banerji, Jadwiga A. Wedzicha
-
- PA4376 Indacaterol/glycopyrronium vs tiotropium or glycopyrronium in treatment naive COPD patients: a pooled analysis**
Petter Olsson (Stockholm, Sweden), Shigeo Muro, Hajime Yoshisue, Alexander J. Mackay, Konstantinos Kostikas, Pritam Gupta, Jadwiga A. Wedzicha
-
- PA4377 Estimating potential cost savings associated with managing COPD according to GOLD 2017 recommendations in UK primary care: a CPRD study**
Alexander Mathioudakis (Manchester, United Kingdom), Jorgen Vestbo, Alicia Gayle, Scott Dickinson, Kevin Morris, Samantha Webster, Chris Poole
-
- PA4378 Indacaterol/glycopyrronium increases lung ventilation in COPD patients as measured by hyperpolarized 3He MRI**
Hanns-Christian Tillmann (Basel, Switzerland), David Singh, Dinesh Saralaya, Rod Lawson, Jim Wild, Jonathan Goldin, Konstantinos Kostikas, Kristin Smith, Surendra Machineni, Denise Yates
-
- PA4379 Effect of ICS withdrawal on COPD exacerbations in patients on triple therapy at baseline**
Gary T. Ferguson (Farmington Hills, United States of America), Asif Shaikh, Kay Tetzlaff, Achim Mueller, Henrik Watz
-
- PA4380 Health status changes in COPD patients after real-life switch from tiotropium or salmeterol/fluticasone to indacaterol/glycopyrronium using the EQ-5D-3L instrument: results from the POWER study**
Syed Anees (Windsor (ON), Canada), Andrew Mcivor, Kenneth R. Chapman, Irvin Mayers, Driss Rochdi, David Prefontaine, Alan Kaplan
-
- PA4381 Extrafine beclometasone dipropionate, formoterol fumarate, glycopyrronium (BDP/FF/G) and exacerbation recurrence: post-hoc analysis of the TRIBUTE study.**
Mario Scuri (Parma (PR), Italy), Leonardo Fabbri, Dave Singh, Jorgen Vestbo, Massimo Corradi, Alessandro Guasconi, Isabella Montagna, Hélène Prunier, Stefano Vezzoli, Stefano Petruzzelli, Alberto Papi
-
- PA4382 Pharmacological treatment of stable Chronic Obstructive Pulmonary Disease: Where do we stand?**
Fatma Chermi Ben Abdallah (Tunis, Tunisia), Marwa Kacem, Imen Bachouch, Nidhal Belloumi, Yasmine Hdidene, Soraya Fenniche

PA4383	FF/UMEC/VI versus FF/VI and UMEC/VI in the ELLIPTA device in patients with COPD: Subgroup analyses from the IMPACT trial Dave Singh (Manchester, United Kingdom), Frank Barnhart, Noushin Brealey, Gerard Criner, Mark Dransfield, David M G Halpin, Meilan K Han, C Elaine Jones, Sally Kilbride, Peter Lange, David A Lomas, Fernando J Martinez, Dalal Mounaimne, Robert Wise, David A Lipson
PA4384	Exacerbation outcomes with LAMA/LABA and ICS/LABA in high risk COPD patients in the IMPACT trial David A Lipson (Wynnewood, United States of America), Frank Barnhart, Isabelle Boucot, Courtney Crim, Noushin Brealey, Gerard J Criner, Mark Dransfield, David M.G Halpin, Sally Kilbride, Meilan K Han, Peter Lange, David A Lomas, Fernando J Martinez, Dave Singh, Ian Naya Naya, Christine Elaine Jones, Robert Wise
PA4385	Comparison of LAMA/LABA vs ICS/LABA in high risk COPD patients: Pre-specified analysis on lung function and health status from the IMPACT trial David A Lipson (Wynnewood, United States of America), Frank Barnhart, Isabelle Boucot, Courtney Crim, Noushin Brealey, Gerard J Criner, Mark Dransfield, David M.G Halpin, Sally Kilbride, Meilan K Han, Peter Lange, David A Lomas, Fernando J Martinez, Dave Singh, Ian Naya Naya, Christine Elaine Jones, Robert Wise
PA4386	LABA/LAMA combinations efficacy evaluation therapy of COPD patients with emphasized morning and night symptoms Tanja Pavlović (Beograd, Republic of Serbia), Dejan Pavlović, Miodrag Vukčević, Vladimir Žugić
PA4387	Baseline symptom burden and dual bronchodilator response in the FLAME study Petter Olsson (Stockholm, Sweden), Alexander Mackay, Konstantinos Kostikas, Stefan-Marian Frent, Pascal Pfister, Pritam Gupta, Francesco Patalano, Donald Banerji, Jadwiga A. Wedzicha
PA4388	Indacaterol/Glycopyrronium improves pulmonary ventilation and ventilation inhomogeneity in the CLAIM Study Jens Vogel-Claussen (Hannover, Germany), Till Kaierit, Andreas Voskrebenzev, Christian-Olaf Schoenfeld, Christoph Czerner, Julius Renne, Hanns-Christian Tillmann, Korbinian Berschneider, Simone Hiltl, Johann Bauersachs, Tobias Welte, Jens M. Hohlfeld
PA4389	Comparison of dual vs triple therapies in patients hospitalized for COPD in France: a claims data study Faustine Dalon (Lyon, France), Nicolas Roche, Manon Belhassen, Maeva Nolin, Daniel Vesque, Philippe Devillier, Gaetan Deslee, Bruno Housset, Hervé Pegliasco, Eric Van Ganse
PA4390	Efficacy of tiotropium/olodaterol on sedentary/active time in COPD patients: VESUTO study Yoshiaki Minakata (Wakayama Wakayama, Japan), Takashi Motegi, Jun Ueki, Yasuhiro Gon, Tetsuo Seki, Tatsuhiko Anzai, Shuhei Nakamura, Kazuto Hirata, Masakazu Ichinose
PA4391	Effect of tiotropium/olodaterol combination therapy on long-term heart rate and blood pressure in COPD patients Stefan Andreas (Immenhausen, Germany), Lorcan Mcgarvey, Ulrich Bothner, Matthias Trampisch, Alberto De La Hoz, Matjaz Fležar, Peter Alter, Roland Buhl
PA4392	Effects of Inhaled Long Acting Muscarinic Antagonist (LAMA) on Lung Functions in Adult Stable Bronchiectasis Metinee Tungnantawiwat (Bangkok, Thailand), Kamon Kitinarong
PA4393	AMPLIFY: efficacy of aclidinium vs tiotropium in COPD Sanjay Sethi (Buffalo, United States of America), Edward Kerwin, Henrik Watz, Gary T Ferguson, Robert Mroz, Rosa Segarra, Eduard Molins, Diana Jarreta, Esther Garcia-Gil
PA4394	Efficacy of indacaterol/glycopyrronium versus salmeterol/fluticasone in current and ex-smokers: a pooled analysis of IGNITE trials David M. G. Halpin (Exeter Devon, United Kingdom), Claus F. Vogelmeier, Alexander J. Mackay, Karen Mezzi, Pankaj Goyal, Pritam Gupta, Konstantinos Kostikas, Jadwiga A. Wedzicha

TP-24

Session 445

12:50 - 14:40

Thematic poster: Studies on the mechanisms underlying airway disease

Disease(s) : **Airway diseases** **Respiratory infections** **Thoracic oncology** **Interstitial lung diseases** **Pulmonary vascular diseases**
Respiratory infections

Method(s) : Respiratory intensive care Physiology General respiratory patient care Cell and molecular biology

Chairs : Mazen Al-Alawi (Dublin 5, Ireland), Maarten van den Berge (Groningen, Netherlands), Tania Maes (Ghent, Belgium), Martina Schmidt (Groningen, Netherlands)

PA4395	Reproducibility of COPD blood eosinophil counts Thomas Southworth (Manchester (Greater Manchester), United Kingdom), Gussie Beech, Umme Kolsum, Dave Singh
PA4396	Blood eosinophils in COPD: relationship with CLCA1 and mucus production Gabiella Long (Hayling Island (Hampshire), United Kingdom), Umme Kolsum, Andrew Higham, Sririam Sridhar, Tuyet-Hang Pham, Thomas Southworth, Paul Newbold, Dave Singh

- PA4397 Oropharyngeal and sputum microbiome dynamics with the same pattern following exacerbation of chronic obstructive pulmonary disease**
Jin Su (Guangzhou (Guangdong), China), Haiyue Liu, Yanx Lin, Hongwei Zhou
- PA4398 The impact of smoking on airway microbiome and mycobiome of COPD/AECOPD patients**
Jin Su (Guangzhou (Guangdong), China), Haiyue Liu, Yanx Lin, Rongchang Chen
- PA4399 The study of airway microbiome and mycobiome of COPD and AECOPD patients**
Jin Su (Guangzhou (Guangdong), China), Haiyue Liu, Yanx Lin, Rongchang Chen
- PA4400 Association of ER22/23EK glucocorticoid receptor gene polymorphism with glucocorticoids dosage in COPD**
Vera Djordjevic (Niš, Republic of Serbia), Milena Despotovic, Ivana Stankovic, Tatjana Jevtovic Stoimenov
- PA4401 Fevipiprant inhibits prostaglandin D2 mediated activation of group 2 innate lymphoid cells (ILC2s)**
Wentao Chen (Oxford (Oxfordshire), United Kingdom), Clare Hardman, Paul Batty, Jian Luo, Yanqiu Wu, Luzheng Xue, Graham Ogg, David A Sandham, Veit J Erpenbeck
- PA4402 Cholinergic muscarinic receptors and airway remodelling in severe asthma**
Fabio L. M. Ricciardolo (Orbassano (TO), Italy), Anna Folino, Vitina Carriero, Michela Bullone, Michael Pieper
- PA4403 Longitudinal measurement of VOCs in breath demonstrates pharmacokinetic washout curve**
Marc P. C. van der Schee (Amsterdam, Netherlands), Jasper Boschmans, Rob Smith, Russell Parris, Billy Boyle, Duncan Apthorp, Simon Kitchen
- PA4404 Investigating the safety of capsaicin cough challenge in severe asthma**
Ran Wang (Manchester (Greater Manchester), United Kingdom), Ran Wang, Stephen Fowler, Robert Niven, Dorothy Ryan, Kimberley Holt, Joanne Mitchell, Rachel Dockry, Bashar Al-Sheklly, Imran Satia, Jacky Smith
- PA4405 Inhaled LPS challenge in healthy subjects: a dose escalation study**
Alex Mulvanny (Manchester (Greater Manchester), United Kingdom), Natalie Jackson, Caroline Pattwell, Sophie Wolosianka, Thomas Southworth, Dave Singh
- PA4406 Rhinovirus Challenge in Asthmatics and Healthy Volunteers to Evaluate the Safety and Appropriate Dose of a GMP Human Rhinovirus 16 Preparation for Challenge Studies in Mild-Moderate Asthmatics taking ICS**
Norbert Krug (Hannover, Germany), Jens M. Hohlfeld, Antonios Aliprantis, Leonidas Carayannopoulos, An Bautmans, Martine Robberechts, Inge De Lepeleire, Holger Ziehr, Dave Singh, Zuzana Diamant, Shan Yang, Neil Fitch, Bob Thornton, Peter J. Sterk, Rene Lutter And The U-Biopred Study Group
- PA4407 Utility of drug reaction assessments for inhaled therapies in patients with chronic suppurative lung diseases: results from 5 years of drug reaction assessments**
Giulia Rinaldi (London, United Kingdom), Brittany Dennis, Georgie Houseley, Owais Shah, Michael Loebinger
- PA4408 The acute effect of inhaled salbutamol and ipratropium on aortic stiffness and pressure wave reflection**
Hussein Al-Rubaye (London, United Kingdom), Kashyap Chauhan, Monia Yasmine Arzim, Valentina Abi Osman, Emma H Baker, Fok Henry, Ruickbie Sachelle, Daniel Burrage
- PA4409 Inhalations of Tranexamic Acid for hemoptysis: A randomized controlled trial**
Ori Wand (Kfar Sava, Israel), Elad Guber, Alexander Guber, Gali Epstein-Shochet, Lilach Israeli-Shani, David Shitrit
- PA4410 Impact of glucagon-like peptide 1 receptor agonists on lung function of diabetic patients: a 52 weeks clinical trial**
Paola Rogliani (Roma (RM), Italy), Luigino Calzetta, Angelo Coppola, Mario Cazzola, Davide Lauro, Maria Gabriella Matera
- PA4411 Novel treatment of eosinophilic bronchitis with allergic fungal sinusitis using mepolizumab- One year follow-up.**
Yuichiro Takeshita (atami, Japan), Seiichi Nobuyama, Yukiko Kanetsuna, Tetsuo Satou
- PA4412 Long-acting bronchodilators and synergistic interaction: a challenge across the currently available LABA/LAMA combinations**
Luigino Calzetta (Roma (RM), Italy), Paola Rogliani, Ermanno Puxeddu, Francesco Facciolo, Mario Cazzola, Maria Gabriella Matera
- PA4413 Characterisation of a chronic pre-clinical model of allergic asthma**
Pauline Flajolet (London, United Kingdom), Jorge De Alba, Kristof Raemdonck, Maria G. Belvisi, Mark A. Birrell

TP-25

Session 446

12:50 - 14:40

Thematic poster: Airway disease: recent discoveries

Disease(s) : [Airway diseases](#) [Respiratory infections](#) [Interstitial lung diseases](#) [Sleep and breathing disorders](#) [Respiratory critical care](#)
[Respiratory infections](#)

Method(s) : Physiology Cell and molecular biology Epidemiology General respiratory patient care Surgery Public health

Chairs : Pierre-Régis Burgel (Sorbonne Paris Cité, France), Vasileios Andrianopoulos (Schönau am Königssee, Germany), Apostolos Bossios (Stockholm, Sweden), Chair to be confirmed

- PA4414 Clinical features and functional parameters predict the probability of ACO in patients with asthma and COPD**
Giulia Ciardi (Prato (PO), Italy), Chiara Allegrini, Marco Palazzi, Alessio Fabbrizzi, Gianna Camiciottoli
-
- PA4415 Tuberculosis associated Obstructive Lung disease- A Pilot Study**
Tarang Kulkarni (Mumbai (Maharashtra), India), Raja Dhar, Beauty Biswas, Sneha Limaye, Alope Ghoshal
-
- PA4416 Evaluation bronchial hyperresponsiveness in patients with persistent allergic rhinitis**
Dragan Koruga (Novi Sad, Republic of Serbia), Sanja Hromis, Nenad Baletić, Aleksandar Perić
-
- PA4417 Identifying gaps in care: review of bronchiectasis care in a general respiratory unit**
Belinda Liu (Wheelers Hill, Australia), Natasha Smallwood, Megan Rees
-
- PA4418 Correlation between sputum and blood eosinophils in asthmatic and COPD patients with comorbidities.**
Patrizia Pignatti (Vigevano (PV), Italy), Dina Visca, Etienne Lucini, Francesca Cherubino, Elisabetta Zampogna, Claudia Celesia, Giovanni Sotgiu, Antonio Spanevello
-
- PA4419 Using fractional exhaled nitric oxide level to differentiate asthma–COPD overlap syndrome from COPD**
Fikret Kanat (Konya, Turkey), Volkan Taskin, Mecit Suerdem, Nedim Gurel, Baykal Tulek
-
- PA4420 Romanian awareness and screenings for Obstructive Airway disease - World Asthma and COPD Day 2017**
Ramona Elena Nedelcu (Bucuresti, Romania), Florin Dumitru Mihaltan, Ruxandra Ulmeanu
-
- PA4421 Association between subjective and objective cough assessment - preliminary report**
Michał Zieliński (Bytom, Poland), Dariusz Ziara
-
- PA4422 Nasal polyps as possible target to achieve the best biological treatment choice in severe asthma**
Manuela Latorre (Pisa (PI), Italy), Veronica Seccia, Maria Laura Bartoli, Lodovica Cristofani-Mencacci, Matteo Bradicich, Marta Maria Daniele, Roberta Del Cesta, Mario Miccoli, Silvana Cianchetti, Elena Bacci, Pierluigi Paggiaro
-
- PA4423 Obstructive sleep apnea as a risk factor for non-asthma control**
Fabricio Martins Valois (Sao Luis (MA), Brazil), Maria Do Rosario Da Silva Ramos Costa, Brendon Da Silva Santana, Laisson De Moura Feitosa, Ana Beatriz Campelo Campos, Gabriel Matos Machado, Lucas Otoni Lima Rocha, Ithaa Barboza Da Silva, Renato Simões Gaspar
-
- PA4424 Alpha 1-globulin fraction of serum protein electrophoresis for screening and early detection of alpha 1 antitrypsin deficiency**
Simone Scarlata (Roma (RM), Italy), Simona Santangelo, Panaiotis Finamore, Gilda Giannunzio, Davide Fontana, Raffaele Antonelli Incalzi
-
- PA4425 Increasing sputum basophils is a marker for eosinophil-dominant airway inflammation in adult asthma**
Keiko Wakahara (Nagoya, Japan), Tomoko Nishio, Yoshihiro Suzuki, Suguru Majima, Saya Nakamura, Yoshinori Hasegawa
-
- PA4426 Primary ciliary dyskinesia diagnosis in adult patients with bronchiectasis in Sao Paulo, Brazil.**
Mary Anne Kowal Olm (São Paulo (SP), Brazil), Rodrigo Abensur Athanazio, Samia Rached, Niki Tomas Loges, Heymut Omran, Rafael Stelmach, Paulo H.N. Saldiva, Thais Mauad
-
- PA4427 The nation-wide survey of primary ciliary dyskinesia in Japan**
Naozumi Hashimoto (Nagoya, Japan), Yoshinori Hasegawa, Naoto Keicho, Kazuhiko Takeuchi, Makoto Takase, Minako Hijikata, Akira Ando, Sakae Homma, Naohiko Inase
-
- PA4428 Longitudinal changes in exhaled and nasal nitric oxide in children and young adults with asthma.**
Christina Krantz (Uppsala, Sweden), Christer Janson, Kjell Alving, Andrei Malinovski
-
- PA4429 A comparison of unsupervised methods based on dichotomous data to identify clusters of airways symptoms: latent class analysis and partitioning around medoids methods.**
Rita Amaral (Porto, Portugal), Tiago Jacinto, Ana Pereira, Rute Almeida, João Fonseca
-
- PA4430 Comparison of aerosol delivery from two inhaler technique-guidance devices.**
Mark Sanders (Harlow (Essex), United Kingdom), Ron Bruin, Cuong Tran
-
- PA4431 Inhaler technique assessments in a real-life cohort of mepolizumab-treated patients**
Helle Haagensen Andersen (Brabrand, Denmark), Lene Mølgaard Pedersen, Anne Sofie Bjerrum
-
- PA4432 Poor inhaler technique revealed by investigating different aids in patients with COPD**
Karoline Litrup King (Århus N, Denmark), Lotte Hasling Kodbøl Jørgensen, Anders Løkke

PA4433 **Influence of personal characteristics of patients with bronchial asthma on their medication adherence**
Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Larisa V. Bogovin, Tatyana V. Platonkina

TP-26

Session 447

12:50 - 14:40

Thematic poster: Clinical and functional monitoring in airway disease

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Physiology General respiratory patient care Cell and molecular biology

Chairs : Sunny Jabbal (Dundee (Angus), United Kingdom), Paul Kirkham (Wolverhampton (West Midlands), United Kingdom), Sara Jane Bonvini (London, United Kingdom), Chair to be confirmed

PA4434 **Late Breaking Abstract - Effect on asthma control using a novel digital self-management system: a physician blinded randomised controlled cross-over pilot trial**
Björn Nordlund (Bromma, Sweden), Anna Carleborg, Henrik Ljungberg

PA4435 **Asthma control: how does patient perception relate to ACT and CARAT scores?**
Telmo Guerreiro (Moita, Portugal), Inês Barreto, Catarina Teles Martins, Cristina Bárbara

PA4436 **Association of Asthma Control Test (ACT) and Asthma Control Questionnaire (ACQ) with asthma exacerbation**
Manabu Uematsu (Fukushima, Japan), Junpei Saito, Suguru Sato, Atsuro Fukuhara, Yasuhito Suzuki, Ryuichi Togawa, Yuki Sato, Takefumi Nikaido, Yoshinori Tanino, Mitsuru Munakata, Yoko Shibata

PA4437 **Assessment of the broncodilator response using different methods: impulse oscilometry vs spirometry.**
Idoia Salinas Garrido (Bilbao, Spain), Nuria Marina Malanda, Borja Ortiz De Urbina Antia, Ana Gomez Larrauri, Mikel Santiago Burruchaga, Juan B. Galdiz Iturri

PA4438 **Tachyphylaxis and cough reflex sensitivity**
Nicholas James (Cottingham, United Kingdom), Wesley Cheung, Caroline E Wright, Alyn H Morice

PA4439 **Methacholine challenge test with impulse oscillometry versus spirometry: which is more sensitive in detecting airway hyper-responsiveness (AHR?)**
Akbar Sharifi (Tabriz, Islamic Republic of Iran), Masoud Nazemiyeh

PA4440 **Investigation of shortened lung clearance index (LCI) in the Bronch-UK Clinimetrics study.**
Katherine O'Neill (Belfast (Belfast), United Kingdom), Gokul R Lakshmipathy, Curtis Neely, Denise Cosgrove, Kathryn Ferguson, J. D. Chalmers, Mary Carroll, Anthony Desoyza, Timothy Gatheral, A. T. Hill, John. R Hurst, Michael. R Loebinger, J. S. Elborn, Judy M. Bradley

PA4441 **Small airway impairment in severe asthmatic patients**
Marco Contoli (Ferrara (FE), Italy), Luca Morandi, Federico Bellini, Sara Soave, Giacomo Forini, Giulia Gnesini, Alberto Papi

PA4442 **Exhaled breath profiling by electronic nose enabled discrimination of allergic rhinitis and extrinsic asthma.**
Silvano Dragonieri (Bari (BA), Italy), Vitaliano Quaranta, Pierluigi Carratu, Teresa Ranieri, Onofrio Resta

PA4443 **Electronic monitoring devices: the saviour of poor control in asthma?**
Ireti Adejumo (Nottingham (Nottinghamshire), United Kingdom), Dominick Shaw

PA4444 **Small airways disease evaluation in patients with mild/moderate asthma and correlation with bronchial hyperresponsiveness and disease control**
Maria Kipourou (Thermi Thessaloniki, Greece), Pavlos Michailopoulos, Evangelos Ntinapogias, Christoforos Bikas, Georgios Spyropoulos, Konstantinos Kostikas, Stelios Loukides, Konstantinos Katsoulis

PA4445 **A correlative analysis between spirometry and MostGraph using the 23306 data from 3979 patients in clinical practice.**
Yuki Nakamura (Matsusaka City, Mie Prefecture, Japan), Kentaro Ito, Kazuki Furuhashi, Yuta Suzuki, Haruko Saiki, Tadashi Sakaguchi, Yoichi Nishii, Osamu Hataji

PA4446 **Airway hyperresponsiveness to mannitol is an independent marker of asthma control and disease phenotype**
Asger Sverrild (København NV, Denmark), Christian Westergaard, Anna Von Bülow, Pernille Udesen, Simon Francis Thomsen, Vibeke Backer, Celeste Porsbjerg

PA4447 **Usefulness of mannitol challenge testing for diagnosing asthma in everyday clinical practice**
Charlotte Suppli Ulrik (Virum, Denmark), Signe Knag Pedersen, Amalie Sturis Ustrup, Camilla Boslev Bårnes

PA4448 **Earlier use of fractional exhaled Nitric Oxide (FeNO) and challenge testing improves speed and accuracy of asthma diagnosis. MacLeod J, Respiratory Physiology, Bradshaw TA, Respiratory Medicine, Royal Infirmary of Edinburgh**
Jill MacLeod (Edinburgh (Edinburgh), United Kingdom), Tracey Bradshaw

- PA4449 Multiple Breath Washout (MBW) training, certification and quality control during the iBEST-1 trial in bronchiectasis (BE).**
Katherine O'Neill (Belfast (Belfast), United Kingdom), Michael M. Tunney, Gerhild Angyalosi, Charles Haworth, Michael R. Loebinger, Judy M. Bradley, J. Stuart Elborn
- PA4450 A novel point of care test for sputum sample stratification prior to the quantitative measurement of active neutrophil elastase**
Darragh McCafferty (Belfast (Belfast), United Kingdom), Kelly Moffitt, Charlene Robb, Diane Ramsay, Ashleigh Kennedy, Timothy Ferguson, Brian Walker
- PA4451 Repeatability of PExA SPA and albumin as small airways dysfunction candidate biomarkers in Asthma.**
Marcia Soares (Leicester (Leicestershire), United Kingdom), Hatice Koca, Anna-Carin Olin, Salman Siddiqui
- PA4452 Evaluating the accuracy of commercially available finger pulse oximeters in a hospital setting**
Helen Liddicoat, Rory Mcdermott, Anna Moore
- PA4453 Fractional exhaled nitric oxide (FeNO) suppression with directly observed inhaled corticosteroid therapy: does it make a difference to patient outcomes?**
Shoab Faruqi (Cottingham, United Kingdom), Joanne Thompson, Terry Robinson, Karen Watkins, Helena Cummings, Nicola Jackson, Anoop Prakash, Michael Crooks

TP-27

Session 448

12:50 - 14:40

Thematic poster: Asthma, rhinitis and COPD: cells, mediators, biomarkers and geneticsDisease(s) : **Airway diseases** **Interstitial lung diseases** **Respiratory critical care**

Method(s) : Epidemiology Public health General respiratory patient care Cell and molecular biology

Chairs : Konstantinos Samitas (Athens, Greece), Enrico Marco Heffler (Torino (TO), Italy), Ibon Eguiluz Gracia (Malaga, Spain), Cecilia K. Andersson (London, United Kingdom)

- PA4454 Red cells distribution width as a potential biomarker in COPD.**
Sara Ramponi (Cingia de' Botti (CR), Italy), Maurizio Marvisi, Laura Balzarini, Chiara Mancini, Chiara Marvisi
- PA4455 The expression of selected biomarkers at the systemic and local level in patients with COPD**
Patrycja Nejman-Gryz (Warszawa, Poland), Magdalena Paplińska-Goryca, Małgorzata Proboszcz, Katarzyna Górka, Marta Maskey-Warzęchowska, Rafał Krenke
- PA4456 Eosinophils from healthy children (1-3 years) and adults express high levels of prostaglandin D2 receptor 2 (DP2)**
Veit Johannes Erpenbeck (Basel, Switzerland), Pamela A Groh, Kristi L Curtsinger, Cross Sarah, Ieuan Jones, Surendra Machineni, Maciej Cabanski, Alessandra Vitaliti, Ying Pluess-Li, Aurelie Verles, Baskaran Dharmalingam, G K Khurana Hershey
- PA4457 IDENTIFICATION OF A DISTINCT EOSINOPHIL SUBPOPULATION IN INDUCED SPUTUM FROM ATOPIC ASTHMATICS**
Eder Freydy Mateus Medina (Barcelona, Spain), Ruben Osuna Gomez, Cristina Ujaldón Miró, Astrid Crespo Lessman, Alba García Moral, Elena Curto Sánchez, Lorena Soto Retes, Vicente Plaza Moral, David Ramos Barbón
- PA4458 Eosinophil-derived neurotoxin (EDN) in healthy and asthmatic volunteers**
Simon Young (Melbourn, United Kingdom), Bert Rutten, Nisha Kurian, Rabia Hidi, Glen Hughes
- PA4459 Increased sputum B cells in severe eosinophilic asthma: a local auto-inflammatory process**
Hui Fang Lim (Singapore, Singapore), Sheau Yng Lim, Manali Mukherjee, Nadia Suray Tan, Wai Shiu Fred Wong, Veronique Angeli
- PA4460 Effect of MTHFR C677T polymorphism on allergic airway disease in asthma patients**
Marina Lampalo (Zagreb, Croatia), Irena Jukic, Jasna Bingulac-Popovic, Ana Hecimovic, Nikola Ferrara, Sanja Popovic-Grlc
- PA4461 19 bp del DHFR POLYMORPHISM IN BRONCHIAL ASTHMA**
Margarida Castro (Lisbon, Portugal), Joana Ferreira, Diogo Sarmento, Carla Carvalho, Andreia Matos, Manuel Bicho
- PA4462 Polymorphism of genes (IL4, IL5) as genetic predisposition to asthma in children**
Svetlana Smirnova (Krasnoyarsk, Russian Federation), Marina Smolnikova, Olga Konopleva
- PA4463 Comparative analysis of the morphological features of the mucous membrane in various clinical forms of rhinitis**
Sadyk Gusniev (Moscow, Russian Federation), Tatyana Barkhina, Michail Guschin, Sergey Polner
- PA4464 Estimation of prevalence of grass pollen sensitization among patients with seasonal allergic rhinitis in Armenia**
Irina Morsikyan (Yerevan, Armenia), Armen Nazanyan, Ovsanna Asatryan, Sevan Iritsyan, Bella Kalashyan, Anna Garukyan, Artur Shukuryan

PREVALENCE OF SENSITIZATION TO AVIAN OR FUNGAL PROTEINS IN DIFFERENT WORK ENVIRONMENTS.

- PA4465** M^a Jesus Cruz Carmona (Barcelona, Spain), Tomás Montalvo, Iñigo Ojanuren, Christian Romero-Mesones, MariA-Dolores Untoria, Silvia Sánchez-Díez, Juan-Carlos Senar, Sandra Franco-Gutierrez, Victor Peracho-TobefiA, Ferran Morell, Xavier MuñOz
-
- PA4466** **Penicillium oxalicum, a dominant airborne fungal spore allergen from West Bengal, India**
Partha Karak (Kolkata (West Bengal), India), Sharmistha Das, Kashinath Bhattacharya
-
- PA4467** **Clinical peculiarities of seasonal respiratory allergy in children**
Olena Kuznietsova (Zaporizhzhia, Ukraine), Svitlana Nedelska
-
- PA4468** **Peculiarities of cytokine concentration in patients with nasal polyposis and asthmatic triad**
Svetlana Smirnova (Krasnoyarsk, Russian Federation), Anna Lazareva, Oksana Kolenchukova
-
- PA4469** **The role of certain regulatory cytokines in the immunopathogenesis of extrinsic allergic alveolitis**
Gulbahor Fazilova (Samarkand, Uzbekistan), Gulbahor Fazilova, Jamshid Ismailov, Nematilla Aralov
-
- PA4470** **Immunological features of active herpesviral infection in bronchial asthma**
Anna Konishcheva (Moscow, Russian Federation), Valentina Gervazieva
-
- PA4471** **Serum leptin – is it associated with levels of airway responsiveness?**
Louise Lindhardt Toennesen (Copenhagen, Denmark), Celeste Porsbjerg, Charlotte Suppli Ulrik, Lotte Harmsen, Vibeke Backer
-
- PA4472** **The diagnostic value of biomarkers in allergic and non-allergic asthma phenotype**
Marina Lampalo (Zagreb, Croatia), Irena Jukic, Jasna Bingulac-Popovic, Nikola Ferara, Sanja Popovic-Grle
-
- PA4473** **Relationship between HLA-DQA1, -DQB1 gene polymorphism and susceptibility to pollen allergy in Russians**
Bella Shamgunova (Astrakhan', Russian Federation), Natalia Astafieva, Ludmila Zaklyakova, Denis Kobzev

TP-28

Session 449

12:50 - 14:40

Thematic poster: Epidemiology of asthma, COPD and factors that associate with lung functionDisease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Public health General respiratory patient care Epidemiology

Chairs : Tomas Mikal Lind Eagan (Bergen, Norway), Deborah Jarvis (London, United Kingdom), Linnea Hedman (Luleå, Sweden), Simone Accordini (Verona (VR), Italy)

- PA4474** **Late Breaking Abstract - COPD knowledge in a swiss frail selected population**
Gregory Clark (La Chaux-de-Fonds, Switzerland), Marc Marechal, Dominique Monnin
-
- PA4475** **Montelukast and the risk of major adverse cardiovascular events – a Danish population-based case-control study**
Daniel Pilsgaard Henriksen (Odense C, Denmark), Jesper Rømhild Davidsen, Christian B. Laursen
-
- PA4476** **Changes in asthma drug use in France between 2006 and 2015: a claims data study**
Manon Belhassen (LYON, France), Maeva Nolin, Marine Ginoux, Eric Van Ganse
-
- PA4477** **An overview of asthma exacerbation hospital management in Portugal**
Lígia Helena Pires Vicente (Portimão, Portugal), Ana Arrobas, João A Fonseca, Teresa Bandeira, Carla Sofia Loureiro, Claudia Catarina Loureiro, Filipa Todo Bom, Nelia Lima, Carlos Robalo Cordeiro
-
- PA4478** **Adherence to inhaled corticosteroids before and after an asthma-related hospitalisation: distinct trajectories**
Manon Belhassen (LYON, France), Maeva Nolin, Marine Ginoux, Eric Van Ganse
-
- PA4479** **The simple 10-item PARC tool predicts childhood asthma in an external validation cohort**
Eva Sophie Lunde Pedersen (Bern, Switzerland), Ben D Spycher, Carmen De Jong, Florian Halbeisen, Alban Ramette, Erol A Gaillard, A John Henderson, Raquel Granell, Claudia E Kuehni
-
- PA4480** **Association of household environmental factors and respiratory symptoms in children: a multicentric Italian study**
Marzia Simoni (Pisa (PI), Italy), Sandra Baldacci, Mario Canciani, Carlo Pini, Luigia Maria Brunetti, Luciana Indinnimeo, Paolo Carrer, Annibale Biggeri, Piersante Sestini, Sara Maio, Fabio Cibella, Gaspare Drago, Silvia Ruggieri, Giovanni Viegi
-
- PA4481** **Use of inhaled corticosteroids and the risk of osteoporosis: an international cohort study**
Amelia Grosso (Pavia (PV), Italy), Lucia Cazzoletti, Federica Albicini, Erica Gini, Elisabetta Zanolin, Vanessa Ronzoni, Valentina Conio, Rita Di Domenica, Angelo Guido Corsico, Debbie Jarvis, Christer Janson, Isa Cerveri

- PA4482 Risk factors of abnormal lung function in children and adolescents – data from the LEAD (Lung, hEart, sociAl, boDy) Study**
Alina Ofenheimer (Wien, Austria), Marie-Kathrin Breyer, Matthias Urban, Sylvia Hartl, Otto Christian Burghuber, Andrea Schrott, Robab Breyer-Kohansal
- PA4483 Mediation analysis of CRP on the association of physical activity with FEV1 and FVC: the ECRHS study.**
Elaine Fuertes (Barcelona, Spain), Anne-Elie Carsin, Vanessa Garcia Larsen, Stefano Guerra, Isabelle Pin, Benedicte Leynaert, Simone Accordini, Jesus Martinez-Moratalla, Josep M Anto, Isabel Urrutia, Audrey Le Gouellec, Joachim Heinrich, Thorarinn Gislason, Rain JõGi, Christer Janson, Debbie Jarvis, Judith Garcia-Aymerich
- PA4484 Mortality rates of COPD Patients in UK Electronic Health Records (Clinical Practice Research Datalink)**
Alicia Gayle (London, United Kingdom), Eleanor Axson, Chloe Bloom, Vidya Navaratnam, Jennifer Quint
- PA4485 Factors associated with recurrent admissions for bronchiectasis exacerbation in Asians**
Isaac Fong (Singapore, Singapore), Anthony Yii, Sandra Hui, Teck Boon Low
- PA4486 Exacerbation frequency and eosinophil levels for GOLD C and D COPD patients currently prescribed multiple inhaler triple therapy (MITT)**
Victoria Benson (Uxbridge (Middlesex), United Kingdom), James Siddall, Mark Small, Hana Muellerova
- PA4487 Prevalence of bronchial asthma and COPD in Baku**
Gulzar Aliyeva (Baku, Azerbaijan), Irada Akhundova, Eljan Mammadbayov, Ilgar Mustafayev, Janina Makarova, Averyan Vasylyev, Kamalya Suleymanova
- PA4488 Different relation between exhaled nitric oxide and lung function with regard to current smoking**
Elisabet Nerpin (Falun, Sweden), Debbie Jarvis, Mario Olivieri, Thorarinn Gislason, Anna-Carin Olin, Christer Janson, Andrei Malinovschi
- PA4489 Endothelial dysfunction is associated with impaired lung function in two independent community cohorts**
Andreas Rydell (FALUN, Sweden), Christer Janson, Karin Lisspers, Björn Ståhlberg, Christoph Nowak, Axel Carlsson, Tobias Feldreich, David Igman, Lars Lind, Johan Årnlöv
- PA4490 What's in a postcode? Socioeconomic deprivation in the primary care 2015-17 COPD audit**
Philip Stone (London, United Kingdom), Viktoria Mcmillan, Juliana Holzhauer-Barrie, Noel Baxter, C Michael Roberts, Jennifer Quint
- PA4491 Respiratory diseases admissions due to the smog episode in Warsaw in January 2017**
Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki, Piotr Oskar Czechowski, Tomasz Owczarek, Andrzej Chciałowski
- PA4492 Respiratory disease phenotypes in a general population sample: latent transition analysis**
Sara Maio (Pisa (PI), Italy), Salvatore Fasola, Sandra Baldacci, Laura Carrozzini, Francesco Pistelli, Marzia Simoni, Stefania La Grutta, Vito Muggeo, Giovanni Viegi

TP-29

Session 450

12:50 - 14:40

Thematic poster: Respiratory epidemiology: from infectious diseases to lung cancer

Disease(s) : Respiratory infections Respiratory critical care Pulmonary vascular diseases Sleep and breathing disorders Thoracic oncology Airway diseases Respiratory infections

Method(s) : Respiratory intensive care Epidemiology Public health General respiratory patient care

Chairs : Per Sigvald Bakke (Bergen, Norway), Jennifer Quint (Wimbledon, United Kingdom), Giovanni Viegi (Pisa (PI), Italy), Valerie Siroux (La Tronche, France)

- PA4493 Outdoor air pollution and lung function in middle-aged adults of the ELISABET study**
Anaïs Havet (Villejuif, France), Sébastien Hulo, Damien Cuny, Florent Occelli, Natalie Cherot-Kornobis, Jonathan Giovannelli, Régis Matran, Philippe Amouyel, Jean-Louis Edmé, Luc Dauchet
- PA4494 Two years' follow-up with real life quantitative measurement of ambulation under oxygen therapy in patients with chronic respiratory disease (ACTIMETRE study).**
Lionel Lrousseau (Antibes Cedex, France), Ari Chaouat, Gilles Jebrak, Alain Palot, Daniel Piperno, Serge Verdier, Gilles Giannoli, Didier Perrin, Eric Leutenegger
- PA4495 Population prevalence of hypercapnic respiratory failure in south-western Sydney, Australia**
Yewon Chung (Sydney (NSW), Australia), Frances Louise Garden, Guy Barrington Marks, Hima Vedam
- PA4496 Risk Assessment for Obstructive Sleep Apnea Syndrome and Excessive Daytime Sleepiness in a Greek nursing staff population using the Berlin Questionnaire and Epworth Sleepiness Scale**
Sotirios Zarogiannis (Larisa, Greece), Alexia Alexandropoulou, George Vavougiou, Chrissi Hatzoglou, Konstantinos Gourgoulianis

- PA4497 Hospitalizations for pulmonary hypertension in Switzerland 2002-2015**
Fabian Aigner (Zürich, Switzerland), Florent Baty, Sebastian Tonko, Otto Dagobert Schoch, Martin Brutsche
- PA4498 Change in age distribution of critically ill patients in an aging society**
Song-I Lee (Seoul, Republic of Korea), Chae-Man Lim
- PA4499 A systematic review of comorbidities and outcomes of patients with pleural infection**
Tamsin Cargill (Oxford (Oxfordshire), United Kingdom), Tamsin Cargill, Maged Hassan, John Corcoran, Elinor Harris, Rachele Asciak, Rachel Mercer, Rob Hallifax, Najib Rahman
- PA4500 Survival impact of comorbidity in German Lung Cancer patients - a claims data-based 'Comorbidome'**
Larissa Schwarzkopf (Neuherberg, Germany), Monika Murawski
- PA4501 Cardiopulmonary diseases and lung cancer mortality due to PM2.5 exposure in 11 Polish Agglomerations in 2006-2015**
Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki
- PA4502 Vaccination rates against pneumococcal and influenza infection in hospitalized cardiologic and pneumologic patients need to be improved.**
Elisabeth Smolle (Graz, Austria), Tanja Roebldreiter, Holger Flick
- PA4503 Burden of influenza and impact of seasonal vaccination in Europe - a ten year forecast.**
Devashri Mukherjee (Bangalore (Karnataka), India), Nicole Zhang, Lade Ayodele
- PA4504 The etiological role of common respiratory viruses in acute respiratory infections in older adults: A systematic review and meta-analysis**
Ting Shi (Edinburgh (Edinburgh), United Kingdom)
- PA4505 The prevalence and clinical profile of non-tuberculous mycobacterial pulmonary infection in Singapore**
Albert Lim (Singapore, Singapore), Cheryl Khoong, Akash Verma, John Abisheganaden
- PA4506 Etiology of bronchiectasis in Finland**
Jarkko Mäntylä (Espoo, Finland), Witold Mazur, Arja Viinanen, Minna Purokivi, Paula Kauppi
- PA4507 The incidence of acute respiratory viral infections and pneumonia in the Central administrative district of Moscow.**
Tatiana Bilichenko (Moscow, Russian Federation), Maryana Tubekova, Olga Gruzdeva, Larisa Astachova
- PA4508 Lung cancer incidence trends in Croatia: emergency for public health interventions**
Marina Polić Vižintin (Zagreb, Croatia), Ingrid Tripković, Suzana Kukulj, Zvonimir šOstar
- PA4509 Obstructive Sleep Apnea (OSA) Assessment in the elderly. Preliminary results.**
Pierluigi Intiglietta (Bari (BA), Italy), Giulia Gaudiuso, Giorgio Castellana, Lorenzo Marra, Giancarlo Logroscino, Onofrio Resta
- PA4510 Childhood TB deaths in a Romanian County, 1998-2015; causes and significance**
Adriana Sorete Arbore (Iasi, Romania), Violeta Cojocariu
- PA4511 Smoking and lung cancer in Albania**
Daniela Xhemalaj (Tirana, Albania), Perlat Kapisyzi, Hasan Hafizi, Silva Bala, Ilir Peposhi, Marius Krushova, Alma Andoni, Asela Hasa, Elona Hila

TP-30

Session 451

12:50 - 14:40

Thematic poster: Occupational and environmental lung diseases: inhaled air quality and health effects

Disease(s) : Airway diseases Respiratory infections Respiratory critical care Interstitial lung diseases Respiratory infections

Method(s) : Physiology Public health Epidemiology General respiratory patient care Imaging

Chairs : Holger Dressel (Zürich, Switzerland), Paul Cullinan (London, United Kingdom), Ruth Wiggans (Manchester (Greater Manchester), United Kingdom)

- PA4512 Protective effects of nootkatone against particles-induced lung injury caused by diesel exhaust is mediated via the NF- κ B pathway**
Abderrahim Nemmar (Al-Ain, United Arab Emirates), Suhail Al-Salam, Sumaya Beegam, Priya Yuvaraju, Badreldin H Ali
- PA4513 Seasonal variation of exacerbation and patient-reported outcomes (PROs) in chronic obstructive pulmonary disease (COPD)**
Tsung Yu (Tainan, Taiwan), Anja Frei, Gerben Ter Riet, Milo Puhan

- PA4514 Symptoms of moderate exercise in subzero temperatures - An experimental exposure study**
Linda Eklund (Spånga, Sweden), Filip Schagatay, Rita Sjöström, Lars Söderström, Helen Hanstock, Thomas Sandström, Nikolai Stenfors
- PA4515 Exposure to air pollution and incidence of pneumothorax**
Maher Maoua (Sousse, Tunisia), Haifa Aroui, Sana Aissa, Asma Chouchane, Mariem Hafsia, Kacem Imen, Sana El Guedri, Aicha Brahem, Houda Kalboussi, Olfa Elmaalel, Souheil Chatti, Ahmed Abdelghani, Mohamed Benzarti, Najib Mrizek
- PA4516 Biomass smoke exposure and respiratory health in Madagascar**
Rondro-Nirina Raharimanana (Majunga 40, Madagascar), Andrianandrasana Herizo Rajaonary, Daniella Randriamanana, Jocelyn Rakotomizao, Joelson Rakotoson, Michel Tiaray Harison, Njaka Andriamahenina, Ange Andrianarisoa, Andrianaivo Ralison, Denis Charpin, Brigitte Rahoelina, Jean De Dieu Marie Rakotomanga, Pierre L'Her, Jean-Marie Tschopp, Raelina Andriambololona, Chantal Raheison-Semjen
- PA4517 Influence of the duration of working in a textile factory on respiratory functions and sleep quality**
Buse Sortoglu (İstanbul, Turkey), Irem Kurt, Semiramis Özyilmaz, Ertuğrul Safran, Hülya Nilgün Gürses
- PA4518 Acute effects of gaseous ambient air pollution on cardiorespiratory admissions in China: a time series analysis**
Katherine Newell (Oxford (Oxfordshire), United Kingdom), Christiana Kartsonaki, Om Kurmi, Haidong Kan, Zhengming Chen, Hubert Lam
- PA4519 Seasonality of Pulmonary Tuberculosis in Sousse (Tunisia): Analysis of time series**
Aissa Sana (Sousse, Tunisia), Maoua Maher, Sfaxi Raoudha, Benzarti Wafa, Gargouri Imen, Abdelghani Ahmed, Garrouche Abdelhamid, Hayouni Abdelaziz, Mrizek Nejib, Benzarti Mohamed
- PA4520 Asbestos exposure still exists: Do not miss the radiological findings**
Abdulsamet Sandal (Ankara, Turkey), Seval Müzeyyen Ecin, Adem Koyuncu, Gamze Durhan, Meltem Gülsün Akpınar, Ahmet Uğur Demir, Lütfi Çöplü
- PA4521 Profile of high altitude pulmonary edema(HAPO) among young healthy reinductees.**
Mahaveera Bnbm Prasad (Bengalure (Karnataka State), India)
- PA4522 Periodic workplace screenings : are pulmonary function tests performed with right technique ?**
Peri Meram Arbak (Düzce, Turkey), Ipek Ozmen, Savaş Kanbur, Elif Yıldırım, Reyhan Yıldız, Birsen Ocaklı
- PA4523 Socioeconomic and quality of life impact of work-related asthma in São Paulo, Brazil**
Lavinia Clara Del Roio (São Paulo (SP), Brazil), Mario Terra-Filho, Ubiratan Paula Santos
- PA4524 Exposure-response relations in occupational rhinitis in textile workers : time of onset.**
Maher Maoua (Sousse, Tunisia), Houda Rouis, Ahmed Abdelghani, Sana Aissa, Sana Guedri, Imene Kacem, Aicha Brahem, Houda Kalboussi, Olfa Elmaalel, Souheil Chatti, Nejib Mrizak
- PA4525 Worker in a tatami factory: Case report of asthma in a complex and multiple occupational exposure**
Daniel Bruno Takizawa (Sao Paulo (SP), Brazil), Philippe Colares, Gabriela Lins Medeiros De Assunção, Elisa Maria Siqueira Lombardi, Rafael Futoshi Mizutani, Gustavo Faibischew Prado, Mario Terra-Filho, Ubiratan De Paula Santos
- PA4526 Long-term respiratory effects of exposure to welding fumes: Quebec apprentice cohort study**
Eva Suarhana (Montréal (Québec), Canada), Meshack Achore, Mahsa Taghiakbari, Catherine Lemiere, Mounia Rhazi, Denyse Gautrin, Mariam El-Zein
- PA4527 AVERNESS OF POLISH PULMONOLOGISTS ABOUT THE IMPACT OF AIR POLLUTION ON HEALTH**
Tadeusz Zielonka (Warsaw, Poland)
- PA4528 Influence of Smoking, Environmental Factors and Life Style on Lung Function in a Large German Cohort**
Rainer G. Wiewrodt (Münster, Germany), Bianca Höpfner, Charlotte Aries, Lars Henning Schmidt, Arik Bernard Schulze, Karlheinz Blackert, Marion Wencker, Felix J. Herth
- PA4529 Tapioca starch powder as a new cause of occupational asthma in bakers**
Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Joan Pilling, Jennifer Hoyle
- PA4530 Risk factors of respiratory symptoms in urban Pakistani population**
Zohaib Akhter (karachi, Pakistan), Asaad Ahmed Nafees, Unaib Rabbani, Shama Razzaq, Muhammad Irfan
- PA4531 The 6-minute walk test as a prognostic marker in patients with silicosis**
Victoria Arnalich Montiel (Vigo, Spain), Jose Alberto Fernandez Villar, Jose Jesus Blanco Perez

TP-31

Session 452

12:50 - 14:40

Thematic poster: Epidemiology of the use of traditional and emerging tobacco products and e-cigarettes

Disease(s) : Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : General respiratory patient care Surgery Epidemiology Public health

Chairs : Elif Dagli (Istanbul, Turkey), Mateusz Jankowski (Katowice, Poland), Paraskevi Katsaounou (Athens, Greece), Keir E. Lewis (Llanelli (Dyfed), United Kingdom)

- PA4532 Comparison of concomitant use of water pipe and cigarette to exclusive cigarette smoking**
Zahra Hessami (Tehran, Islamic Republic of Iran), Hooman Sharifi, Gholamreza Heydari, Sogol Sobhani
-
- PA4533 Evaluation of prevalence and severity of nicotine addiction among water pipe tobacco smokers in Tehran**
Zahra Hessami (Tehran, Islamic Republic of Iran), Hooman Sharifi, Mahshid Aryanpour, Sogol Sobhani
-
- PA4534 Assessment of Water Pipe Use in Hospitality Establishments in Istanbul**
Elif Dagli (Istanbul, Turkey), Pinar Ay, Osman Elbek, Fusun Yildiz, Tanzer Gezer, Murat Ceyhan, Murat Guner
-
- PA4535 Assessment of Smoke-Free Compliance in Enclosed Spaces of Hospitality Establishments in Istanbul between 2013 and 2017**
Elif Dagli (Istanbul, Turkey), Pinar Ay, Fusun Yildiz, Osman Elbek, Tanzer Gezer, Murat Guner, Murat Ceyhan
-
- PA4536 Domestic Exposure to Tobacco Smoke in Children**
Farshad Sharifi (Tehran, Islamic Republic of Iran), Mehdi Varmaghani, Mohammad Reza Masjedi, Masoume Mansouri, Gita Shafiee, Payam Roshanfekar
-
- PA4537 Investigating the possibility of net transition in the three stages of smoking Iranian men**
Mahshid Aryanpour (Tehran, Islamic Republic of Iran), Seyed Mohammadreza Aryan, Mahmoud Yousefifard, Hooman Sharifi, Zahra Hessami, Mostafa Hosseini, Alireza Oraei, Gholamreza Heydari, Mehdi Kazempour-Dizaji, Hamidreza Jamaati
-
- PA4538 Prospective survey referring to the smoking habits among high school students in Plovdiv, Bulgaria (2004-2010-2016)**
Filip Shterev (Plovdiv, Bulgaria), Zlatka Iankova, Ivan Novakov, Nonka Mateva
-
- PA4539 Smoking behaviour and age**
Elif Şen (Ankara, Turkey), Fatma Çiftci, Sumeyye Ayoç, Dursun Baygul, Zeynep Pinar Onen
-
- PA4540 Smoking in a tertiary hospital**
Virginia Almadana Pacheco (Sevilla, Spain), Jose Antonio Delgado, Sindy Berenice Cedeño, Pedro Rodriguez, Soledad Monserrat, Agustín Valido
-
- PA4541 Exclusive e-cigarette use among Parisian school students**
Bertrand Dautzenberg (Paris, France), Hugo Torregrossa, Maria Melchior, Nicole Rieu, Pierre Birkui, Murielle Mary-Krause, Marie-Dominique Dautzenberg
-
- PA4542 An observational study of the use and knowledge about e-cigarettes in young Greek adults**
Athanasia Pataka (Thessaloniki, Greece), Serafim Chrysovalantis Kotoulas, Evangelia Panagiotidou, Evangelos Chatzopoulos, Panagiotis Kosmoliaptis, Areti Katsouda, Kyriaki – Rafailia Kavazidi, Niki Mpatou, Emiliza Stefanidou, Paraskevi Argyropoulou
-
- PA4543 The prevalence of e-cigarette and cigarette smoking among students in Central and Eastern Europe - preliminary results of YUPESS study.**
Grzegorz Brozek (Katowice, Poland), Mateusz Jankowski, Andrei Shpakou, Michal Poznanski, Ludmila Klimackaya, Jelena Loginovic, Justina Gereova, Marta Rachel, Ihar Naumau, Kamil Kornicki, Zuzana Kristufkova, Krzysztof Bielewicz, Jan Zejda
-
- PA4544 Electronic cigarette and quit smoking quest in Twitter: Preliminary study**
Mehmet Atilla Uysal (Istanbul, Turkey), Asli Carkoglu, Ahmet Kurnaz
-
- PA4545 Digital epidemiology: Can Google trends give some information about electronic cigarette usage in Turkey?**
Mehmet Atilla Uysal (Istanbul, Turkey), Yelda Niksarlioglu, Asli Carkoglu, Omer Uysal, Ali Cevat Kutluk, Bulent Karadag
-
- PA4546 Electronic Smoking In Parents In Pregnancy; A Multicenter Cross-Sectional Study**
Serap Duru (Ankara, Turkey), Elif Özari Yıldırım, Tulin Sevim, Fusun Topcu, Bilun Gemicioğlu, Ipek Ozmen, Birsen Ocakli, Eylem Tuncay, Hilal Altınöz, Yasam Kemal Apak, Yelda Varol, Gulru Polat, Serir Ozkan, Nese Dursunoglu, Derya Sakarya, Pinar Yildiz Gulhan, Ozlem Ercen Diken, Pelin Duru Cetinkaya, Arzu Yorgancioglu, Nursel Turkoglu Selcuk, Fusun Yildiz, Tijen Atacag, Yelda Niksarlioglu, Esra Uzaslan, Nurdan Kokturk
-
- PA4547 Prevalence, views and experience of e-cigarette use by COPD patients in The Birmingham COPD Cohort**
Matthew Swallow (Birmingham, United Kingdom), Amanda Farley, Rachel Jordan, Alexandra Enocson, Andy Dickens, David Fitzmaurice, Peymane Adab

- PA4548** **Documentation of electronic nicotine delivery systems (ENDS) in medically admitted patients in Connolly Hospital Dublin.** Fiona O'Driscoll, Shahzad Ahmed, Waheed Shah, Professor John Faul, Connolly Hospital Dublin, Dublin. Waheed Shah (Dublin 11, Ireland), Fiona O'Driscoll, Shahzad Ahmed, John Faul
- PA4549** **Electronic nicotine delivery systems - new challenge for tobacco control policy: results from Russian tobacco control policy evaluation study**
Marine Gambaryan (Moscow, Russian Federation), Marina Popovich, Michail Starovoytov, Anna Kalinina, Oxana Drapkina, Sergey Boytsov
- PA4550** **Electronic cigarettes knowledge and use among smokers attending an intensive smoking cessation intervention programme**
Maria Aurora Pinto Mendes (Penafiel, Portugal), Paula Faustino, Teresa Almeida, Manuel Preto, M João Oliveira, Margarida Dias, Daniel Coutinho, Inês Ladeira, Miguel Guimarães, Ivone Pascoal
- PA4551** **A new era of smoking: Young peoples perceptions of emerging tobacco products.**
Jack Bozier (Glebe, Australia), Juliet Foster, Brian Oliver

TP-32

Session 453

12:50 - 14:40

Thematic poster: Tobacco use, attitudes and cessation training among healthcare professionals and prevention programmes

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : General respiratory patient care Epidemiology Public health

Chairs : Esra Uzaslan (Bursa, Turkey), Philip Tønnesen (Glostrup, Denmark), Dilek Karadoğan (Rize, Turkey), Chair to be confirmed

- PA4552** **Prevalence and knowledge about smoking among teachers in Romania**
Doina Adina Todea (Cluj-Napoca (Cluj), Romania), Eugenia Corina Budin, Corina Marginean
- PA4553** **Opinion ,habits and and impact of new antitobacco law on romanian medicine students**
Florin Dumitru Mihaltan (Bucuresti, Romania), Teodor Cristian Blidaru, Horea Constantin Chirila, Ruxandra Ulmeanu
- PA4554** **Student in medicine and e cigarette**
Florin Dumitru Mihaltan (Bucuresti, Romania), Andrei Voicu , Ruxandra Ulmeanu
- PA4555** **Smoking rate among patients and caregivers seen in the respiratory emergency department of a tertiary hospital**
Stamatoula Tsirikika (Athens, Greece), Martha Andritsou, Ioannis Kalomenidis, Spyros Zakyntinos, Paraskevi Katsaounou
- PA4556** **Pre-post pilot study of a one day smoking cessation training for health care professionals in charge with high risk smokers**
Letitia Trofor (Iasi, Romania), Ioana Buculei Porosnicu, Sophia Papadakis, Constantine Vardavas, Antigona Trofor, Panagiotis Behrakis
- PA4557** **How can we improve smoking cessation practices on the acute medical unit?**
Oscar Atkins (Bristol (Avon), United Kingdom), Kunaal Kaushik, Ricky Sharma
- PA4558** **Comparing primary care and hospital physicians' knowledge, behaviour and attitudes towards smoking cessation and effectiveness of a training seminar**
Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Inês Oliveira, Ana Alves Santos, Rafaela Campanha, Inês Ribeiro, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira
- PA4559** **Comparing smoking cessation knowledge and attitudes between junior and senior doctors prior a one-day training intervention**
Inês Lourenço Farias Carrilho De Oliveira (Almada, Portugal), Joana Carvalho, Ana Alves Santos, Rafaela Campanha, Inês Ribeiro, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira
- PA4560** **A national-wide survey of tobacco control curricula in medical schools**
Sofia Belo Ravara (Covilhã, Portugal), Vera Afreixo, Carlos Albuquerque, Mónica Condinho, Marília Santos Rua, Pedro Aguiar, Jorge Bonito
- PA4561** **Tobacco and e-cigarette use, and exposure to SHS among health sciences students: a national cross-sectional study**
Sofia Belo Ravara (Covilhã, Portugal), Vera Afreixo, Mónica Condinho, Marília Santos Rua, Carlos Albuquerque, Pedro Aguiar, Jorge Bonito
- PA4562** **Prevalence and determinants of cigarette smoking among university students**
Dilek Karadoğan (Rize, Turkey), Yalçın Kanbay, özgür önal, Deniz Say şahin
- PA4564** **Effect of passive cigarette smoke inhalation on college students**
Daryna Semotyuk (Lviv, Ukraine), Khrystyna Volnytska, Olha Tolokh, Taras Semotiuk

- PA4565 Tobacco smoking problems at children and students.**
Evelina Lokshina (Chernogolovka, Russian Federation), Eugenia Tolstova , Tatiana Rychkova, Olga Zaytseva
-
- PA4566 Smoking - family structure of origin and other determining factors**
Keyla Medeiros Maia Silva (Cuiaba (MT), Brazil), Cor Jesus Fernandes Fontes, Ubiratan Paula Santos
-
- PA4567 The practical evaluation of the prophylactic anti-smoking multi-modal program in adolescents**
Natalya Alexandrovna Mokina (Samara (Samara Oblast), Russian Federation), Igor Ivanovich Berezin, Vasilij Fedorovich Pjatin , Artyom Konstantinovich Sergeev, Egor Dmitrievich Mokin
-
- PA4568 The influence of peer smoking in smoking behaviour of adolescents**
Dimitra Mpousiou (Agiros Dimirios (Athens), Greece), Dimitra Lamprou, Michael Toumpis, Martha Andritsou, Areti Karathanasi, Dimitris Fouskakis, Theodora Katsaounou, Efthymios Zervas, Paraskevi Katsaounou
-
- PA4569 Smoking cessation counselling - taking family in a stride**
Manu Chopra (Ranchi (Jharkhand), India), Vasu Vardhan, Meenakshi Chopra
-
- PA4570 Disclosure of smoking in adolescents: a feasibility study**
Colette Datt (St Albans (Hertfordshire), United Kingdom), John Moreiras, Amir Hakim, Myra Stern
-
- PA4571 The effect of parental smoking and smoking inside the house in the adolescents attitude towards smoking**
Dimitra Mpousiou (Agiros Dimirios (Athens), Greece), Dimitra Lamprou, Michael Toumpis, Theodora Katsaounou, Dimitris Fouskakis, Marina Moscholaki, Areti Karathanasi, Christina Gratzou, Efthymios Zervas, Paraskevi Katsaounou

TP-33

Session 454

12:50 - 14:40

Thematic poster: Improvements in the assessment of paediatric physiology

Disease(s) : Sleep and breathing disorders Airway diseases Interstitial lung diseases

Method(s) : Epidemiology Imaging General respiratory patient care Physiology Public health

Chairs : Nicole Beydon (Paris, France), Melania Evangelisti (Roma (RM), Italy), Jenny Hallberg (Stockholm, Sweden), Kathryn Ramsey (Bern, Switzerland)

- PA4572 Forced Expiratory Flows and Volumes in a Swedish Cohort of Healthy Term Infants**
Paraskevi Kosma (Sundbyberg, Sweden), Charlotte Palme-Kilander, Matteo Bottai, Henrik Ljungberg, Jenny Hallberg
-
- PA4573 Comparison of bronchodilator responsiveness between forced oscillation technique and spirometry**
(,), Sindhu Sivagnanasithiyar, Georgios Kaltsakas, Richard Iles
-
- PA4574 Detection of heterogeneous lung emptying by shape of forced expiratory flow-volume curve in asthmatic children**
David Richard (Nancy, France), Sabrina Khelil, Stéphanie Metche, Aurelie Tatopoulos, Sébastien Kiefer, Claude Bonabel, Cyril Schweitzer, François Marchal, Silvia Demoulin-Alexikova, Iulia Ioan
-
- PA4575 Pulmonary Function in Young Wind Instrument Players**
Elpida Hatziagorou (Thessaloniki, Greece), Aikaterini Kousta, Alexandra Hristara – Papadopoulou , John Tsanakas
-
- PA4576 Reference values of impulse oscillometry and their correlation with predictors in healthy Turkish preschool children**
Zeynep Seda Uyan (Istanbul, Turkey), Ilkay Er, Ayla Gunlemez, Canan Baydemir, Fatih Kilicbay, Refika Ersu
-
- PA4577 Global Lung function Initiative (GLI) prediction equations fit the normal lung function in Bulgarian and Romany children**
Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Blagoi Marinov, Stefan Kostianev
-
- PA4578 Longitudinal assessment of lung function in patients with pectus excavatum (PE)>**
Daniel Trachsel (Basel, Switzerland), Emanuela Zannin, Raffaele Dellacà, Frank Martin Haecker, Thierry De Trey
-
- PA4579 Respiratory function in adolescents with idiopathic disorders of the spinal column.**
Athina Papadopoulou (Athens, Greece), Katerina Mikelatou, Achilleas Boutis, Emmanouil Tsafantakis, Despina-Zoe Mermiri
-
- PA4580 Assessment of respiratory function in adolescents with idiopathic scoliosis treated with brace.**
Athina Papadopoulou (Athens, Greece), Katerina Mikelatou , Achilleas Boutis , Emmanouil Tsafantakis, Despina-Zoe Mermiri
-
- PA4581 Exercise may improve airway clearance and alleviate hyperinflation in children with Cystic Fibrosis**
Kate H Regan (Edinburgh (Edinburgh), United Kingdom), Sarah Blacklock, Donald Urquhart
-
- PA4582 Short- and mid-term reproducibility of lung clearance index in children with cystic fibrosis and healthy controls**
Bettina Sarah Frauchiger (Bern, Switzerland), Sylvia Nyilas, Kathryn Ramsey, Philipp Latzin, Sophie Yammine

- PA4583 Normative data for the new setup of the SF6 multiple-breath washout in unsedated infants**
Johanna Manuela Kurz (Bern, Switzerland), Andras Laszlo Soti, Bettina Sarah Frauchiger, Insa Korten, Pinelopi Anagnostopoulou, Kathryn Ramsey, Philipp Latzin
- PA4584 A transition evening is a popular and effective way to deliver high quality transition in respiratory paediatrics**
Alison Scott (Tadcaster, United Kingdom), Emma Sheppard, Nichola Butler, Anita Critchlow
- PA4585 Measures of nocturnal oxyhemoglobin desaturation in children with obstructive lung disease or sleep-disordered breathing**
Athanasios G. Kaditis (Athens, Greece), Georgia Katsouli, Anastasia Polyarchou, Marina Tsaousoglou, Polytimi Panaghiotopoulou-Gartagani
- PA4586 Sleep clinical record and polysomnography scores in adolescents with sleep disordered breathing**
Melania Evangelisti (Roma (RM), Italy), Martina Forlani, Marco De Pozzo, Maria Elena Liverani, Maria Pia Villa
- PA4587 Unsupervised polysomnography in children: a technical and economic study**
Silke Anna Theresa Weber (Botucatu (SP), Brazil), Iury Lima, José Vicente Tagliarini
- PA4588 Assessment of Signal Integrity in Paediatric Cardiorespiratory Sleep Studies**
Ansel Godinho (London, United Kingdom), Kylie Russo, Aidan Lavery, Martin Samuels, Francois Abel
- PA4589 Obstructive Sleep Apnea syndrome (OSAS): A threatening ghost for β Thalassemia Major Children**
Luci Suliman (Mansoura, Egypt), Suzy Abdelmabood
- PA4590 Retrospective analysis of sleep breathing disorders in mucopolysaccharidosis type IVA**
Giulia Facchina (Caorle (VE), Italy), Alessandro Amadeo, Sonia Khirani, Genevieve Baujat, Syril James, Sylvain Breton, Brigitte Fauroux
- PA4591 Results of nocturnal oximetry in native and non-native children and adolescents residents at 2,418 m.**
Juan Carrillo Azocar (Santiago, Chile), Manuel Vargas, Pablo Vargas, Khanty Loyola

TP-34

Session 455

12:50 - 14:40

Thematic poster: Paediatric asthma: new insights in its prevalence, treatment and treatment failure

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Public health Epidemiology General respiratory patient care

Chairs : Giorgio Piacentini (Verona (VR), Italy), Thomas Janssens (Leuven, Belgium), Giuseppe Fabio Parisi (Catania (CT), Italy), Theofilos Polychronakis (Cambridge (Cambridgeshire), United Kingdom)

- PA4592 Late Breaking Abstract - What do children, parents and paediatricians feel about the risk of growth suppression of inhaled corticosteroids?**
Ole D. Wolthers (Randers, Denmark)
- PA4593 Late Breaking Abstract - Effect of supplementation with vitamin D on acute bronchitis prevention during the first year of life**
Antonio Moreno Galdo (Sant Cugat del Vallès (Barcelona), Spain), Ana Lopez De Aguilera, Pilar Terradas Mercader, Assumpció Clopes Estela, Maria Inmaculada Merino Marcos, Javier Korta Murua, Maite Labiano Ascunce, Maria Rosa Pique Alejandre, Iuliana Carmen Trifu, Pilar Suñe Martin, Roser Ferrer Costa, Anna García Sangenis, Rosa Morros Pedros, Antonio Carrascosa Lezcano, Ines De Mir Messa
- PA4594 An exploratory questionnaire to assess the confidence levels of practice nurses when managing asthma in children within local General Practices**
Anita Critchlow (Hope Valley (South Yorkshire), United Kingdom), Elphick Heather
- PA4595 Improving Paediatric asthma care - a one stop nurse led approach**
Sally Hails (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Samantha Moss, Jen Townshend
- PA4596 Can exposure to nitrogen dioxide concentration be reduced by a simple action plan?**
Lee Koh (London, United Kingdom), Steve Cunningham, Jonathan Grigg
- PA4597 Acute childhood asthma significance from health care workers' and caregivers' perspective in a low resource setting: a qualitative study.**
Cristina Ardura-Garcia (Madrid, Spain), Philip Cooper, John Blakey, Natalia Romero-Sandoval
- PA4598 Physical activity in 6 to 17 years old children with controlled asthma in a pediatric pulmonology tertiary center.**
Cyril Schweitzer (Vandœuvre-Les-Nancy, France), Méryl Simermann, Maud André, Aurore Blondé, Stéphanie Metche, Sébastien Kiefer, Iulia Ioan, Silvia Demoulin-Alexikova, Aurélie Tatopoulos

- PA4599** **Efficiency of physiotherapy with Caycedian Sophrology on children with asthma: a randomized controlled trial.**
Huguette Romieu (Montpellier, France), Francoise Charbonnier, Dora Janka, Aymeric Douillard, Valerie Macioce, Kathleen Lavastre, Hamouda Abassi, Marie-Catherine Renoux, Thibault Mura, Pascal Amedro
- PA4600** **Home monitoring of asthmatic children with connected sensors**
Nico Willard (Eindhoven, Netherlands), Bert Den Brinker, Marian Dekker, Daniele De Massari, Mareike Klee, Fik Van Lint
- PA4601** **Usefulness of portable spirometry in addition to clinical asthma control score (C-ACT) in atopic children before performing an oral food challenge.**
Mathilde Jouglet (NANCY, France), Cyril SCHWEITZER, Silvia Demoulin-Alexikova, Amandine Luc, Iulia Ioan, Pascale Dumond, Amandine Divaret-Chauveau
- PA4602** **Childhood asthma control and compliance with respect to parental concerns about treatment**
Elif Dagli (Istanbul, Turkey), Miray Kosten, Gamze Gul, Hazal Gul Yesil, Merve Gul, Mina GholamiBaroughi
- PA4603** **The association of physical activity and sedentary lifestyle with asthma in childhood**
Emilija Vlashki (Skopje, FYROM (Macedonia)), Valentina Cvejaska Cholakovska, Mica Kimovska, Lidija Seckova, Tara Ristevska, Joshua Lawson
- PA4604** **'In Control' - changing asthma attitudes in adolescents through drama**
Gioia Mosler (London, United Kingdom), Katherine Harris, Jonathan Grigg
- PA4606** **Patient engagement in a paediatric difficult asthma clinic.**
Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Simon Gosling
- PA4607** **Validation of the Pediatric Asthma Caregiver Quality of Life Questionnaire (PACQLQ) in young Argentinean children**
Luciano Enrique Busi (Trelew (Chubut), Argentina), Valeria Bonamino, Peter David Sly
- PA4608** **Self-reported prevalence of asthma symptoms in Kharkiv (Ukraine) according to the International Study of Asthma and Allergies in Childhood (ISAAC)**
Yuliia Karpushenko (Kharkiv, Ukraine), Viktoriia Klymenko, Olga Kozhina
- PA4609** **The prevalence of asthma and related atopic diseases in Sri Lankan children from 2001 to 2013 utilizing the International Study of Asthma and Allergies in Childhood (ISAAC) questionnaire**
D Lakmali Amarasiri (Malabe, Sri Lanka), Kirthi D Gunasekera, Amitha Fernando, Rajitha Wickramasinghe
- PA4610** **Montelukast: neuropsychiatric adverse drug reactions in Tunisian asthmatic children**
sarra ammari (manouba, Tunisia), Anissa Berraies, Bisma Hamdi, Emna Ben Jemia, Jamel Ammar, Agnès Hamzaoui

TP-35

Session 456

12:50 - 14:40

Thematic poster: Cystic fibrosis in paediatric patients: current research**Disease(s) :** Respiratory infections Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology Physiology Epidemiology General respiratory patient care**Chairs :** Marcus Mall (Berlin, Germany), Nicolas Regamey (Lucerne, Switzerland), Lutz Naehrlich (Erlangen, Germany), Anna Shawcross (Manchester (Greater Manchester), United Kingdom)

- PA4612** **In vitro activity of colistin in combination with N-acetylcysteine against Pseudomonas aeruginosa**
Lucia Pallecchi (COLLE DI VAL D'ELSA (SI), Italy), Simona Pollini, Tiziana Di Maggio, Daniela Girelli, Antonio Teri, Lisa Cariani, Stefano Aliberti, Francesco Blasi, Francesco Sergio, Gian Maria Rossolini
- PA4613** **Exhaled breath analysis by ion mobility spectrometry in children with asthma and cystic fibrosis**
Michiel Bannier (Maastricht, Netherlands), Kim Van De Kant, Jorg Baumbach, Quirijn Jobsis, Edward Dompeling, Sandra Barnowski (sandra.barnowski@dbmr.unibe.ch / Department for Biomedical Research, Bern University Hospital, Bern , CH,Bern) , Andrea Stokes (Andrea.Stokes@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern , CH,Bern) , Thomas Geiser (Thomas.Geiser@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern , CH,Bern) , Lars Knudsen (knudsen.lars@mh-hannover.de / Functional and Applied Anatomy Medical School Hannover,Hannover), Manuela Funke-Chambour (Manuela.Funke-Chambour@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern , CH,Bern)
- PA4614** **Antibodies against Pseudomonas aeruginosa in patients with cystic fibrosis – clinical application**
Snezhina Lazova (Sofia, Bulgaria), Guergana Petrova , Penka Perenovska, Spaska Lesiechkova, Dimitrinka Miteva, Kristina Cholakova, Tanya Strateva
- PA4615** **Induction of innate immune response in fresh human lung tissue ex vivo following P. aeruginosa infection**
Sabine Wronski (Hannover, Germany), Laura Mueller, Nadine Kraemer, Peter Braubach, Danny Jonigk, Hans-Gerd Fieguth, Olaf Pfennig, Claus Bersch, Armin Braun, Katherina Sewald

- PA4616 Association of HLA-DR alleles with pulmonary cystic fibrosis**
Esmacil Mortaz (Tehran, Islamic Republic of Iran), Alireza Asef, Hosseinali Ghaffaripour, Ian Adcock
-
- PA4617 Effectiveness of mechanical insufflation-exsufflation device in pediatric patients with cystic fibrosis**
Atefeh Fakharian (Tehran, Islamic Republic of Iran), Saba Karimzade, Mohsen Abedi, Shahram Kharabian Masouleh, Leilkan Shordel, Soheila Khalilzadeh
-
- PA4618 Oxygen uptake kinetics in walking children with cystic fibrosis**
Yann Combret (Rouen, France), Clément Médrinal, Guillaume Prieur, Aurora Robledo Quesada, Pascal Le Roux, Grégory Reyhler
-
- PA4619 Home monitoring of respiratory rate from pulse oximetry in children with cystic fibrosis**
Paul Seddon (West Sussex, United Kingdom), David Wertheim, Cathy Olden, Liz Symes, Claire Edmondson, Jane Davies, Keith Brownlee
-
- PA4620 Evaluation of user behaviour with an Oscillating Positive Expiratory Pressure (OPEP) device in paediatric cystic fibrosis patients.**
Kevin J. O'Sullivan (Limerick, Ireland), Leonard O'Sullivan, Colum Dunne, Deirdre Mcgrath, Barry Linnane
-
- PA4621 What is a NICE definition of lung disease in patients with Cystic Fibrosis and its impact on treatment?**
Georgina Dick (Essex, United Kingdom), Stephen J Bourke, Carlos Echevarria, Simon J Doe
-
- PA4622 Comparative Evaluation of Clinical, Spiro/Oscillometric and Tomographic Parameters As A Global Assessment of Children With Cystic Fibrosis**
Ozge Yilmaz (Manisa, Turkey), Esra Toprak Kanik, Ali Kanik, Ece Ozdogru, Yurda Simsek, Hudaver Alper, Hasan Yuksel
-
- PA4623 The effect of spirometry on multiple breath washout outcomes in children with cystic fibrosis**
Jacky Wai Yeung Au (Toronto (ON), Canada), Reginald McDonald, Sanja Stanojevic, Felix Ratjen
-
- PA4624 Does the lung clearance index track from preschool to school age in children with cystic fibrosis?**
Michelle Klingel (Toronto (ON), Canada), Sarah Isaac, Sanja Stanojevic, Renee Jensen, Melinda Solomon, Hartmut Grasemann, Valerie Waters, Neil Swezey, Stephanie Davis, Felix Ratjen
-
- PA4625 Does physiotherapy affect Lung Clearance Index in Cystic Fibrosis patients ?**
Fotios Kirvassilis (Oraiokastro, Greece), Elpis Hatziagorou, Eleana Kouroukli, Maria Parisi, Pavlina Peftoulidou, Isaia – Christina Mouratidou, John Tsanakas
-
- PA4626 A music therapy intervention as an adjunct to chest physiotherapy in children with cystic fibrosis**
Javier Perez Frias (Malaga, Spain), Alberto Montero-Ruiz, Laura A. Fuentes Galvez, Estela Perez-Ruiz, M. Paz Diaz Huelamo, Elisa Martin-Montañez
-
- PA4627 Early renal involvement in children with cystic fibrosis.**
Walaa Shahin (Giza, Egypt), Ahmed Badr, Walaa Rabie, Rawdah Ahmed, Mona Mohsen, Mona El-Falaki
-
- PA4628 Newborn Screening for Cystic Fibrosis in Wales over 20 years. Changes in incidence dependent on screening protocol**
Chris Course (Cardiff, United Kingdom), Iolo J.M. Doull, Ruth Hanks, Stuart Moat
-
- PA4629 Newborn screening for Cystic Fibrosis over 20 years and the identification of affected not detected infants.**
Ruth Hanks (Vale of Glamorgan, United Kingdom), Iolo J.M. Doull, Christopher Course, Stuart Moat
-
- PA4630 Do we monitor hearing well enough in children with cystic fibrosis? A retrospective audit on the current practices**
Mihaela Diaconu (Sheffield (South Yorkshire), United Kingdom), Noreen West

TP-36

Session 457

12:50 - 14:40

Thematic poster: Paediatric respiratory infections: mechanistic insights and clinical outcomes

Disease(s) : Respiratory infections Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Respiratory intensive care Physiology Epidemiology General respiratory patient care Cell and molecular biology Public health

Chairs : Ahmad Kantar (Bergamo (BG), Italy), Mark Everard (Perth (WA), Australia), Evelien R. van Meel (Rotterdam, Netherlands), Giulia Cangiano (Verona (VR), Italy)

- PA4631 Late Breaking Abstract - Presence of coinfection is associated with a longer hospital stay in children with laboratory -confirmed pertussis**
wang yuqing (Suzhou, China)
-
- PA4632 Investigating the mechanisms of Bordetella pertussis-induced airway inflammation.**
Giorgio Fedele (Rome, Italy), Ilaria Schiavoni, Pasqualina Leone

- PA4633 Molecular characterisation and clinical presentation of Mycoplasma pneumoniae lower respiratory tract infections in children**
Jasna Rodman Berlot (Ljubljana, Slovenia), Darja Keše, Marina Praprotnik, Tatjana Mrvič, Rok Kogoj, Uroš Krivec
- PA4634 The influence of modern microbiological methods on the antibiotic treatment of pneumonia in children**
Vojko Berce (Murska Sobota, Slovenia), Maja Tomazin, Brigita Koren, Barbara Lovrencic
- PA4635 Intrapleural use of dornase alfa and tissue plasminogen activator are successful as treatment in pediatric empyema: a pilot study**
Monique Slaats (Edegem (Antwerp), Belgium), Jozef De Dooy, Patrick Lauwers, Paul Van Schil, Stijn Verhulst, Jeroen Hendriks
- PA4636 Inhibitory effect of naringenin in airway mucus hypersecretion and the possible mechanism**
Xiaoguang Hu (Wenzhou (Zhejiang), China), Hai Lin Zhang, Shan-Shan Meng, Fang-Fang Lv, Li Lin
- PA4637 Cytokines profile in RSV infection according to nutritional status.**
Loreto Fuenzalida (santiago, Chile), Guisselle Arias, Jaime Inostroza, Diego García-Díaz, Gustavo Valderrama
- PA4638 The role of innate lymphoid cells in early life lung infection**
Dawid Swieboda (London, United Kingdom), Ryan Thwaites, Simon Nadel, Trevor Hansel, Peter Openshaw, Fiona Culley
- PA4639 Chitinase 3-like 1 protein plays a critical role in RSV-induced airway inflammation**
Myunghyun Sohn (Seoul, Republic of Korea), Minjung Kim, Doohee Shim, Jaemyun Lee
- PA4640 Differences between innate response in children with bronchiolitis versus recurrent wheezing.**
Maria Luz Garcia Garcia (Madrid, Spain), Cristina Calvo-Rey, Sergio Quevedo-Teruel, Beatriz Sastre-Turrión, Sara Bellon-Alonso, Patricia Alonso-Lopez, Araceli Marques-Cabrero, Laura Remedios-Mateo, Ana Tellez-Manso, Victoria Del Pozo-Abejon
- PA4641 Bronchiolitis under 6 months of age: time for changing definition?**
Laura Petrarca (Roma (RM), Italy), Raffaella Nenna, Antonella Frassanito, Alessandra Pierangeli, Greta Di Mattia, Carolina Scagnolari, Chiara Urbano, Marianna Di Martino, Domenico La Regina, Vincenzo Ferraro, Fabio Midulla
- PA4642 A phase-III multicenter, randomized, double-blind, controlled trial of high-dose inhaled nitric oxide in infants with acute bronchiolitis.**
Aviv Goldbart (Beer Sheva, Israel), Inbal Golan-Tripto, Giora Pillar, Galit Levnat-Levanon, Ori Efrati, Ronen Spiegel, Ronit Lubetzky, Moran Lavie, Lior Carmon, Mark Mizrahi, Amit Nachum
- PA4643 Inhaled fraction and granulometry of hypertonic saline solution Aerosol for the ambulatory management of newborn babies with viral bronchiolitis: size matters.**
Matthieu BREMOND (TOURS, France)
- PA4644 Respiratory readmission rates differ in the year following hospitalisation with RSV and non-RSV bronchiolitis**
Gemma Saint (Liverpool (Merseyside), United Kingdom), Brian Flanagan, Paul Mcnamara
- PA4645 Rhinovirus- induced wheezing in children with family history of asthma**
Snezhina Lazova (Sofia, Bulgaria), Sirma Mileva, Milena Yakova, Snejana Michailova
- PA4646 Bronchiolitis: 5 years of follow-up**
Antonella Frassanito (Roma (RM), Italy), Raffaella Nenna, Laura Petrarca, Greta Di Mattia, Alessandra Pierangeli, Carolina Scagnolari, Flaminia Ravà, Sabrina Fioroni, Erika Marchionne, Benedetta Foti, Giulia Lais, Fabio Midulla
- PA4647 Respiratory Illness and Respiratory Syncytial Virus (RSV)-Related Hospitalization (RSVH In Infants with a Tracheostomy (Tr) in the CARESS Registry (2005-2016)**
Ian Mitchell (Calgary (AB), Canada), Mahweesh Saleem, Kelly Kim, Paes Bosco, Krista Lanctot
- PA4648 The effect of ambient air pollution on the risk of hospitalisation with bronchiolitis in infants: A systematic review.**
Charlotte King (London, United Kingdom), Daniel Hawcutt, Jamie Kirkham, Ian Sinha
- PA4649 Calprotectin as new sensitive marker of neutrophilic inflammation in patients with bronchiolitis obliterans**
Silvija Jerkic (Frankfurt, Germany), Felix Michel, Annalena Kochems, Ralf Schubert, Martin Rosewich, Stefan Zielen

TP-37

Session 458

12:50 - 14:40

Thematic poster: Neonatology and paediatric intensive care

Disease(s) : Respiratory critical care Respiratory infections Airway diseases Respiratory infections

Method(s) : Imaging Surgery General respiratory patient care Epidemiology Physiology Respiratory intensive care

Chairs : Anna Lavizzari (Milano (MI), Italy), Sanja Zivanovic (London, United Kingdom), Laura Moschino (Padova (PD), Italy), Katie Hunt (London, United Kingdom)

- PA4650 Pulmonary microbes identified by 16S sequencing of tracheal aspirate samples in two neonatal units in the UK**
David Gallacher (Cardiff (South Glamorgan), United Kingdom), Dagmar Alber, Grace Logan, Nigel Klein, Richard Wach, Julian Marchesi, Sailesh Kotecha
- PA4651 Clinical outcome of antenatally detected congenital lung malformations: a non-operative approach.**
Colin Robertson (Melbourne (VIC), Australia), Andrew Law, Michelle Fink, Joe Crameri
- PA4652 Influence of gender on lung function in prematurely born young people**
Christopher Harris (London, United Kingdom), Alan Lunt, Janet Peacock, Anne Greenough
- PA4653 Anatomical and alveolar dead space in mechanically ventilated newborn infants**
Theodore Dassios (London, United Kingdom), Paul Dixon, Ann Hickey, Sotirios Fouzas, Anne Greenough
- PA4654 Long term respiratory and developmental outcomes of children with absent pulmonary valve syndrome**
Elizabeth Brettle (Birmingham, United Kingdom), Katalin Torok, Tarak Desai, Isobel Brookes, Priti Kenia, Satish Rao, Anna Seale, Prasad Nagakumar
- PA4655 Albuterol delivery by soft mist and pressurized metered dose inhalers during noninvasive ventilation in a model of a spontaneously breathing child**
Ariel Berlinski (Little Rock, United States of America), Jeanne Velasco
- PA4656 Physical activity and body composition in Norwegian children born extremely preterm**
Mette Engan (Bergen, Norway), Maria Vollsæter, Thomas Halvorsen, Hege Clemm
- PA4657 Early life lung microbiome in preterm infants**
David Gallacher (Cardiff (South Glamorgan), United Kingdom), Dagmar Alber, Grace Logan, Nigel Klein, Julian Marchesi, Sailesh Kotecha
- PA4658 Multiple breath washout is not useful in infants with bronchopulmonary dysplasia**
Nilay Bas Ikizoglu (Istanbul, Turkey), Laura De Jong, Bulent Karadag, Irwin Reiss, Liesbeth Duijts, Andre Kroon, Esther Van Mastrigt, Harm Tiddens, Refika Ersu, Marielle Pijnenburg
- PA4659 Bronchodilator response in school-aged preterm-born children who had chronic lung disease in infancy**
Kylie Hart (Cardiff, United Kingdom), Michael Cousins, Louise Yendle, Gillian Willetts, Iolo Doull, Mark Williams, Sarah Kotecha, John Henderson, Sailesh Kotecha
- PA4660 Fractional exhaled nitric oxide concentration in school-aged children born who had chronic lung disease in infancy**
Kylie Hart (Cardiff, United Kingdom), Michael Cousins, Gillian Willetts, Louise Yendle, Iolo Doull, Mark Williams, Sarah Kotecha, John Henderson, Sailesh Kotecha
- PA4661 Long Term Home Oxygen Therapy for Chronic Neonatal Lung Disease: A four year Service Evaluation at Sheffield Children's Hospital**
Anne Bean (York (North Yorkshire), United Kingdom), Sonal Kansra, Julie Bell
- PA4662 Acinetobacter baumannii infection and colonization among pediatric patients in pediatric ICU and other ICUs**
BEOM JOON KIM (Suwon-si, Republic of Korea), Woo Ri Bae, Kyunghoon Kim, Hyejin Lee, Eun Ae Yang, Hwan Soo Kim, Yoon Hong Chun, Jong-Seo Yoon, Hyun Hee Kim, Jin Tack Kim
- PA4663 Work of breathing at different levels of volume-targeted ventilation in infants with congenital diaphragmatic hernia**
Katie Hunt (London, United Kingdom), Theodore Dassios, Kamal Ali, Anne Greenough
- PA4664 Individualised dietary treatment of congenital chylothorax**
Louisa Whitfield-Brown (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Samantha Moss
- PA4665 Caucasian small for gestational age infants with bronchopulmonary dysplasia require longer, and more intensive treatment for their disease than appropriate for gestational age, and non-Caucasian counterparts.**
Eleanor Grimley (Nottingham, United Kingdom), Andrew P Prayle, Matthew Hurley, Sarah Spencer, Dushyant Batra, Jayesh M. Bhatt
- PA4666 Lung clearance index and exercise capacity among children and adolescents survivors of bronchopulmonary dysplasia**
Elpida Hatziagorou (Thessaloniki, Greece), Eleana Kouroukli, Kosmas Sarafidis, John Tsanakas

TP-38

Session 459

12:50 - 14:40

Thematic poster: Insights in primary ciliary dyskinesia, asthma and lung function testing

Disease(s) : Respiratory infections Airway diseases Interstitial lung diseases Sleep and breathing disorders Respiratory infections

Method(s) : Cell and molecular biology Physiology General respiratory patient care Epidemiology Public health

Chairs : Claudia E. Kuehni (Bern, Switzerland), Ela Erdem Eralp (Istanbul, Turkey), Jane Lucas (Southampton (Hampshire), United Kingdom), Bruna Rubbo (Southampton (Hampshire), United Kingdom)

- PA4667 Motile cilia structure and function in patients with mutations in the outer dynein arm heavy chain DNAH9**
Amelia Shoemark (Dundee (Scotland), United Kingdom), Mahmoud R Fassad, Farheen Daudvohra, Tom Burgoyne, Robert A Hirst, Joe Hayes, Mellisa Dixon, Andrew Rogers, Micheal Loebinger, Christopher O'Callaghan, Claire Hogg, Hannah Mitchison
-
- PA4668 Does nasal rinsing reduce the need for repeat nasal brushing biopsies in a primary ciliary dyskinesia (PCD) diagnostic service? A pilot study.**
Amanda Harris (Southampton (Hampshire), United Kingdom), Victoria Keenan, Amanda Friend, Hannah Wilkins, Bruna Rubbo, Claire Jackson, Janice Coles, James Thompson, Samantha Packham, Emma Macleod, Esther Nyimbili, Woolf Walker, Jane Lucas, Hazel Evans
-
- PA4669 Comparison of diagnostic accuracy between the chemiluminescence and electrochemical methods for nasal nitric oxide measurements in PCD**
Panayiotis Kouis (NICOSIA, Cyprus), Grigorios Chatziparasidis, Barbara Boutopoulou, Heymut Omran, Maria Kakkoura, Stefania I. Papatheodorou, Kyriacos Kyriacou, Marios Papadopoulos, Vasilis Grammeniatis, Konstantinos Douros, Kostas Priftis, Panayiotis K. Yiallourous
-
- PA4670 Characterising nutrition status in a regional cohort of children with primary ciliary dyskinesia**
Woolf Walker (Southampton (Hampshire), United Kingdom), Luise V Marino, Amanda Harris, Carolyn Johnstone, Amanda Friend, Victoria Keenan, Hannah Wilkins, Jane Lucas, Philip Calder
-
- PA4671 Comparison of conventional chest physiotherapy and vibratory positive pressure treatment system method in diagnosis of primary ciliary dyskinesia**
Emine Atag (Istanbul, Turkey), Ibrahim Bingöl, Pinar Ergenekon, Nilay Bas Ikizoglu, Yasemin Gokdemir, Ela Erdem Eralp, Ayca Evkaya, Kardelen Gencer, Evrim Karadağ Saygi, Bulent Karadağ
-
- PA4672 The effect of conventional chest physiotherapy and vibratory positive pressure therapy system on lung clearance index and spirometry in patients with primary ciliary dyskinesia**
Emine Atag (Istanbul, Turkey), Pinar Ergenekon, Nilay Bas Ikizoğlu, Ibrahim Bingol, Yasemin Gokdemir, Ela Erdem Eralp, Ayca Evkaya, Kardelen Gencer, Evrim Karadağ Saygi, Bülent Karadağ
-
- PA4673 Evaluation of quality of life in patients with primary ciliary dyskinesia**
Pinar Ergenekon (Istanbul, Turkey), Ibrahim Bingol, Emine Atag, Nilay Bas Ikizoglu, Yasemin Gökdemir, Ela Erdem Eralp, Bulent Karadağ
-
- PA4674 Neuropsychological and Quality of life (QoL) assessment in children with severe asthma (SA) and moderate persistent asthma (MPA): a case-control study**
Laura Montalbano (Palermo (PA), Italy), Giovanna Cilluffo, Silvia Montella, Stefania La Grutta, Simona Barni, Sara Bozzetto, Valeria Caldarelli, Antonio Di Marco, Emanuela Di Palmo, Grazia Fenu, Vera Galli, Michele Ghezzi, Lucia Leonardi, Amelia Licari, Violetta Mastroianni, Mara Lelli, Maria Luisa Villani, Alessandro Volpini, Franca Rusconi
-
- PA4675 Predictors of pulmonary function test (Spirometry) values for Pakistani children, aged 5-14 years**
Mustafa Ghulam (Multan, Pakistan), Muhammad Aslam
-
- PA4676 Lung function in children with congenital heart disease**
Sophie Guerin (Lausanne, Switzerland), Nathalie Bertille, Diala Khraiche, Damien Bonnet, Francois Goffinet, Nathalie Lelong, Babak Khoshnood, Christophe Delacourt
-
- PA4677 Infant lung function in relation to air pollution exposure in Stockholm, Sweden - results from the EMIL-cohort**
Björn Lundberg (Skärholmen, Sweden), Erik Melén, Olena Gruzjeva, Göran Pershagen, Jenny Hallberg
-
- PA4678 Association between asthma and lung function in adolescents born very preterm: results of the EPIPAGE cohort study.**
Alice Hadchouel-Duvergé (PARIS, France), Jessica Rousseau, Jean-Christophe Roze, Catherine Arnaud, Adèle Bellino, Stéphane Marret, Pierre-Yves Ancel, Christophe Delacourt
-
- PA4679 Exercise induced dyspnea among adolescents – prevalence and incidence, a five-year follow-up**
Henrik Johansson (Uppsala, Sweden), Margareta Emtner, Christer Janson, Andrei Malinovschi, Katarina Norlander, Leif Nordang
-
- PA4680 Challenges facing parents/caregivers of children with interstitial lung disease (chILD): international survey**
Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom), Steve Cunningham, Nicolaus Schwerk, Carlee Gilbert, Pippa Powell, Mareike Schamberger
-
- PA4681 Snoring in schoolchildren: prevalence and risk factors**
Rebeca Mozún Torrico (Bern, Switzerland), Myrofora Goutaki, Cristina Ardura-Garcia, Florian Singer, Philipp Latzin, Alexander Moeller, Claudia E. Kuehni

PA4682 Self-reported and medical chart histories of Australian Aboriginal and Torres Strait Islander (Indigenous) children and young adults
Tamara Blake (South Brisbane, Australia), Mark Chatfield, Anne Chang, Helen Petsky, Margaret Mcelrea

PA4683 Therapeutic educational pathway effect on asthma control: a pilot study
Laura Montalbano (Palermo (PA), Italy), Giovanna Cilluffo, Velia Malizia, Salvatore Fasola, Manuel Gentile, Marco Arrigo, Dario La Guardia, Mario Allegra, Nicola Murgia, Simona Pichini, Rosanna Mancini, Maria Concetta Rotolo, Stefania La Grutta

PA4684 Combining supervised and unsupervised models to characterize asthma phenotypes in children
Bronwyn Brew (Stockholm, Sweden), Flaminia Chiesa, Cecilia Lundholm, Catarina Almqvist

TP-39

Session 460

12:50 - 14:40

Thematic poster: Clinical challenges in respiratory infection

Disease(s) : Respiratory critical care Respiratory infections Thoracic oncology Airway diseases Respiratory infections

Method(s) : Public health Physiology Endoscopy and interventional pulmonology Surgery Epidemiology Respiratory intensive care General respiratory patient care

Chairs : Catia Cilloniz Campos (Barcelona, Spain), Aikaterini Dimakou (Agia Paraskeyi, Greece), Michal Shteinberg (Haifa, Israel), Adamadia Liapikou (Athens, Greece)

PA4685 Outcomes of empyema in the elderly: A study from Australia's Capital Territory
Budhima Nanayakkara (Cooma (NSW), Australia), Jian Tai, Joe Lemberger, Carol Huang

PA4686 Are there geographical differences in the microbiology of pleural infection?
Maged Hassan (Oxford, United Kingdom), Tamsin Cargill, John Corcoran, Elinor Harriss, Rachelle Asciak, Rachel Mercer, Rob Hallifax, Najib Rahman

PA4687 Intrapleural tissue plasminogen activator (tPA) and deoxyribonuclease (DNase) for pleural infection in an Asian population: Similar outcomes between 5mg and 10mg regimen
Kim Hoong Yap (Singapore, Singapore), Geak Poh Tan, John Abisheganaden

PA4688 Endoscopic one-way endobronchial valves in the treatment of persistent air leak with empyema: A Case Series
Giacomo Cusumano (Catania (CT), Italy), Alfonso Fiorelli, Salvatore Bellofiore, Carmelo Riscica Lizzio, Rosalia Giarlotta, Mario Santini, Alberto Terminella

PA4689 Allergic diseases of upper and lower airways caused by fungi: one or two diseases?
Aleksandra Barac (Belgrade, Republic of Serbia), Predrag Minic, Aleksandra Dudvarski Ilic

PA4690 Predicting outcomes for invasive fungal tracheobronchitis
Chun Yu Lin (Taoyuan, Taiwan), Yueh Fu Fang

PA4691 Nosocomial outbreak of OXA-48-producing Klebsiella pneumoniae in a respiratory intensive care unit
Gordana Pavliša (Zagreb, Croatia), Ivana Marekovic, Hrvoje Puretic, Fedja Dzibur, Zrinka Bosnjak, Natasa Firis, Miroslav Samarzija

PA4692 Respiratory viral point of care testing (POCT) allows improved infection control and bed management during an influenza outbreak
Katherine Groom (Brentwood, United Kingdom), Kay Roy, Hala Kandil, Matthew Knight, Mohan Thapa

PA4693 Usefulness of ICU criteria for invasive pulmonary aspergillosis in critically ill patients
Song-I Lee (Seoul, Republic of Korea), Jin-Won Huh

PA4694 Respiratory viral infection in immunocompromised patients
Kathleen Jahn (Basel, Switzerland), Desiree Schumann, Michael Tamm, Hans Hirsch, Joerg Halter, Lilian Junker, Werner Strobel, Spasenija Savic, Daiana Stolz

PA4695 Carbapenem-resistant pathogens in US patients hospitalized with respiratory infections
Bin CAI (, China), Bin Cai (FlorhFam Park, United States of America), Roger Echols, Deborah Rudin, Frank Corvino, Gareth Morgan, Mari Ariyasu, Takuko Sawada, Tsutae Nagata

PA4696 A case series of 17 patients with pulmonary tularemia in Norway 2016-2018
Astrid Kravdal (Gjøvik, Norway), Øystein Olav Stubhaug

PA4697 The effects of oral care with 0.2% chlorhexidine with toothbrushing to prevent ventilator associated pneumonia in adults' intensive care units
Mohammad Khan (Kota Bharu (Kelantan), Malaysia), Zeehaida Mohamed, Saedah Ali, Norkhafizah Saddki, Ninin Sukminingrum

- PA4698 Risk factors and clinical characteristics of *Pneumocystis jirovecii* pneumonia in lung cancer**
Eun Hye Lee (Seoul, Republic of Korea), Ji Eun Park, Mi Hwa Shin, Eun Young Kim, Sang Hoon Lee, Ah Young Leem, Joo Han Song, Kyung Soo Chung, Young Ae Kang, Young Sam Kim, Joon Chang, Moo Suk Park
- PA4699 Methicillin-resistant *Staphylococcus aureus* (MRSA) active screening in a Pulmonology department.**
Daniel Oliveira Reis (Ovar, Portugal), Margarida Costa Silva, Carla Ribeiro, Eloísa Silva, Margarida Dias, Daniel Pires Coutinho, Teresa Shiang, Gabriela Abreu, Inês Sanches, Manuela Vanzeller
- PA4700 *Pneumocystis jirovecii* pneumonia (PJP) in lymphoma patients, a tertiary cancer centre review.**
Helen Adderley (Manchester (Greater Manchester), United Kingdom), Jihad Syed, Laura Covesmith, Kim Linton
- PA4701 Prevalence and risk factors of frailty in patients with mycobacterium avium complex lung disease-preliminary study-**
Kohei Fujita (Kyoto, Japan), Yutaka Ito, Naohiro Uchida, Osamu Kanai, Misato Okamura, Koichi Nakatani, Tadashi Mio
- PA4702 Factors associated with colonization and infection by Carbapenem Resistant Enterobacteriaceae**
Inês Sucena Pereira (Vila Nova de Gaia, Portugal), Adelaide Alves, Carla Ribeiro, Eloisa Silva, Teresa Shiang, Manuela Vanzeller
- PA4703 Aspergillus Lung Infections: A Seasonal Risk**
Tarang Kulkarni (Mumbai (Maharashtra), India), Beauty Biswas, Praveen Shahi, Raja Dhar
- PA4704 MIC distributions of 35 antibiotics for 54 clinical isolates of *Mycobacterium lentiflavum***
Akiko Takaki (Tokyo, Japan), Akio Aono, Kinuyo Chikamatsu, Yuriko Igarashi, Kazuma Yagi, Takanori Asakura, Naoki Hasegawa, Syuichi Matsuda, Kozo Morimoto, Yuka Sasaki, Masayuki Ikeda, Takayuki Tomii, Kiyoko Tamai, Yukiko Nakada, Yoshiro Murase, Hiroyuki Yamada, Satoshi Mitarai

TP-40

Session 461

12:50 - 14:40

Thematic poster: Difficult-to-treat respiratory infections

Disease(s) : Respiratory infections Respiratory critical care Respiratory infections

Method(s) : Public health Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology Imaging General respiratory patient care Respiratory intensive care

Chairs : Carlos M. Luna (Ciudad Autónoma Buenos Aires, Argentina), Stephanie Everaerts (Leuven, Belgium), Oriol Sibila (Barcelona, Spain), Ane Uranga Echeverria (Bilbao (Bizkaia), Spain)

- PA4705 Major infections after cardiac surgery and antibiotic management practises in a tertiary care centre**
Supraja Kalyanaraman (Chennai (Tamil Nadu), India), Rohit Anusha, Durairajan Suresh, Soundar Sharmila, Kangusamy Bhoopathi
- PA4706 The aetiology of thoracic empyema in the Australian Capital Territory: An old enemy with a new army.**
Budhima Nanayakkara (Cooma (NSW), Australia), Jian Tai, Joe Lemberger, Carol Huang
- PA4707 The impact of 2016 guideline on clinical practice for the management of hospital-acquired and ventilator-associated pneumonia in Taiwan**
Chia-Lin Yang (Douliu, Taiwan), Yen-Fu Chen, Chi-Ying Lin
- PA4708 Analysis of causes of death and mortality risk factors in elderly patients hospitalized due to pneumonia**
Yuri Suzuki (Tokyo, Japan), Noriko Sakuma, Masakazu Kohno, Toshihiko Sakai, Hirokazu Tojima
- PA4709 *Paragonimus westermani* infection manifested as pulmonary cavity and adrenal gland mass: case report**
Hyun Jung Kim (Daegu, Republic of Korea), Yong-Shik Kwon
- PA4710 Outcomes of Fibrinolytic therapy for acute empyema.**
Takahisa Koizumi (Niigata, Japan), Hiroshi Moriyama, Tatsuhiko Hirono, Tetsuro Ohdaira, Takehiro Watanabe
- PA4711 Clinical analysis of pulmonary *Mycobacterium kansasii* disease**
Yoshihiro Kobashi (Kurashiki (Okayama), Japan), Ryo Shirai, Shigeki Kato, Mikio Oka
- PA4712 Safety and efficacy of reduced dose intrapleural alteplase and DNAase for pleural infection**
Hugh Ip (London, United Kingdom), Alex West, Deirdre Wallace, Farinaz Noorzad, Liju Ahmed
- PA4713 Microbiology of pleural infection according to setting**
Eihab Bedawi (Oxford (Oxfordshire), United Kingdom), Maged Hassan, Tamsin Cargill, John Corcoran, Elinor Harriss, Rachelle Ascjak, Rachel Mercer, Rob Hallifax, Najib Rahman
- PA4714 Features of hospital-acquired pneumonia in gerontological patients of the Altai Regional Clinical Hospital.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin

- PA4715 Predictors for length of hospital stay in patients with community-acquired Pneumonia.**
Houda Rouis (Tunis, Tunisia), Hamida Kwas, Ines Zendah, Ibtihel Khouaja, Amel Khattab, Habib Ghédira
-
- PA4716 Predictive factors for methicillin-resistant Staphylococcus aureus (MRSA) infection in a MRSA screening protocol.**
Daniel Oliveira Reis (Ovar, Portugal), Margarida Costa Silva, Carla Ribeiro, Eloísa Silva, Margarida Dias, Daniel Pires Coutinho, Teresa Shiang, Gabriela Abreu, Inês Sanches, Manuela Vanzeller
-
- PA4717 Epidemiology and outcome of ventilator associated pneumonia in an tertiary care ICU of India.**
Shuvranu Ghosh (New Delhi (Delhi), India), Amit Dhamija, Debashish Dhar, Arup Basu, Neeraj Goel
-
- PA4718 MYCOBACTERIUM KANSASII LUNG INFECTIONS COMPARED TO OTHER NONTUBERCULOUS MYCOBACTERIA**
Sandra Pedrero Tejada (Santurtzi (Vizcaya), Spain), Eva Tabernero Huguet, Borja Ortiz De Urbina Antia, Idoia Salinas Garrido, Beatriz Gonzalez Quero, Eunáte Arana Arri, Elena Urra Zalbidegoitia, Rafael Zalacain Jorge
-
- PA4719 Additional diagnostic value of chest CT in patients with suspected pneumonia.**
Takuto Sueyasu (Fukuoka, Japan), Kazunori Tobino, Masanobu Okahisa, Kojin Murakami, Yuki Goto, Miyuki Munechika, Kohei Yoshimine, Saori Nishizawa
-
- PA4720 Pulmonary actinomycosis in Brazil: a retrospective case series**
Philippe de Figueiredo Braga Colares (São Paulo (SP), Brazil), Tomás Béder, Roberta Karla Sales, Ellen Pierre Oliveira, Felipe Marques Costa, André Nathan Costa
-
- PA4721 Low respiratory tract infection (LRTI) in ALS patients. A regional referring centre experience**
Paola Pierucci (Sydney (NSW), Australia), Enrico Buonamico, Pierluigi Intiglietta, Giuseppe Cassano, Pierluigi Carratù, Silvano Dragonieri, Onofrio Resta
-
- PA4722 Whole-blood test for the diagnosis of lung Cystic Echinococcosis**
Linda Petrone (Roma (RM), Italy), Valentina Vanini, Vincenzo Schinina, Elisa Busi Rizzi, Edoardo Pozio, Giuseppe Cardillo, Marco Di Martino, Antonella Teggi, Delia Goletti
-
- PA4723 Clinical profile and outcome of patients with sputum positive Acinetobacter baumannii infection**
Parakkal Sukumaran (Kottayam (Kerala), India), Beena Thomas, Sethu Babu, Seema Oommen

TP-41

Session 462

12:50 - 14:40

Thematic poster: The immune response to tuberculosis: development of biomarkers and diagnostic tools

Disease(s) : Respiratory infections Airway diseases Respiratory infections

Method(s) : General respiratory patient care Cell and molecular biology

Chairs : Valeriu Crudu (Chisinau, Republic of Moldova), Lorenzo Guglielmetti (Paris, France), Jan Heyckendorf (Hamburg, Germany)

- PA4724 Evaluation of new biomarkers for laboratory diagnosis of tuberculosis**
Ehsan Aryan (Mashhad, Islamic Republic of Iran), Mahsa Sayadi, Zahra Meshkat, Alireza Neshani, Hadi Safdari
-
- PA4725 MicroRNAs in serum of post primary TB patients.**
Vladimir Yermeev (Moscow, Russian Federation), Vladimir Evstifeev, Galina Shepelkova, Anush Ergeshova, Mamed Bagirov
-
- PA4726 Transcriptional Signature Identifies Phenotypic Heterogeneity of Human Tuberculosis Infection**
Raman Verma (Leicester (Leicestershire), United Kingdom), Akul Singhania, Christine Graham, Joanne Lee, Gerrit Woltmann, Anne O'Garra, Pranabashis Haldar
-
- PA4727 Production, purification and validation of anti-tuberculosis IgY for diagnostic purposes**
Ehsan Aryan (Mashhad, Islamic Republic of Iran), Mahdi Kouhi-Noghondar, Mojtaba Sankian, Amir-Ali Arian, Zahra Meshkat
-
- PA4728 High-resolution quantitative proteomics applied to the discovery of biomarkers of innate immune response in tuberculosis.**
Jesús Mateos Martín (Vigo, Spain), Africa Gonzalez-Fernandez, Luis Anibarro, Angeles Pallares, Rajko Reljic, Jose Maria Gallardo, Isabel Medina, Monica Carrera
-
- PA4729 Mycobacterium tuberculosis blocks phagolysosome maturation in alveolar macrophages of tuberculosis patients**
Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva2, Diana Vakhrusheva2, Sergey Skorniyakov2
-
- PA4730 Mycobacterium tuberculosis reside only inside phagosomes in alveolar macrophages of tuberculosis patients**
Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva2, Diana Vakhrusheva2, Sergey Skorniyakov2

- PA4731** **Cytokines/chemokines gene expression in the lungs of fibrous-cavernous TB patients.**
Galina Shepelkova (Moscow, Russian Federation), Vladimir Evstifeev, Vladimir Yermeev, Anush Ergeshova, Mamed Bagirov
- PA4732** **Features of development of TB infection caused by different doses of MBT**
Natalya Eremeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Tyulkova, Leonid Lavrechuk, Ksenia Belousova, Tatyana Umpeleva, Diana Vakhrusheva
- PA4733** **The study of differential gene expression of matrix metalloproteinases in macrophages infected with Mycobacterium tuberculosis**
Shashikant Vaidya (Mumbai (Maharashtra), India), Jinesh Maniar
- PA4734** **Assessment of differential activity of reactive radicals in cell lines infected with Mycobacterium tuberculosis .**
Shashikant Vaidya (Mumbai (Maharashtra), India), Sukanya Sawant, Jinesh Maniar
- PA4735** **Effect of polymorphism of Toll-like receptor genes on the duration of pulmonary tuberculosis**
Eugeny Bayke (Chita, Russian Federation), Ekaterina Bogodukhova
- PA4736** **Immunological differences between lung tuberculosis and latent tuberculosis infection**
Anna Starshinova (St. Petersburg, Russian Federation), Evgenia Istomina, Ulia Zinchenko, Nina Denisova, Michail Nazarenko, Michail Filatov, Vladimir Burdakov, Sergey Landa, Piotr Yablonskiy
- PA4737** **Characteristics of IL-12p70 and IL-12p40 serum level among active, latent, and contact with tuberculosis patients**
Eliana Muis (Makassar, Indonesia), Nur Ahmad Tabri, Irawaty Djaharuddin, Ayu Purnamasari
- PA4738** **Capacities of blood serum lipoarabinomannan in the diagnosis of tuberculosis at a late stage of HIV infection**
Artem Dudchenko (Zelenograd, Russian Federation), Mikhail Averbakh, Natalia Karpina, Atajan Ergeshov
- PA4739** **Determination of CD4, CD8 and IL-8 levels in serum and BAL fluid of patients with pulmonary anthracosis**
Arda Kiani (Tehran, Islamic Republic of Iran), Atefeh Abedini, Mehdi Ramazanpour, Esmaeil Mortaz, Hamidreza Jamaati, Kimia Taghavi, Fatemeh Razavi

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Session 463

12:50 - 14:40

Thematic poster: Drug-resistant tuberculosis and the sequelae of pulmonary tuberculosis**Disease(s) :** Respiratory infections Respiratory critical care Pulmonary vascular diseases Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology Respiratory intensive care Epidemiology Public health General respiratory patient care**Chairs :** Alberto Garcia-Basteiro (Maputo, Mozambique), André Santos-Silva (Porto, Portugal), Margareth Maria Pretti Dalcolmo (Rio De Janeiro (RJ), Brazil)

- PA4740** **Experience in the use of Bedakville in the therapy of multidrug-resistant tuberculosis and HIV infection.**
Elena Ershova (St.-Petersburg, Russian Federation), Irina Chernokhaeva, Maria Pavlova, Anna Starshinova, Nadezhda Sapozhnikova
- PA4741** **Bedaquiline in the treatment of patients with co-infection HIV/tuberculosis**
Armine Galstyan (Moscow, Russian Federation), Sergey Evgenievich Borisov, Michail Sinitsin
- PA4742** **Bedaquiline in treatment of TB/HIV co-infection patients with extremely-drug resistance of MBT**
Goar Balasaniantc (Leningrad Oblast, Russian Federation)
- PA4743** **To evaluate the outcome of tuberculosis at a tertiary care hospital in Karachi-Pakistan**
Syed Muhammad Zubair (karachi, Pakistan), Mariyam Gohar, Talha Shahzad, Afshan Yaseen, Muhammad Irfan
- PA4744** **Spreading of resistance to group A anti-tuberculosis drugs among TB patients in Astana city**
Goar Balasaniantc (Leningrad Oblast, Russian Federation), Zhanna Rakisheva, Anna Zepke, Akmaral Akisheva, Nataliya Solovjeva
- PA4745** **Evaluation of 123 Cases with MDR TB (Multidrug Resistant Tuberculosis) Treatment**
Aylin Babalik (Istanbul, Turkey), Ayse Rumeysa Hazine, Gul Erdal Donmez, Olga Akkan, Fatma Kutluhan, Ahmet Balıkcı, Gulay Catmabacak, Kaya Koksalan, TüLin Kuyucu
- PA4746** **Nature, Magnitude and Risk Factors of Adverse Drug Reactions in Multidrug Resistant TB Patients in Eritrea**
Mulugeta Russom (Asmara, Eritrea), Katia Verhamme, Leila Karimi, Hagos Ahmed
- PA4747** **Accompanying therapy of patients with extensive drug-resistant (xdr) lung tuberculosis**
Ludmila Shovkun (Rostov-on-Don, Russian Federation), Dmitry Kudlay, Nikolay Nikolenko, Irina Franchuk
- PA4748** **MDR-TB treatment efficacy by results of Xpert MTB/RIF assay in the Stavropol region of the Russian Federation**
Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Yelena Chumakova, Vasiliy Odinets

- PA4749** **Community based therapy for children with Multidrug-Resistant Tuberculosis in Khyber Pakhtunkhwa Peshawar, Paksitan**
Arshad Javaid (Peshawar, Pakistan), Mazhar Ali Khan, Mir Azam Khan
- PA4750** **Use of shortened chemotherapy regimens in treatment of adolescents with MDR/XDR TB**
Evgeniia Viechelli (Moscow, Russian Federation)
- PA4751** **Adverse effects of chemotherapy in patients with multidrug-resistant tuberculosis with alcohol abuse and without one**
Alena Aleksa (Grodno, Belarus), Ilja Gelberg, Siargej Wolf, Janina Artsukevich, Andrej Tsiunchyk, Anatoly Masilevich, Yuriy Shejfer
- PA4752** **Use of line probe assays for the diagnosis of drug-resistant tuberculosis in Hospital for respiratory diseases "St. Sofia", Sofia, Bulgaria**
Vladimir Milanov (Sofia, Bulgaria), Svetlana Velizarova, Albena Spasova, Natalia Gabrovska, Tsvetanka Dimitrova-Milanova, Gergana Mihaylova, Maria Nachkova, Dimitar Kostadinov
- PA4753** **Variability of primary resistant M.tuberculosis strains in TB service institutions**
Anton Rogozhin (Kharkov, Ukraine), Petr Poteiko, Olha Konstantynoska, Oleksandr Liashenko, Oleksii Solodiankin
- PA4754** **Construing the role of Proteasome Accessory Factor-C in fluoroquinolone resistance in pulmonary tuberculosis**
APOORVA NARAIN (Lucknow (Uttar Pradesh), India), Ekta Dhamija, Kanchan Srivastava, Kishore K Srivastava, Surya Kant
- PA4755** **A case series of pyrazinamide mono-resistant mycobacterium tuberculosis using whole genome sequencing for diagnosis and cluster linkage.**
Darryl Braganza Menezes (Birmingham (West Midlands), United Kingdom), Sebastian Lugg, Gemma Hawthorne, Esther Robinson, Martin Dedicoat
- PA4756** **Ability of genotypical method to make assesment of tuberculosis infection hotbed**
Iryna Ovcharenko (Kharkiv, Ukraine), Olga Hovardovska, Olga Schevchenko

TP-43

Session 464

12:50 - 14:40

Thematic poster: Diagnosis of tuberculosis

Disease(s) : Respiratory infections Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology Endoscopy and interventional pulmonology Imaging General respiratory patient care Public health

Chairs : Berit Lange (Freiburg, Germany), Dragica Pešut (Beograd, Republic of Serbia), Simon Tiberi (London, United Kingdom), Cécile Magis-Escurra (Nijmegen, Netherlands)

- PA4757** **Late Breaking Abstract - An Electronic Nose as a screening tool for childhood Tuberculosis**
Luisa Quesada (Caracas, Venezuela), Sergio Poli De Frías, Gessica Di Toro, Emynes Salas, Ana Gutierrez, Jessica Bello, Isabel Tovar, Maria España, Heriberto Perez, Julian Villalba, Marlene Villalon, Jacobus De Waard
- PA4758** **Rapid diagnosis of tuberculosis and rifampin resistance by GeneXpert MTB/RIF test**
Şeref Özkara (Ankara, Turkey), Ismail Ceyhan, Mujgan Guler, Gungor Dulkar
- PA4759** **The utility of delta neutrophil index in differentiation of pulmonary tuberculosis from community acquired pneumonia**
Jun Hyeok Lim (Seoul, Republic of Korea), Byung Woo Jhun, Hyun Il Gil, Yun Su Sim, Tae Rim Shin, Dong-Gyu Kim
- PA4760** **Compliance with recommendation for respiratory sampling in diagnosis of Tuberculosis(NICE guideline NG33)**
HNIN WINT WINT AUNG (Woking (Surrey), United Kingdom), Salim P L Meghjee, Debbie Wearmouth
- PA4761** **Comparison of the diagnostic value of immunological test, applied to two types of biological fluids - venous blood and bronchoalveolar lavage in children with tuberculosis**
Svetlana Velizarova (Sofia, Bulgaria), Nataliya Gabrovska, Dimitar Kostadinov, Dinko Valev, Nevena Gesheva, Yana Krasteva
- PA4762** **Activity of lysozyme and adenosine deaminase in patients with pulmonary tuberculosis**
Mirjana Trajcevska (Skopje, FYROM (Macedonia)), Aleksandar Sandevski
- PA4763** **High serum periostin levels and the association with pulmonary tuberculosis**
Momoko Yamauchi (Okinawa-ken, Japan), Takeshi Kinjo, Gretchen Parrott, Jiro Fujita
- PA4764** **First experience of single TB centre in diagnosis of peripheral pulmonary lesions using radial-EBUS.**
Irina Shumskaya (Moscow, Russian Federation), Ilya Sivokozov, Elena Larionova, Galina Evguschenko, Natalya Karpina, Olga Lovacheva

- PA4765 Patients with recurrent tuberculosis in Istanbul: reactivation?, reinfection?**
Gonca Öcal (Istanbul, Turkey), Pinar Etiz, Zuleyha Bingol, Orhan Kaya Koksalan, Zeki Kilicaslan
-
- PA4766 Radiological differential diagnosis of lung cavities**
Rasul Amansahedov (Moscow, Russian Federation), Natalia Karpina, Irina Limarova, Roksana Kazho, Anatoliy Sigaev, Atadzhan Ergeshov
-
- PA4767 Diagnostic role of bronchoscopy in induced sputum negative pulmonary tuberculosis in tertiary care centre, South India**
Don Gregory Mascarenhas (Puttur (Karnataka), India), Neema Motadka
-
- PA4768 Trend of delay treatment of patient and healthcare system in diagnosis and management of pulmonary tuberculosis in Iran**
Abolfazl Mozaffari (Tehran, Islamic Republic of Iran), Reza Kianifar
-
- PA4769 Role of Bronchial Washing Gene Xpert in smear negative cases of suspected pulmonary tuberculosis**
Faisal Faiyaz Zuberi (Karachi Sindh, Pakistan), Sagheer Hussain, Sidra Hameed, Bader Faiyaz Zuberi
-
- PA4770 The role of computed tomography in differential diagnosis of pulmonary TB in patients with chronic renal failure in the terminal stage.**
Olga Gordeeva (Moscow, Russian Federation), Rasul Amansakhedov, Irina Limarova, Natalia Karpina, Atadjan Ergeshov
-
- PA4771 Hepatic tuberculosis – a case series**
Edward Williams (HINCKLEY (Leicestershire), United Kingdom), J L Potter, F Duff, M Burman, S Tiberi, V White, H Kunst
-
- PA4772 Study of diagnostic sensitivity for mycobacterium tuberculosis(MTB) by smear, culture and Xpert MTB/RIF assay in pleural specimens obtained by medical thoracoscopy.**
Mahaveera Bnbm Prasad (Bengalure (Karnataka State), India)
-
- PA4773 Semiquantitation of tuberculosis bacilli (MTB) and nontuberculous mycobacteria (NTM) in sputum by a new nucleic acid amplification test (NAAT)**
Emmanuelle Cambau (Paris, France), Sylvain Kumanski, Emmanuel Lecorche, Faiza Mougari
-
- PA4774 Knowledge of Cough Hygiene And Disposal of Sputum in Patients with Pulmonary Tuberculosis**
Deepu Changappa Cheriamane (Madikeri (Karnataka), India)
-
- PA4775 Negative effect of ferritin levels on T-SPOT.TB, an enzyme-linked immunospot based interferon-gamma release assay using Mycobacterium tuberculosis specific antigens, in the smear-positive active pulmonary tuberculosis.**
Masaki Yamamoto (Yokohama, Japan), Ken Tashiro, Misako Ikeda, Hideyuki Nagakura, Kentaro Nakashima, Ryota Ushio, Kenjiro Nagai, Yu Hara, Nobuaki Kobayashi, Takashi Sato, Masaharu Shinkai, Makoto Kudo, Takeshi Kaneko

TP-44

Session 465

12:50 - 14:40

Thematic poster: Management of idiopathic interstitial pneumonias: established and new treatments

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Endoscopy and interventional pulmonology Physiology Epidemiology Respiratory intensive care General respiratory patient care Public health

Chairs : Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Claudia Valenzuela (Alcobendas (Madrid), Spain), António Morais (Maia, Portugal), Shinichiro Ohshimo (Hiroshima, Japan)

- PA4776 A self-reported qualitative assessment of yoga exercises delivered to patients with IPF and their caregivers.**
Nicola Cassidy (Dublin 5, Ireland), Michael Darragh Macauley, Jim J Egan
-
- PA4777 Patterns of discontinuation in patients with IPF treated with open-label nintedanib: data from INPULSIS-ON**
Ulrich Costabel (Essen, Germany), Michael Kreuter, Jin Woo Song, John T Huggins, Benoit Wallaert, Wibke Stansen, Manuel Quaresma, Bruno Crestani
-
- PA4778 Factors influencing Idiopathic Pulmonary Fibrosis (IPF) anti-fibrotic decisions in a single UK centre; patient and physician perspectives**
Alexis Papadopoulos (Manchester, United Kingdom), Savvas Zannetos, Rachel Hoyles
-
- PA4779 Investigation burden in patients with fibrotic interstitial lung disease in their terminal admission**
Hui Guo (Melbourne (VIC), Australia), Jennifer Mann, Natasha Smallwood, Nicole Goh

- PA4780** **Three-centre study (DZL) to investigate the effects of three-month whole-body vibration training on muscle strength, lung function, health-related quality of life and inflammation markers in patients with pulmonary fibrosis.**
Tobias Boeselt (Marburg, Germany), Andreas Rembert Koczulla, Janina Koelpin, Christoph Nell, Fabian Kaufhold, Claus Vogelmeier, Felix Herth, Peter Alter, Martina Veith, Timm Greulich, Christian Kaehler, Michael Kreuter
- PA4781** **Lessons learned when recruiting for an early Idiopathic Pulmonary Fibrosis (IPF) palliative care intervention**
Kathleen Lindell (Pittsburgh, United States of America), Mehdi Nouraie, Sara Klein, Melinda Klesen, Kevin Gibson, Daniel Kass, Margaret Rosenzweig
- PA4782** **Introducing a new formulation of pirfenidone to reduce tablet burden for the IPF patient: Is it tolerable? Is it easy to take? What do our patients think?**
Helen Morris (Manchester (Greater Manchester), United Kingdom), Tracey Marshall, Katie Zakis, Theresa Garfoot, Conal Hayton, Pilar Rivera Ortega, Colm Leonard, John Blaikley, Nazia Chaudhuri
- PA4783** **Team support with pharmacists improved tolerability of antifibrotic agents for pulmonary fibrosis.**
Mariko Kogo (Hyogo prefecture, Japan), Yukari Satsuma, Kaori Kusuda, Hiroaki Ikesue, Ryobu Mori, Daichi Fujimoto, Kazuma Nagata, Atsushi Nakagawa, Ryo Tachikawa, Kojiro Otsuka, Keisuke Tomii
- PA4784** **Patients' expectations and quality of life before introduction of pirfenidone used in idiopathic pulmonary fibrosis.**
Aleksandra Belz (Katowice, Poland), Paulina Debowska, Joanna Warzecha, Aleksandra Gasiorek, Dominika Galczynska, Sylwia Czyz, Bettina Ziaja, Dariusz Jastrzebski, Dariusz Ziora
- PA4785** **Combination treatment with nintedanib and prednisolone for patients with idiopathic pulmonary fibrosis**
Motoyasu Kato (Tokyo, Japan), Takahiro Nakamura, Kana Kono, Mizuki Haraguchi, Tomoko Yamada, Hiroaki Ihara, Fumiyuki Takahashi, Kazuhisa Takahashi
- PA4786** **Benefits of a pilot program of supervised exercise training in Idiopathic Pulmonary Fibrosis**
Jaume Bordas Martinez (barcelona, Spain), Jose Manuel Palma Lopez, Mariagna Sampere Aymerich, Anna Bachs Salvado, Lurdes Planas Cerezales, Ivette Callorda Boniatti, Ferran Lopez Beltran, Rosa Planas Balague, Jordi Dorca Sargatal, Maria Molina Molina, Vanesa Vicens Zygmunt
- PA4787** **Long-term (4 years) experience of Nintedanib in IPF patients in Crete: A real life data study**
Athina Trachalaki (Iraklio, Greece), Katerina Antoniou, Eirini Vasarmidi, George Margaritopoulos, George Papastratigakis, Eleni Bibaki, Evangelia Stamataki, George Meletis, Nikolaos Tzanakis
- PA4788** **Palliative and symptomatic care of patients with fibrotic interstitial lung disease**
Jennifer Mann (Melbourne (VIC), Australia), Hui Guo, Nicole Goh, Natasha Smallwood
- PA4789** **Multidisciplinary management of interstitial lung diseases in a tertiary centre: A prospective study.**
Caroline Biglia (Wavre, Belgium), Benoît Ghaye, Gregory Reyckler, Valérie Lacroix, Farah Tamirou, Delphine Hoton, Thierry Pieters, Antoine Froidure
- PA4790** **Idiopathic Pulmonary Fibrosis (IPF): Should it be all about the FVC?**
Sarah Boot (Leeds (West Yorkshire), United Kingdom), Laura Horgan, Louise Flint, Tim Sutherland, Paul Beirne
- PA4791** **A comparison of pirfenidone versus nintedanib for the management of idiopathic pulmonary fibrosis**
Mariam Naqvi (London, United Kingdom), Grainne D'Ancona, Alex West
- PA4792** **Real-life efficacy of Pirfenidone in a cohort of patients with IPF in Northern Greece**
Serafim Chrysovalantis Kotoulas (Θεσσαλονίκη, Greece), Evangelia Fouka, Ioannis Organtzis, Georgia Pitsiou, Antonios Papaioannou, Christoforos Euthymiou, Ioannis Stanopoulos, Violetta Mourouzidou, Theodoros Kontakiotis, Despoina Papakosta
- PA4793** **Associations between comorbidities, their treatment and survival in patients with interstitial lung diseases – a claims data analysis**
Larissa Schwarzkopf (Neuherberg, Germany), Sabine Witt, Julia Waelscher, Markus Polke, Michael Kreuter
- PA4794** **Experience of patients treated with nintedanib in the Community of Madrid. REFIPIMAD Registry**
M^a Asuncion Nieto Barbero (Madrid, Spain), Luis Gómez Carrera, M^a Jesús Rodríguez Nieto, Álvaro Casanova Espinosa, Rosalia Laporta Hernández, Belén López-Muñiz Ballesteros, Claudia Valenzuela, Teresa Bilbao-Goyoaga Arenas, Gemma M^a Mora Ortega, M^a Teresa Río Ramírez
- PA4795** **Efficacy of combined therapy with pirfenidone and inhaled N-acetylcysteine for idiopathic pulmonary fibrosis: a randomized controlled phase 3 trial**
Sakae Homma (Tokyo, Japan), Yasuhiro Kondoh, Motoyasu Kato, Tomoaki Hoshino, Hiroshi Mukae, Masashi Bando, Takafumi Suda, Takashi Kido, Yoshinori Tanino, Tomoo Kishaba, Noboru Hattori, Yoshio Taguchi, Takefumi Saitoh, Yasuhiko Nishioka, Kazuyoshi Kuwano, Kazuma Kishi, Naohiko Inase, Shinichi Sasaki, Hajime Takizawa, Takeshi Johkoh, Fumikazu Sakai, Susumu Sakamoto

TP-45

Session 466

12:50 - 14:40

Thematic poster: Back to basics and translational research in idiopathic interstitial pneumonias**Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Imaging Physiology Endoscopy and interventional pulmonology General respiratory patient care Cell and molecular biology**Chairs :** Manuela Funke-Chambour (Bern, Switzerland), Phil Molyneaux (London, United Kingdom), Hiroyuki Ito (Nagasaki, Japan), Martina Šterclová (Praha, Czech Republic)**PA4796 Nigella sativa fixed oil, attenuates bleomycin-induced pulmonary fibrosis in a rat model**
Anouar Abidi (Tunis, Tunisia), Sana Bahri, Saloua Ben Khamsa, Alexandre Legrand**PA4797 The activity of nintedanib in a mouse model of severe allergic lung remodeling**
Lutz Wollin (Biberach an der Riß, Germany), Christopher Tomsic, Klaus Erb**PA4798 Role of MUC4 in idiopathic pulmonary fibrosis**
Beatriz Ballester (Burjassot (Valencia), Spain), Javier Milara, Ricardo Guijarro, Esteban Morcillo, Julio Cortijo**PA4799 Implication of FGFR4 and its ligands in Idiopathic Pulmonary Fibrosis**
Aurélien Justet (Paris, France), Simon Demagny, Tiara Boghanim, Madeleine Jaillet, Emmeline Marchal-Duval, Aurélie Cazes, Pierre Mordant, Yves Castier, Arnaud Mailleux, Bruno Crestani**PA4800 M-BAR promotes pulmonary fibroblast proliferation through TGF-β1/AKT/ERK1/2 signaling pathway**
Xueqing Liu (Shanghai, China), Handong Jiang**PA4801 Probe-based confocal laser-endomicroscopy imaging of differential auto-fluorescence of alveolar macrophages in diffuse lung diseases**
Kazuyoshi Imaizumi (Toyoake, Japan), Takuya Okamura, Tomoyuki Minezawa, Yusuke Gotoh, Tomoya Horiguchi, Yuki Mieno, Sakurako Uozu, Masashi Kondo**PA4803 Assessment of collagen in human idiopathic pulmonary fibrosis using second harmonics on Genesis 200**
Simon Royce (Clayton, Australia), Cem Erdem, Andre Tan, Jade Jaffar, Glen Westall, Jane Bourke, Chishan Samuel, Robert Widdop**PA4804 Investigating effects of nintedanib on biomarkers of ECM turnover in patients with IPF: the INMARK study**
Toby Maher (St. Albans (Hertfordshire), United Kingdom), Susanne Stowasser, Yasuhiko Nishioka, Eric S White, Vincent Cottin, Imre Noth, Moises Selman, Daniel Wachtlin, Claudia Diefenbach, R Gisli Jenkins**PA4805 Changes in neutrophil-lymphocyte and platelet-lymphocyte ratios and clinical outcomes in idiopathic pulmonary fibrosis**
Susan Limb (South San Francisco, United States of America), Sangeeta Bhorade, Elizabeth Morgenthien, Jessica Castle, Jayesh Mehta**PA4806 Salvianolate can attenuate bleomycin-induced pulmonary epithelial-mesenchymal transition**
fangfang wang (Qingdao, China), Handong Jiang**PA4807 Mucus matters: Ferrets demonstrate sustained fibrosis and mucociliary decrement following bleomycin-induced pulmonary fibrosis**
Jacelyn Peabody (Birmingham, United States of America), Scott Phillips, Vivian Lin, Sandeep Bodduluri, Jeremie Lever, Renjay Shei, Dezhi Wang, Corinne Hennessy, Evgenia Dobrinskikh, Trenton Schoebe, Taylor Bono, Denise Stanford, Victor Thannickal, John Engelhardt, Guillermo Tearney, David Schwartz, Steven Rowe**PA4808 Calgranulin B/S100A9 and KL-6 in bronchoalveolar lavage of patients with IPF and NSIP.**
David Bennett (Siena (SI), Italy), Giuseppe Cillis, Laura Bergantini, Martina Salvini, Paolo Cameli, Antonella Fossi, Rosa Metella Refini, Paola Rottoli**PA4809 ER stress is involved in alveolar epithelial cell dysfunction in hypoxia**
(,), Abdoulaye Soumare, Dominique Marchant, Thomas Gille, Jean-François Bernaudin, Carole Planès, Emilie Boncoeur**PA4810 Sustainability of use of an electronic health journal (patientMpower) for pulmonary fibrosis in a US patient support group (PF Warriors) over 180 days.**
Colin Edwards (Dublin, Ireland), Bill Vick, Eamonn Costello**PA4811 Assessment of blood biomarkers in patients with IPF under antifibrotic therapy**
Nicolas Kahn (Heidelberg, Germany), Marc Schneider, Thomas Muley, Michael Meister, Felix Herth, Michael Kreuter, Peter Wolf

PA4812	TNF-α and IL-10 control macrophage expression of CXCL13, a prognostic biomarker of idiopathic pulmonary fibrosis Nessrine Bellamri (Rennes, France), Chloé Rousseau, Claudie Morzadec, Marianne Le Garrec, Baptiste Arnouat, Audrey Joannes, Bertrand De La Latour, Francisco Llamas-Gutierrez, Laurent VERNHET, Stéphane Jouneau
PA4813	Development of assays to evaluate inflammasomes' activity in the peripheral blood and in alveolar macrophages in fibrotic lung diseases Athina Trachalaki (Iraklio, Greece), Eliza Tsitoura, Eirini Vasarmidi, Eleni Bibaki, George Papastratigakis, George Margaritopoulos, Nikolaos Tzanakis, Katerina Antoniou
PA4814	Definition of trypsin-like enzymes activity as the marker of severity of idiopathic pulmonary fibrosis Kateryna Gashynova (Dnipro, Ukraine), Oksana Karasyova, Viktoriya Rodionova
PA4815	IPF exacerbations: Role of Respiratory tract infections Kimberley Butler (Manchester, United Kingdom), Shoaib Malik, Namrata Kewalramani, Abdul Ashish

7.3A Session 467 13:00 - 14:30

Lunchtime session: Bronchiectasis: new insights in diagnosis and treatment

Aims : The prevalence of bronchiectasis in the United Kingdom increased by 40% between 2004 and 2014. Similar increases have been observed worldwide (European Respiratory Journal 2016 47: 186–193). The rising burden of this disease has led to intense research activity on potential treatments, including multiple randomised controlled trials. Despite this, treatment options remain limited and clinical management is challenging. This joint Lancet/Lancet Respiratory Medicine session aims to give an overview of the latest treatments, clinical developments and cutting-edge research in both adult and paediatric bronchiectasis.

Disease(s) : [Airway diseases](#) [Paediatric respiratory diseases](#)

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Policy maker, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Stefano Aliberti (Milan, Italy), Emma Grainger (LONDON, United Kingdom)

13:00	Bronchiectasis: new therapies and perspectives James D. Chalmers (Dundee (Angus), United Kingdom)	4816
13:23	Diagnosis and management of non-cystic fibrosis bronchiectasis in children Anne Bernadette Chang (Brisbane (QLD), Australia)	4817
13:45	Advances in bronchiectasis: the microbiome, endotyping, genetics and disease heterogeneity Patrick Flume (Charleston, United States of America)	4818
14:08	Amoxicillin-clavulanate versus azithromycin for respiratory exacerbations in children with bronchiectasis: the BEST-2 trial Keith Grimwood (Gold Coast (QLD), Australia)	4819

7.3Q Session 468 13:00 - 14:15

Lungs on fire: Sleep and Breathing Disorders

Aims : • Study real challenging clinical cases

- Learn and exchange ideas with a panel of respiratory experts
- Discuss the various diagnosis and treatment options

Disease(s) : [Sleep and breathing disorders](#)

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiologist

Chairs : Anita Simonds (London, United Kingdom), Paolo Palange (Rome, Italy), Walter McNicholas (Dublin, Ireland), Winfried J. Randerath (Solingen, Germany)

	Session facilitator introduction Raphael Heinzer (Lausanne, Switzerland)	4820
	Case 1 - Author: S. Saraç (Istanbul, Turkey)	4821
	Case 2 - Author: J. Joblon (Franconville, France)	4822

Case 3 - Author: A.C. Rodrigues Vieira (Almada, Portugal)	4823
Case 4 - Author: A. Longoni (Mariano Comense, Italy)	4824
Case 5 - Author: J. Van Woensel (Antwerp, Belgium)	4825

7.3M Session 469 13:00 - 14:30

Lunchtime session: Myths and Truths of Inhaler Technology

Jointly organised by ERS, Boehringer Ingelheim Pharma GmbH, GlaxoSmithKline Services Unlimited, Mundipharma International Limited, Novartis Pharma AG & TEVA Pharmaceuticals Europe BV

Aims : After this session, the audience will have gained a better understanding of the current and upcoming inhaler technologies.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Allergist, General practitioner, Lung function technologist, Nurse, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Chair to be confirmed

13:00	Making sense of inhalers - The device matters more than the drugs ! Speaker to be confirmed	4826
13:30	Using Inhalers and getting it right Speaker to be confirmed	4827
14:00	Adherence: Yesterday, Today and Tomorrow David Price (Singapore, Singapore)	4828

7.2B Session 470 13:00 - 14:15

Lungs on fire: Respiratory Infections

Aims : • Study real challenging clinical cases

- Learn and exchange ideas with a panel of respiratory experts
- Discuss the various diagnosis and treatment options

Disease(s) : Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiologist, Physiotherapist, Radiologist, Thoracic oncologist, Trainee

Chairs : Michael Loebinger (London, United Kingdom), Enrico M. Clini (Modena (MO), Italy), Renaud Louis (Liège, Belgium), Chair to be confirmed

Session facilitator introduction Martin H. Brutsche (St. Gallen, Switzerland)	4829
Case 1 - Author: C. Garcia Polo (Cádiz, Spain)	4830
Case 2 - Author: F. Funke (Essen, Germany)	4831
Case 3 - Author: J.A. Ordoñez Cardales (Bogotá, Colombia)	4832
Case 4 - Author: M. Asadi Gharabaghi (Tehran, Iran)	4833
Case 5 - Author: C. Crimi (Catania, Italy)	4834

7.2D Session 471 13:00 - 14:00

Meet the expert: ME9 Cryobiopsy in interstitial lung disease

Aims : to discuss how to safely perform the bronchoscopic cryobiopsy technique in interstitial lung disease, with a focus on patient selection (indications and contraindications), and to describe how to prevent and deal with possible complications.

Disease(s) : Interstitial lung diseases**Method(s)** : Endoscopy and interventional pulmonology Imaging**Tag(s)** : Clinical**Target audience** : Clinical researcher, Pathologist, Patient, Radiologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Lizzy Wijmans (Amsterdam, Netherlands)

13:00	Cryobiopsy in interstitial lung disease Venerino Poletti (Forli, Italy)	4835
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7.3J	Session 472	13:00 - 14:15
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Lungs on fire: Pulmonary Vascular Diseases & Respiratory Infections

Aims :

- Study real challenging clinical cases
- Learn and exchange ideas with a panel of respiratory experts
- Discuss the various diagnosis and treatment options

Disease(s) : Pulmonary vascular diseases Respiratory infections**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Radiologist, Trainee, Thoracic oncologist**Chairs** : Marc Humbert (Paris, France), Anh Tuan Dinh-Xuan (Paris, France), Francesco Blasi (Milan, Italy), George Dimopoulos (Athens, Greece)

Session facilitator introduction Antoni Torres (Barcelona, Spain)	4836
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Case 1 - Author: M. Silveira Lapa (Sao Paulo, Brazil)	4837
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Case 2 - Author: A. Qayum (London, United Kingdom)	4838
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Case 3 - Author: E.T. Almas (Limerick City, Ireland)	4839
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Case 4 - Author: M. Dianti (Buenos Aires, Argentina)	4840
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Case 5 - Author: R. Coelho Soares Rosa (Lisbon, Portugal)	4841
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Case 6 - Author: T.J. Martins Oliveira (Ribeirao, Portugal)	4842
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7.3E	Session 473	13:00 - 14:00
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Meet the expert: ME11 Management of severe asthma in children**Aims** : to discuss the definition of severe asthma in children and to describe the recommendations regarding the evaluation and treatment of these patients.**Disease(s)** : Airway diseases Paediatric respiratory diseases**Method(s)** : Epidemiology General respiratory patient care Public health Pulmonary function testing**Tag(s)** : Clinical**Target audience** : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Policy maker, Student, Trainee, Adult pulmonologist/Clinician**Chairs** : Raffaella Nenna (Rome, Italy)

13:00	Management of severe asthma in children Jonathan Grigg (London, United Kingdom)	4843
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7.3F	Session 474	13:00 - 14:00
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**Meet the expert: ME10 Pulmonary arterial hypertension: treatment options
Current strategies and future perspectives****Aims** : to summarise the current treatment strategies for pulmonary arterial hypertension (PAH) in light of the results of recent clinical trials, and to discuss ongoing investigations on different pathways that may shape future PAH treatment.

Disease(s) : Pulmonary vascular diseases**Method(s) :** General respiratory patient care Transplantation**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Nurse, Patient, Physiotherapist, Student, Adult pulmonologist/Clinician**Chairs :** Sheila Ramjug (Altrincham, United Kingdom)

13:00	Pulmonary arterial hypertension: treatment options Olivier Sitbon (Le Kremlin-Bicêtre, France)	4844
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7.3I	Session 475	13:00 - 14:00
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Meet the expert: ME12 Immunotherapies for lung cancer**New diagnostic and therapeutic options****Aims :** to provide profound insights into the new developments in the field of immunotherapy in lung cancer, and to describe solid diagnostic and therapeutic algorithms.**Disease(s) :** Thoracic oncology**Method(s) :** Cell and molecular biology General respiratory patient care Imaging**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

13:00	Immunotherapies for lung cancer Thierry Berghmans (Brussels, Belgium)	4845
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13:15-14:30	INDUSTRY PRACTICAL WORKSHOP	SEE PAGE 1
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7.3U	Session 480	13:15 - 14:15
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Meet the expert: ME13 Management of pulmonary and critical care disease during pregnancy**Aims :** To understand the normal respiratory and cardiovascular physiology of pregnancy; to understand the management of asthma and venous thromboembolism during pregnancy; to explain the causes and management of acute respiratory failure in pregnancy.**Disease(s) :** Respiratory critical care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Nurse, Student, Trainee, Adult pulmonologist/Clinician, Patient

13:15	Management of pulmonary and critical care disease during pregnancy Stephanie Levine (San Antonio, United States of America)	4863
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7.3V	Session 484	13:30 - 17:00
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Skills workshop: SW20 Clinical interpretation of spirometry results**Aims :** To know how to interpret spirometry tests; to be able (1) to differentiate between poor technique and technical errors and abnormal spirometry by evaluating patterns in flow volume and volume time curves; and (2) to recognise abnormal from normal spirometry when interpreting curves and results tables by comparing the measured values with the reference values.**Disease(s) :** Airway diseases Pulmonary vascular diseases Sleep and breathing disorders**Chairs :** Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Aisling McGowan (Dublin, Ireland)

13:30	Introduction Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Aisling McGowan (Dublin, Ireland)	4871
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13:45	Recognise technically poor traces and errors of measurement Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4872
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14:05	Common discussion	4873
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14:15	Deciding on reference values and how to calculate them Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)	4874
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14:40	Common discussion	4875
14:50	Break	4876
15:05	Look at F-V/V-T traces and describe the range of abnormal shapes Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Jana Kivastik (Tartu, Estonia), Ebymar Arismendi Nunez (Barcelona, Spain)	4877
15:25	Common discussion	4878
15:35	Describe the severity of any abnormality Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Arne Drews (Grimma, Germany)	4879
16:10	Common discussion	4880
16:20	Write a spirometry report Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Arne Drews (Grimma, Germany)	4881
16:45	Common discussion	4882
16:55	Explanation on post-course assessment Brendan Cooper (Edgbaston (Birmingham), United Kingdom)	4883

7.3T Session 487 14:30 - 16:50

Skills workshop: SW18 Essential skills for the intensive care unit

Aims : to learn the essential skills needed for the daily work in intensive care units.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Christian Bruells (Aachen, Germany)

Introduction	4886
Bronchoscopy - the basics Ralf Eberhardt (Heidelberg, Germany)	4887
Intubation - how to do it correctly Tim Frenzel (Nijmegen, Netherlands)	4888
Percutaneous tracheostomy Ignacio Martin-Loeches (Dublin 8, Ireland)	4889
How to handle haemoptysis Michael Tamm (Basel, Switzerland)	4890

7.3U Session 488 14:30 - 16:50

Skills workshop: SW15 Radiological-pathological correlations in different lung diseases for clinicians

Aims : to demonstrate and discuss the radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

Disease(s) : Airway diseases Thoracic oncology

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee

Chairs : Bogdan Dragos Grigoriu (Bruxelles, Belgium)

Introduction	4891
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Lung emphysema
Claus Peter Heussel (Heidelberg, Germany), Wim Timens (Groningen, Netherlands) 4892

Interstitial fibrosis
Annette Fisseler-Eckhoff (Wiesbaden, Germany), Sara Tomassetti (Forli, Italy) 4893

Lung cancer
Walter De Wever (Leuven, Belgium), Philipp A. Schnabel (Homburg (Saar), Germany) 4894

7.3A Session 489 14:45 - 16:45

Grand round: Clinical Grand Round

Diffuse parenchymal lung diseases

Aims : To identify common and rarer diffuse parenchymal lung disorders (DPLD); and to learn about how the clinical profiles, laboratory features, physio-pathological impairments, imaging aspects and pathology in DPLD correlate with each other.

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Imaging Pulmonary function testing
Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Pathologist, Patient, Physiologist, Radiologist, Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Venerino Poletti (Forli, Italy), Katerina Antoniou (Heraklion, Greece), Leo M.A. Heunks (Amsterdam, Netherlands)

14:45 **Subacute respiratory failure with characteristic clinical and radiological features** 4895
Elisabetta Renzoni (London, United Kingdom)

15:15 **An acute onset with unexpected final diagnosis** 4896
Michael Kreuter (Heidelberg, Germany)

15:45 **Cheerios in the lung** 4897
Sissel Kronborg-White (Lystrup, Denmark)

16:15 **A great mimicker** 4898
Dominique Israel-Biet (Paris, France)

7.3N Session 490 14:45 - 16:45

Symposium: State of the art session: Interstitial lung diseases

Aims : To provide an update on the most recent advances in the diagnosis, management and treatment of interstitial lung diseases (ILD). This session will mainly address clinical issues. Adequate time for discussion of each topic will be provided at the end of each presentation.

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Adult pulmonologist/Clinician

Chairs : Ulrich Costabel (Essen, Germany), Vincent Cottin (Lyon, France)

14:45 **Idiopathic pulmonary fibrosis** 4899
Athol Wells (London, United Kingdom)

15:15 **Connective tissue disease-associated ILD** 4900
Bruno Crestani (Paris, France)

15:45 **Sarcoidosis** 4901
Dominique Valeyre (Paris, France)

16:15 **Hypersensitivity pneumonitis** 4902
Dirk Steffen Koschel (Radebeul, Germany)

7.1A Session 491 14:45 - 16:45

Symposium: The digital @evolution in respiratory medicine: a personalised approach?

Integration of m-health and e-health

Aims : to stage a state-of-the-art symposium on the implications of digital technologies in asthma, tuberculosis, pulmonary rehabilitation, sleep and ventilation.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Lowie Vanfleteren (Horn, Netherlands), Marta Almagro (Barcelona, Spain), Persijn Honkoop (Leiden, Netherlands)

14:45	Asthma and myAirCoach Omar S. Usmani (London, United Kingdom)	4903
15:15	The End TB Strategy Dennis Falzon (Genève, Switzerland)	4904
15:45	Pulmonary rehabilitation Atsuyoshi Kawagoshi (Akita, Japan)	4905
16:15	Sleep and ventilation Stephanie K. Mansell (Guildford (Surrey), United Kingdom)	4906

7.1B Session 492 14:45 - 16:45

Hot topics: Pathophysiology of the human lung alveolus

Development, diseases and in vitro modelling

Aims : The alveolus is the respiratory tissue that is located in the distal part of the airways. Numerous acute and chronic diseases associate with marked changes in the alveoli. Until recently, it was not possible to generate in vitro models of alveoli from primary or pluripotent stem cells. This significantly delayed our understanding of the biology of the lung alveolar epithelium. However, recent developments in tissue modelling have greatly advanced research on the development of the alveolar epithelium and its biology in health and disease, including pathologies of the distal airways such as acute lung injury, infections, emphysema, bronchopulmonary dysplasia, surfactant dysfunction and fibrosis. This session will provide attendees with an opportunity to learn about and discuss the latest information regarding the development of the human lung alveolus and the role of mesenchymal-epithelial cell interactions in this process, the in vitro modelling of the human lung alveolar epithelium using induced pluripotent stem cells and the regeneration of the lung alveolus.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Clinical researcher, Critical/Intensive care physician, Pathologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Remi Villenave (Boston, United States of America), Pieter S. Hiemstra (Leiden, Netherlands)

14:45	The development of the human lung alveolus Marko Nikolic (Cambridge (Cambridgeshire), United Kingdom)	4907
15:15	Disrupted alveolar repair in COPD: lessons from patient studies and models systems Melanie Konigshoff (Denver, United States of America)	4908
15:45	Using induced pluripotent stem cells to model the human lung alveolar epithelium Anjali Jacob (, United States of America)	4909
16:15	The regeneration of the lung alveolus Speaker to be confirmed	4910

7.3C Session 493 14:45 - 16:45

Hot topics: Emerging tobacco products and harm reduction: a tobacco solution to a tobacco problem?

Aims : (i) To show how nicotine addiction maintains tobacco consumption and to explain the principles of harm reduction and their public health applications; (ii) to discuss causality in public health science and to review the evidence on the potential effects of heated tobacco products on human health; (iii) to raise awareness about the tactics of the tobacco industry, in particular how they have produced innovative tobacco products that are claimed to be less harmful, thereby deceiving the consumers about the health risks and addictiveness of tobacco products; (iv) to provide patient perspectives on emerging tobacco and nicotine products; (v) to highlight the leadership role and engagement of the ERS in controlling tobacco use and to present the ERS statement on harm reduction and emerging tobacco products.

Disease(s) : Airway diseases Paediatric respiratory diseases**Method(s)** : Epidemiology Public health**Tag(s)** : Clinical**Target audience** : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Sofia Belo Ravara (Covilhã, Portugal), Stephen Lequet (Paris, France), Isabel Saraiva (Cascais, Portugal)

14:45	Understanding nicotine addiction and the principles of harm reduction Dimos Fotopoulos (Athens, Greece)	4911
15:12	Health effects of heated tobacco products: what we do and do not know Linnea Hedman (Luleå, Sweden)	4912
15:39	How tobacco industry tactics have changed over time: effective regulation is needed Elif Dagli (Istanbul, Turkey)	4913
16:06	Patient perspectives on emerging tobacco and nicotine products Isabel Saraiva (Cascais, Portugal)	4914
16:16	The position of the ERS on harm reduction and emerging tobacco products Charlotta Pisinger (Glostrup, Denmark)	4915

7.3Z1

Session 494

14:45 - 16:45

Symposium: Lung cancer screening and management of solitary pulmonary nodules
Developing a joint and multidisciplinary approach**Aims** : to provide a detailed update on the ongoing pivotal scientific debate about lung cancer screening with low dose computed tomography in high risk groups and consequently the management of solitary pulmonary nodules. Experts from the relevant international societies in this field will together provide a multidisciplinary perspective.**Disease(s)** : Thoracic oncology**Method(s)** : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Pulmonary function testing Surgery**Tag(s)** : Clinical**Target audience** : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs** : Mina Gaga (Athens, Greece), Paul E. Van Schil (Edegem (Antwerp), Belgium)

14:45	What the radiologist can offer - the latest imaging and evaluation techniques for lung cancer screening and comorbidities Hans-Ulrich Kauczor (Heidelberg, Germany)	4916
15:15	What the pneumologist can offer - rapidly evolving noninvasive and invasive diagnostic techniques Dimitri Leduc (Bruxelles, Belgium)	4917
15:45	Cut it away wisely! Thoracic surgery for the solitary pulmonary nodule Gilbert Massard (Strasbourg, France)	4918
16:15	Pulmonary nodules – incidental findings can we wait? Gerard Silvestri (Charleston, United States of America)	4919

7.3B

Session 495

14:45 - 16:45

Oral presentation: Advanced profiling of immune cells in chronic lung diseases**Disease(s)** : Interstitial lung diseases Airway diseases**Method(s)** : General respiratory patient care Cell and molecular biology**Chairs** : Mirjam Kool (Rotterdam, Netherlands), Simon D. Pouwels (Groningen, Netherlands)

OA4920	Late Breaking Abstract - Elevated airway lymphocytes in adults born prematurely with a history of bronchopulmonary dysplasia Jing Gao (Helsinki, Finland), Petra Um-Bergstrom, Melvin Pourbazargan, Eva Berggren-Brostrom, Heta Merikallio, Riitta Kaarteenaho, Stacey Reinke, Craig E Wheelock, Erik Melen, Anders Linden, Asa M Wheelock, C Magnus Skold
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- OA4921 Late Breaking Abstract - Intra-alveolar neutrophil-derived microvesicles: a biomarker of COPD severity**
Justin Garner (Essex, United Kingdom), Sanooj Soni, Kieran O'Dea, Karthi Srikanthan, Eric Tenda, Arafa Aboelhassan, Suveer Singh, Samuel V Kemp, Michael R Wilson, Omar S Usmani, Pallav L Shah, Masao Takata
- OA4922 Late Breaking Abstract - Differentially expressed exosomal miRNAs target key inflammatory pathways in COPD.**
Hannah Burke (Southampton (Hampshire), United Kingdom), Ashley Heinson, Anna Freeman, Kris Ostridge, Alastair Watson, Karl Staples, Mirella Spalluto, Tom Wilkinson
- OA4923 High dimensional single cell analysis reveals unexpected immune cell types, and loss of motility and chemokine receptor expression of alveolar macrophages in chronic obstructive respiratory disease**
Wataru Fujii (Bonn, Germany), Kevin Bassler, Theodoros Kapellos, Carmen Pizarro, Johanna Klein, Dirk Skowasch, Joachim L. Schultze
- OA4924 Analysis of Immunoglobulin A and M gene expression and plasma cells in bronchial tissue from COPD patients with high blood eosinophil counts**
Thomas Southworth (Manchester (Greater Manchester), United Kingdom), Umme Kolsum, Andrew Higham, Sriram Sridhar, Tuyet-Hang Pham, Paul Newbold, Dave Singh
- OA4925 Lung dendritic cells correlate to small airway abnormality & lung CD4+ T cells: SPIROMICS bronchoscopy study**
Mohamed Kady (Ann Arbor, United States of America), Stephanie Christenson, Valerie Stolberg, Melissa Bates, Wassim Labaki, Neil Alexis, Igor Barjaktarevic, Graham Barr, Eugene Bleecker, Richard Boucher, Russell Bowler, Christopher Cooper, David Couper, Claire Doerschuk, Meilan Han, Nadia Hansel, Annette Hastie, Eric Hoffman, Robert Kaner, Fernando Martinez, Deborah Meyers, Wanda O'Neal, Robert Paine, Nirupama Putcha, Micheal Wells, Prescott Woodruff, Christine Freeman, Jeffrey Curtis
- OA4926 Circulating MDSC modulate IPF progression by orchestrating immunosuppressive and pro-fibrotic networks**
Isis Enlil Fernandez (München, Germany), Flavia R. Greiffo, Riti Roi, Jürgen Behr, Alistair Forrest, Oliver Eickelberg
- OA4927 Type-2 CD8+ T lymphocytes responsive to PGD2/LTE4 in severe eosinophilic asthma**
Timothy Hinks (Oxford, United Kingdom), Bart Hilvering, Linda Stoger, Emanuele Marchi, Maryam Salimi, Rahul Shrimanker, Wie Lu, Wentao Chen, Jian Luo, Simei Go, Timothy Powell, Jennifer Cane, Samantha Thulborn, Ayako Kurioka, Tianqi Leng, Jamie Matthews, Clare Connolly, Catherine Borg, Mona Bafadhel, Christian Willberg, Adaikalavan Ramasamy, Ratko Djukanovic, Graham Ogg, Ian Pavord, Luzheng Xue

7.372

Session 496

14:45 - 16:45

Oral presentation: Interventional pulmonology highlights in 2018: ELVR, TLD and BTDisease(s) : **Airway diseases**

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Imaging

Chairs : Peter I. Bonta (Amsterdam, Netherlands), Pallav L. Shah (London, United Kingdom)

- OA4928 Late Breaking Abstract - Endobronchial Valves for Severe Emphysema – 12-month Results of the EMPROVE Trial**
Gerard J. Criner (Philadelphia, United States of America), Antoine Delage, Kirk Voelker
- OA4929 A double-blind, randomized, sham-controlled study of Targeted Lung Denervation in patients with moderate to severe COPD**
Dirk-Jan Slebos (Groningen, Netherlands), Pallav Shah, Felix Herth, Christophe Pison, Christian Schumann, Romain Kessler, Peter Bonta, Wolfgang Gesierich, Ralph-Harto Hubner, Kaid Darwiche, Bernd Lamprecht, Thierry Perez, Dirk Skowasch, Gaetan Deslee, Arschang Valipour
- OA4930 Use of Ventilation-Perfusion Single-Photon Emission Computed Tomography (VQ SPECT) to Select the Target Lobe for Endobronchial Valves Lung Volume Reduction (EBV-LVR)**
Vanessa Sze Theen Tee (Adelaide, Australia), Phan Nguyen, Dion Grosser, Hubertus Jersmann, Benjamin Crouch, Ghee Chew
- OA4931 Characterization of Chartis Phenotypes based on fissure completeness scores**
Christoph Ruwwe-Glösenkamp (Berlin, Germany), Theilig Dorothea, Felix Döllinger, Temmesfeld-Wollbruck Temmesfeld-Wollbruck, Stefan Hippenstiel, Suttorp Norbert, Ralf-Harto Huebner
- OA4932 Twelve-month positive outcomes of Zephyr endobronchial valves in severe emphysema patients: LIBERATE trial**
Dirk-Jan Slebos (Groningen, Netherlands), Shawn Wright, Richard Sue, Mark Dransfield, Hiram Rivas-Perez, Tanya Wiese, Frank Sciruba, Pallav Shah, Momen Wahidi, Hugo De Oliveira, Brian Morrissey, Paulo Cardoso, Steven Hays, Adnan Majid, Nicholas Pastis, Lisa Kopas, Mark Vollenweider, Paul M. Mcfadden, Michael Machuzak, David Hsia, Arthur Sung, Nabil Jarad, Malgorzata Kornaszewska, Stephen Hazelrigg, Ganesh Krishna, Nick Ten Hacken, Narinder Shargill, Gerard Criner
- OA4933 Airway smooth muscle mass reduction after Bronchial Thermoplasty in asthmatics correlates with FEV1.**
Julia N.S. d'Hooghe (Amsterdam, Netherlands), Annika W.M. Goorsenberg, Nick H.T. Ten Hacken, Els J.M. Weersink, Joris J.T.H. Roelofs, Thais Mauad, Pallav L. Shah, Jouke T. Annema, Peter I. Bonta

OA4934 Acute Airway Effects of Bronchial Thermoplasty Assessed by Optical Coherence Tomography (OCT)
Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N.S. D'Hooghe, Daniel M. De Bruin, Inge A.H. Van Den Berk, Jouke T. Annema, Peter I. Bonta

OA4935 Bronchodilator responsiveness as a success predictor for bronchial thermoplasty
David Langton (Frankston (VIC), Australia), Alvin Ing, David Fielding, Wei Wang, Virginia Plummer, Francis Thien

7.3K Session 497 14:45 - 16:45

Symposium: Malignant pleural effusions

Aims : To present the recently completed statement of the ERS task force on malignant pleural effusions and the primary results of AMPLE 2 and TAPPS, which are two recent randomised controlled trials on pleural malignancy. An update on the results of recent trials on the oncological management of mesothelioma will also be provided.

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Giuseppe Cardillo (Roma (RM), Italy), Marios E. Froudarakis (Alexandroupolis, Greece)

14:45	2018 ERS-EACTS statement on malignant pleural effusions Anna Bibby (Bristol (Avon), United Kingdom)	4936
15:15	What is the best oncological management strategy for mesothelioma in 2018? Arnaud Scherpereel (Lille, France)	4937
15:45	Talc slurry vs. talc poudrage: primary results of the TAPPS trial Rahul Bhatnagar (Bristol, United Kingdom)	4938
16:15	Regular vs. symptomatic drainage of indwelling pleural catheters: primary results of the AMPLE 2 trial Gary Yc Lee (Perth (WA), Australia)	4939

7.3Q Session 498 14:45 - 16:45

Oral presentation: Chronic thromboembolic pulmonary hypertension

Disease(s) : Pulmonary vascular diseases

Method(s) : Physiology Cell and molecular biology Epidemiology General respiratory patient care Surgery

Chairs : Gérald Simonneau (Le Kremlin-Bicêtre, France), Marion Delcroix (Leuven, Belgium)

OA4940 Late Breaking Abstract - Balloon Pulmonary Angioplasty for the Treatment of Non Operable Chronic Thromboembolic Pulmonary Hypertension – Initial experience of a Belgian Center
Laurent Godinas (Leuven, Belgium), Bonne Lawrence, Budts Werner, Belge Catharina, Leys Mathias, Delcroix Marion, Maleux Geert

OA4941 Pulmonary denervation is a new alternative non-pharmacological treatment for residual pulmonary hypertension after pulmonary endarterectomy
Alexander Edemskiy (Novosibirsk, Russian Federation), Alexander Chernyavskiy, Boris Rudenko, Natalya Novikova, Alexander Romanov

OA4942 Balloon pulmonary angioplasty (BPA) for inoperable chronic thromboembolic pulmonary hypertension (CTEPH)
Xavier Jais (Le Kremlin-Bicêtre, France), Philippe Brenot, Yu Taniguchi, Carlos Garcia, Olivier Planché, Benoit Gérardin, Sacha Mussot, Olaf Mercier, Mitja Jevnikar, Laurent Savale, Florence Parent, Olivier Sitbon, David Montani, Marc Humbert, Elie Fadel, Gérald Simonneau

OA4943 Survival in medically treated chronic thromboembolic pulmonary hypertension patients
Marion Delcroix (Leuven, Belgium), Gerd Staehler, Henning Gall, Ekkehard Grünig, Matthias Held, Michael Halank, Hans Klose, Anton Vonk-Noordegraaf, Stephan Rosenkranz, Joanna Pepke-Zaba, Christian Opitz, Simon Gibbs, Tobias Lange, Iraklis Tsangaris, Doerte Huscher, David Pittrow, Karen Olsson, Marius Hooper

OA4944 Factors associated with survival in patients with not-operated chronic thromboembolic pulmonary hypertension (CTEPH) in the modern management era
Yu Taniguchi (Kobe, Japan), Xavier Jaïs, Athénaïs Boucly, Jason Weatherald, Mitja Jevnikar, Philippe Brenot, Olivier Planché, Florence Parent, Laurent Savale, Elie Fadel, David Montani, Gérald Simonneau, Marc Humbert, Olivier Sitbon

OA4945 Macitentan in chronic thromboembolic pulmonary hypertension (CTEPH): experience from the OPUS registry
Nick Kim (La Jolla, United States of America), Richard Channick, Vallerie McLaughlin, John McConnell, David Poch, Monika Brand, Erwan Muros-Le Rouzic, Mona Selej, Kelly Chin

OA4946 Endothelial progenitor cells in chronic thromboembolic pulmonary hypertension
Keiko Yamamoto (Chiba, Japan), Rintaro Nishimura, Akira Naito, Fumiaki Kato, Rika Suda, Takayuki Jujo Sanada, Seiichiro Sakao, Nobuhiro Tanabe, Koichiro Tatsumi

OA4947 Local inhibition of angiogenesis combined with repeated blood clot embolization induces chronic thromboembolic pulmonary hypertension in rabbits
Rozenn Quarck (Leuven, Belgium), Allard Wagenaar, Birger Tielemans, Pedro Mendes-Ferreira, Frederic Perros, Peter Dorfmueller, Catharina Belge, Marion Delcroix

7.3M Session 499 14:45 - 16:45

Oral presentation: Bronchiectasis: phenotypes, endotypes and new therapies

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Cell and molecular biology Epidemiology Respiratory intensive care General respiratory patient care

Chairs : Menno M. van der Eerden (Rotterdam, Netherlands), Anne Bernadette Chang (Brisbane (QLD), Australia)

OA4948 Antimicrobial peptides and airway bacterial colonization in bronchiectasis
Oriol Sibila (Barcelona, Spain), Lidia Perea, Elisabet Cantó, Guillermo Suarez-Cuartin, Ana Rodrigo-Troyano, Leonardo Terranova, Martina Oriano, Jordi Giner, Silvia Vidal, Stefano Aliberti, James D Chalmers

OA4949 Heterogeneous impact of sputum supernatant on neutrophil phagocytosis in bronchiectasis
Holly Rachael Keir (Dundee (Angus), United Kingdom), Diane Cassidy, Megan Crichton, Simon Finch, James D Chalmers

OA4950 Effects of gastro-oesophageal reflux and pulmonary micro-aspiration in bronchiectasis
Melissa McDonnell (Oranmore (Co Galway), Ireland), Jeeban Das, Daniel O'Toole, Adil Aldrahani, Bernard Verdon, Matthew Wilcox, Jeffrey Pearson, James Lordan, Anthony De Soya, Najwa Sousi, James Chalmers, John Laffey, Michael Loebinger, Chris Ward, Robert Rutherford

OA4951 Determinants of quality of life in bronchiectasis using the quality of life bronchiectasis (QOL-B) questionnaire: data from the EMBARC registry
Eva Polverino (Barcelona, Spain), Francesco Blasi, Felix Ringshausen, Antony De Soya, Montserrat Vendrell, Pieter Goeminne, Wim Boersma, Charles Haworth, Marlene Murriss, Katerina Dimakou, Michael Loebinger, Rosasio Menendez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James Chalmers

OA4952 Phenotypes in Bronchiectasis from the EMBARC India Registry
Raja Dhar (Kolkata (West Bengal), India), Sheetu Singh, Deepak Talwar, Sagar Chandrashekariah, Surya Kant, Rajesh Swarnakar, Srinivas Rajagopala, George D'Souza, Padmanabhan Arjun, Shubham Sharma, Archana Baburao, P.A Mahesh, Sonali Trivedi, Babaji Ghewade, Aditya Jindal, Girija Nair, Gayathri Devi H.J, Kripesh Sarmah, Honney Sawhney, Kaushik Saha, Arjun Khanna, Samir Gami, Anantharaj Suresh, Arpan Shah, Naveen Dutt, Arti Shah, Himanshu Garg, Sunil Vyas, K Venugopal, Rajendra Prasad, Saurabh Karmakar, Virendra Singh, Shivani Saxena, Preethi Vasudev, B.S Jayaraj, Rahul Kungwani, Akanksha Das, Palak Shah, Anshul Mangla, Nikita Jajodia, Harsh Saxena, Leena Johnson, Sneha Limaye, Sundeep Salvi, Stefano Aliberti, James Chalmers

OA4953 The clinical impact of pseudomonas aeruginosa eradication in bronchiectasis in a Dutch center of expertise
Menno M. van der Eerden (Rotterdam, Netherlands), A.L.P. Pieters, Marleen Bakker, R.A.S. Hoek, Josje Altenburg, J.G.J.V. Aerts

OA4954 Reduction of pulmonary exacerbations in two phase 3 Trials: in-depth analyses
Angela Davis (Durham, United States of America), David Cipolla, Angela Davis, Juergen Froehlich, Igor Gonda, Bruce Thompson

7.3O Session 500 14:45 - 16:45

Symposium: Early Career Member: career and opportunities

Aims : This session is organized by the ERS Early Career Member Committee and aims to provide important insight into the critical steps for a successful future career in respiratory research and medicine; to give insight into new possibilities to transfer between academia and industry and how these have changed in the 21st century; to introduce the Early Career Member Committee and depict ways of how to get actively involved in the ERS; and to summarise the current fellowship offers from the ERS, with a shared personal experience of a recent fellowship recipient.

Target audience : Student, Trainee

Chairs : Rory Morty (Bad Nauheim, Germany), Isaac Almendros (Barcelona, Spain)

14:45 The ingredients for a successful career in the respiratory field: what every young investigator needs to know
Liz Elvidge (London, United Kingdom)

4955

15:05	Transitions between academia and industry in the 21st century: changing the dogma Maria Gabriela Belvisi (Mölnadal, Sweden)	4956
15:25	The Early Career Member Committee of the ERS Lieuwe Bos (Amsterdam, Netherlands)	4957
15:45	Overview of the ERS fellowship schemes Rory Morty (Bad Nauheim, Germany)	4958
15:55	Experience of a RESPIRE3 fellow Sara Rolandsson Enes (Burlington, United States of America)	4959
16:05	Panel Discussion	4960

7.3P Session 501 14:45 - 16:45

Oral presentation: Epidemiology, phenotypes and cardiometabolic comorbidities of obstructive sleep apnoea

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Epidemiology Public health

Chairs : Jan A. Hedner (Göteborg, Sweden), Jean-Louis Pépin (Grenoble, France)

- OA4961** **Late Breaking Abstract - European prevalence of OSA in adults: Estimation using currently available data**
Atul Malhotra (La Jolla, United States of America), Raphael Heinzer, Mary J Morrell, Thomas Penzel, Jean-Louis Pépin, Kate Valentine, Carlos Nunez, Adam Benjafield
- OA4962** **Hypoxia and cardiovascular comorbidity in the ESADA OSA patients with insomnia symptoms**
Ulla Anttalainen (Paimio, Finland), Jan Hedner, Silke Ryan, Renata Riha, Ingo Fietze, Richard Staats, Ludger Grote, Tarja Saaresranta
- OA4963** **Sleep determinants of incident hypertension in a population-based cohort: the CoLaus/HypnoLaus study**
Raphael Heinzer (Lausanne, Switzerland), CAMILA HIROTSU, Pedro Marques-Vidal, Peter Vollenweider, Gérard Waeber, Monica Betta, Giulio Bernardi, Francesca Siclari, Jose Haba-Hubio
- OA4964** **Mild obstructive sleep apnoea (OSA) and arterial hypertension in the European Sleep Apnoea Database (ESADA) cohort study.**
Izolde Bouloukaki (Heraklion (Crete), Greece), Paschalis Steiropoulos, Marisa Bonsignore, Walter McNicholas, Jan Hedner, Ludger Grote, Oreste Marrone, Johan Verbraecken, Ozen Basoglu, Gianfranco Parati, Carolina Lombardi, Athanasia Pataka, Sophia Schiza
- OA4965** **Polysomnographic characteristics and cardiac function in coronary artery disease patients with nonsleepy obstructive sleep apnoea**
Yuksel Peker (Istanbul, Turkey), Baran Balcan, Helena Glantz, Erik Thunström
- OA4966** **Depression and response to CPAP treatment in coronary artery disease patients with sleepy vs nonsleepy obstructive sleep apnoea**
Yuksel Peker (Istanbul, Turkey), Baran Balcan, Erik Thunström
- OA4967** **THE ASSOCIATION OF BRAIN-DERIVED NEUROTROPHIC FACTOR GENE POLYMORPHISM WITH OBSTRUCTIVE SLEEP APNEA SYNDROME and OBESITY**
Nuri Tutar (Kayseri, Turkey), Mehmet YüKsekkaya, Munis DüNdar, Insu Yilmaz, Inci Gulmez, Fatma Sema Oymak, Burhan Balta, Keziban Korkmaz
- OA4968** **Obstructive sleep apnea as risk factor for incident metabolic syndrome: a multicentric prospective epidemiological study**
CAMILA HIROTSU (São Paulo, Brazil), Jose Haba-Hubio, Pedro Marques-Vidal, Sonia Togeiro, Peter Vollenweider, Gérard Waeber, Martin Preisig, Lia Bittencourt, Sergio Tufik, Raphael Heinzer

7.3L Session 502 14:45 - 16:45

Poster discussion: Disease exacerbations from a molecular point of view

Disease(s) : Respiratory infections Airway diseases Respiratory infections

Method(s) : Imaging Physiology Cell and molecular biology

Chairs : Lydia Finney (London, United Kingdom), Jean-Michel Sallenave (Paris, France)

- PA4969 Serum hyaluronidase-1 is increased in COPD exacerbations and is associated with COPD severity and outcomes**
Eleni Papakonstantinou (Thessaloniki, Greece), Ioannis Bonovolias, George Karakioulakis, Michael Tamm, Renaud Louis, Branislava Milenkovic, Wim Boersma, Konstantinos Kostikas, Francesco Blasi, Joachim Aerts, Gernot Rohde, Alicia Lakoma, Antoni Torres, Tobias Welye, Daiana Stolz
- PA4970 Modeling exacerbation using ozone exposure in COPD patients: CO3PD pilot study**
Mehrdad Arjomandi (San Francisco, United States of America), Sreelakshmi Vasudevan, Hofer Wong, Sarah Dalton, Siyang Zeng
- PA4971 Investigation of the very early immune response in viral induced experimental asthma exacerbation**
Rebecca Bodenstern-Sgro (Borstel, Germany), Sina Webering, Michael Wegmann
- PA4972 Club cell secretory protein: a key mediator in Mycoplasma pneumoniae infection.**
Julie Ledford (Tucson, United States of America), Stefano Guerra, Fernando Martinez, Monica Kraft
- PA4973 Host defence functions of BPIFA1 against Non-typeable Haemophilus influenzae**
Renata Caikauskaitė (Sheffield (South Yorkshire), United Kingdom), Apoorva Mulay, Derek Hood, Steve Brown, James Stewart, Lynne Bingle, Colin Bingle
- PA4974 Murine model for investigating virus-induced exacerbations of COPD-related inflammation – preclinical biomarker validation**
Martin Wolff (Stülfeld, Germany), Natalia El-Merhie, Sabine Bartel, Heinz Fehrenbach, Sebastian Reuter, Susanne Krauss-Etschmann
- PA4975 Microarray analysis of poly(I:C) and IL-13 co-stimulated human airway epithelium**
Johanna Christine Ehlers (Borstel, Germany), Christina Vock, Heinz Fehrenbach
- PA4976 Human rhinovirus 16 infection of human macrophages impairs internalisation via disrupting the actin cytoskeleton**
Jamil Jubrail (Paris, France), Kshanti Africano-Gomez, Floriane Herit, Pierre-Regis Burgel, Lisa Oberg, Elisabeth Israelsson, Kristofer Thorn, Gaell Mayer, Danen Cunoosamy, Nisha Kurian, Florence Niedergang
- PA4977 Human rhinovirus 16 infection of human macrophages impairs their clearance ability by perturbing phagosome maturation**
Florence Niedergang (Paris, France), Jamil Jubrail, Kshanti Africano-Gomez, Floriane Herit, Pierre-Regis Burgel, Lisa Oberg, Elisabeth Israelsson, Kristofer Thorn, Gaell Mayer, Danen Cunoosamy, Nisha Kurian
- PA4978 Effect of Hypertonic Saline Solution on cultures of human respiratory epithelium infected by respiratory syncytial virus**
Juan Manuel Figueroa (Ciudad Autónoma Buenos Aires, Argentina), Doris Primrose, Andrea Vdugour, Valeria Ochoa, Julieta Bitler, Fernando Erra Diaz
- PA4979 Impairment of respiratory host defence resulting from cigarette smoke-induced changes in airway epithelial cell differentiation**
Anne M. van der Does (Leiden, Netherlands), Gimano D. Amatngalim, Jasmijn A. Schrupf, Fernanda Dishchekenian, Tinne C.J. Mertens, Dennis K. Ninaber, Abraham C. Van Der Linden, Charles Pilette, Christian Taube, Pieter S. Hiemstra
- PA4980 Cigarette smoke extracts decrease basal and lipopolysaccharide-induced expression of macrophage receptor with collagenous structure via degradation of p300**
KYOUNG-HEE LEE (SEOUL, Republic of Korea), Chang-Hoon Lee, Chul-Gyu Yoo
- PA4981 The activation of NLRP3 inflammasome pathway in COPD is limited in local airways**
Juan-Juan Fu (Chengdu (Sichuan), China), Bing Mao, Sheng-Jun Wang, Wei Xiao, Guan-Hong Li, Li-Hua Wu
- PA4982 The effect of double-stranded RNA on extracellular matrix deposition in an in vitro model of the airway mucosa**
Chiara Banas (Southampton (Hampshire), United Kingdom), Alison R Hill, Cornelia Blume, Donna Davies, Emily Swindle
- PA4983 The effect of dietary fatty acids on respiratory infection in human lung cells**
Sandra Rutting (Sydney (NSW), Australia), Jay Horvat, Lisa Wood, Phil Hansbro, Brian Oliver
- PA4984 Pseudomonas aeruginosa LasB subverts innate immunity in alveolar macrophages and epithelial cells**
Saadé Kheir (Paris, France), Bérengère Villeret, Nicolas Serafini, Romé Voulhoux, Ignacio Garcia Verdugo, James Di Santo, Jean-Michel Sallenave
- PA4985 BPI Fold Containing Family A Member 1 (BPIFA1) regulates mucosal microbiota and basal Interferon signaling**
Clemente Britto (New Haven, United States of America), Sara Khanal, Bejamin Wu, Yonghua Li, Leopoldo Segal
- PA4986 Blocking IL-20 pathway limits the development of bacteria induced exacerbation in mice chronically exposed to cigarette smoke.**
Bachirou Koné (Lille, France), Fahima Madouri, Olivia Barada, Gwenola Kervoaze, Eva Vilain, Muriel Pichavant, Phillip Gosset

Terminal 7

Session 503

14:45 - 16:45

Oral presentation: Cystic fibrosis: diagnosis and monitoring

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Imaging General respiratory patient care Physiology

Chairs : Alex Horsley (Manchester, United Kingdom), Laurie Smith (Sheffield (South Yorkshire), United Kingdom)

- OA4987 Do deviations in tidal breathing impact multiple breath washout measurements?**
Renee Jensen (Toronto (ON), Canada), Reginald McDonald, Sanja Stanojevic, Felix Ratjen
-
- OA4988 Lung clearance index and lung ultrasound in cystic fibrosis children**
Ioana Mihaela Ciuca (Timisoara (Timis), Romania), Mihaela Dediu, Liviu Laurentiu Pop
-
- OA4989 Repeatability of ventilation and perfusion assessment by functional MRI in children with CF**
Sylvia Nyilas (Bern, Switzerland), Grzegorz Bauman, Orso Pusterla, Enno Stranzinger, Kathryn Ramsey, Florian Singer, Sophie Yammine, Carmen Casaulta, Oliver Bieri, Philipp Latzin
-
- OA4990 The effect of inhaled lung volume on ventilation heterogeneity in CF using 3He MRI**
Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Guilhem Collier, Helen Marshall, Paul Hughes, Jody Bray, Oliver Rodgers, Ina Aldag, Noreen West, Martin Wildman, Alex Horsley, Jim Wild
-
- OA4991 Comparison between the 1-minute sit-to-stand test and quadriceps strength in patients with cystic fibrosis**
Sophie Hardy (Gembloux, Belgium), Silvia Berardis, Gregory Reychler, Sophie Gohy
-
- OA4992 Glycaemic variability indices are associated with increased pulmonary function decline in people with cystic fibrosis**
Freddy Frost (Liverpool, United Kingdom), Paula Dyce, Dennis Wat, Martin Walshaw, Dilip Nazareth

7.2A

Session 504

14:45 - 16:45

Poster discussion: Understanding the immunopathology that underlies airway obstructive diseases

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Imaging Physiology General respiratory patient care Cell and molecular biology

Chairs : Sven-Erik Dahlén (Stockholm, Sweden), Christian Taube (Essen, Germany)

- PA4993 Increased pro-inflammatory regulatory T Cells correlate with the plasticity of T helper cell differentiation in asthma**
Jia HOU (, China), Lei Xin, Junjie Gao, Chengxuan Tian, Weirong Ma, Zhigang Tian, Xiwei Zheng
-
- PA4994 Th-17 cytokine profile in a Greek asthmatic population. Correlation with asthma severity and biomarkers of inflammation.**
Kalliopi Domvri (Thessaloniki, Greece), Konstantinos Porpodis, Georgios Tzimagiorgis, Fani Chatzopoulou, Despoina Ioannidou, Evangelia Fouka, Georgios Kyriazis, Theodoros Kontakiotis, Despoina Papakosta
-
- PA4995 FOXP3 genetic variants are associated with asthma severity in Brazilian women.**
Norma Carneiro (Salvador/BA, Brazil), Camila Figueiredo, Bianca Fiuza, Hugo Da Silva, Raimon Da Silva, Tamires Carneiro, Milca Silva, Valdirene Carneiro, Ryan Costa, Jamille Fernandes, Luciana Cardoso, Alvaro Cruz Filho, Hellen Freitas
-
- PA4996 Variants in IL17A and IL17F are risk factors to uncontrolled asthma**
Camila Figueiredo (Salvador (BA), Brazil), Milca Silva, Regina Santos, Icanaã Brandão, Hellen Fonseca, Emilia Medeiros, Luciana Cardoso, Jamille Fernandes, Roberta Espinheira, Neuza Alcantara-Neves, Alvaro Cruz, Ryan Costa
-
- PA4997 The new approach to understand the role of IL-15 and BMP proteins in asthma remodelling based on methacholine challenge test evidence.**
Marcelina Koćwin (Łódź, Poland), Mateusz Jonakowski, Lukasz Mokros, Michal Panek, Janusz Szemraj, Piotr Kuna
-
- PA4998 Unraveling the role of miR-223-3p in the regulation of airway inflammation in asthma**
Mirjam P. Roffel (Groningen, Netherlands), Ilse Boudewijn, Victor Guryev, Corry-Anke Brandsma, Maarten Van Den Berge, Ken Bracke, Tania Maes, Irene Heijink
-
- PA4999 Mechanisms of impaired anti-bacterial Th1 responses in patients with chronic obstructive pulmonary disease**
Dino Tan (Perth (WA), Australia), Dave Singh, Haydn Walters, Peter Wark, Yuben Moodley
-
- PA5000 Inflammatory mediators in eosinophilic COPD phenotype and asthma with fixed airflow obstruction**
Jitsupa Onnipa (Nan, Thailand), Theerasuk Kawamatawong, Dhanesh Pitidhamabhorn, Chavachol Setthaudom
-
- PA5001 A novel house dust mite-induced asthma model in guinea pigs driven by mast cells**
Patricia Ramos Ramirez (Stockholm, Sweden), Malin Noreby, Jieliu Liu, Joshua Gregory, Anne Petrán, Henric K. Olsson, Gunnar Nilsson, Sven-Erik Dahlén, Mikael Adner

- PA5002 Mast cell tryptase induce alarmin release and secretion of pro-inflammatory cytokines from bronchial epithelial cells**
Sangeetha Ramu (Lund, Sweden), Leif Bjermer, Jonas Erjefält, Lena Uller, Cecilia Andersson
-
- PA5003 Dupilumab shows rapid and sustained suppression of inflammatory biomarkers in corticosteroid (CS)-dependent severe asthma patients in LIBERTY ASTHMA VENTURE**
Klaus F. Rabe (Grosshansdorf, Germany), Guy Brusselle, Mario Castro, Lawrence Sher, Hongjie Zhu, Qunming Dong, Jennifer D. Hamilton, William Brian, Alexandre Jagerschmidt, Gianluca Pirozzi, Nikhil Amin, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper
-
- PA5004 Dupilumab improves mental health measures in patients with chronic rhinosinusitis and nasal polyposis (CRSwNP)**
Asif Khan (Chilly-Mazarin, France), Claus Bachert, Robert Naclerio, Peter Hellings, Sophie Guillonnet, Christine Taniou, Jaman Maroni, Paul Rowe, Leda Mannent, Nikhil Amin, Siddhesh Kamat
-
- PA5005 Dupilumab shows rapid and sustained suppression of inflammatory biomarkers in asthma patients in LIBERTY ASTHMA QUEST**
Sally Wenzel (Pittsburgh, United States of America), Ian D. Pavord, Klaus F. Rabe, Alberto Papi, J. Mark Fitzgerald, Alexandre Jagerschmidt, William Brian, Qunming Dong, Brian N. Swanson, Jennifer D. Hamilton, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper
-
- PA5006 Triple combination of montelukast or tiotropium and inhaled corticosteroids plus long-acting β 2-agonist in persistent asthma**
Makoto Hoshino (Atami, Japan), Kenta Akitsu, Junichi Ohtawa
-
- PA5007 Safety profile of a novel peptide, PIN201104, with potential to act as a disease modifying, broad spectrum treatment for asthma**
Jeannette Watson (Stevenage (Hertfordshire), United Kingdom), Donata Federici-Canova, Nicky Cooper, Clare Burgess
-
- PA5008 Bacterial lysates in the prevention of asthma exacerbations in uncontrolled asthma: the Breathe study**
Geertje M. de Boer (Rhoon, Netherlands), Gert-Jan Braunstahl, Rudi W. Hendriks, Gerdien A. Tramper
-
- PA5009 The effect of Mepolizumab for not completely satisfied Omlizumab treated asthmatics.**
Motokazu Kato (Osaka, Japan)
-
- PA5010 Bronchoalveolar lavage transcriptome and eicosanoid profiles reveal heterogeneity of lower airway inflammation in aspirin-exacerbated respiratory disease (AERD)**
Grażyna Bochenek (Kraków, Poland), Bogdan Jakiela, Anna Gielicz, Hanna Plutecka, Marek Przybyszowski, Jerzy Soja, Krzysztof Śladek

7.2B Session 505 14:45 - 16:45

Poster discussion: Primary ciliary dyskinesia and lung function tests in respiratory morbidities

Disease(s) : **Respiratory infections** **Airway diseases** **Respiratory infections**

Method(s) : Physiology Surgery Public health General respiratory patient care Epidemiology

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), Myrofora Goutaki (Bern, Switzerland)

- PA5011 Do changes in spirometric indices and FeNO predict asthma outcomes in children? An individual patient data analysis using results from seven FeNO trials**
Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Shona Fielding, Marielle Pijnenburg, Johan De Jongste, Katy Pike, Graham Roberts, Helen Petsky, Anne Chang, Maria Fritsch, Thomas Frischer, Stan Szeffler, Peter Gergen, Françoise Vermeulen, Robin Vael
-
- PA5012 Reduced first trimester fetal size and asthma outcomes to age 29 years – results from a “virtual” birth cohort**
Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Lorna Aucott
-
- PA5013 Associations of maternal Chlamydia trachomatis infection with wheezing, lung function and asthma in children.**
Evelien R. van Meel (Rotterdam, Netherlands), Marina Attanasi, Irwin K. Reiss, Henriëtte A. Moll, Johan C. De Jongste, Vincent W.V. Jaddoe, Liesbeth Duijts
-
- PA5014 Lung function and oral health in adolescents**
Joachim Heinrich (München, Germany), Elisabeth Thiering, Rudolf Jörres, Holger Schulz, Jan Kühnisch, Marie Standl
-
- PA5015 Prenatal exposure to organochlorine compounds and lung function until early adulthood**
Maribel Casas (Barcelona, Spain), Maribel Casas, Alicia Abellan, Raquel Garcia, Maties Torrent, Céline Roda, Mireia Gascón, Amparo Ferrero, Maria-Jose Lopez-Espinosa, Carlos Zabaleta, Mikel Basterrechea, Joan Grimalt, Judith Garcia-Aymerich, Martine Vrijheid, Jordi Sunyer

- PA5016 Prenatal exposure to perfluoroalkyl substances and immune and respiratory outcomes**
Maribel Casas (Barcelona, Spain), Cyntia B. Manzano-Salgado, Berit Granum, Maria-Jose Lopez-Espinosa, Ferran Ballester, Carmen Iñiguez, Mireia Gascon, David Martinez, Mònica Guxens, Mikel Basterretxea, Carlos Zabaleta, Thomas Schettgen, Jordi Sunyer, Martine Vrijheid
- PA5017 Longitudinal changes in spirometry in perinatally HIV-infected adolescents on antiretroviral therapy in Cape Town, South Africa**
Leah Githinji (Cape Town, South Africa), Diane Gray, Siphon Hlengwa, Takwanisa Machededze, Landon Myer, Heather Joy Zar
- PA5018 Associations between early life exposure to pollen and adolescent lung function are modified by residential greenness**
Katrina Anne Lambert (Bundoora, Australia), Caroline Lodge, Luke A Prendergast, Gayan Bowatte, Adrian Lowe, Matthias Wjst, Michael J Abramson, Shyamali C Dharmage, Bircan Erbas
- PA5019 Prevalence of exercise-induced bronchoconstriction and exercise-induced laryngeal obstruction in adolescents attending national sports high school**
Henrik Johansson (Uppsala, Sweden), Karin Ersson, Andrei Malinowski, Elisabet Mallmin, Katarina Norlander, Leif Nordang
- PA5020 Infant lower respiratory tract illness reduces lung function at 2 years in African children**
Diane Gray (Cape Town, South Africa), Lidija Turkovic, Lauren Mcmillan, Carvern Jacobs, Jacobus A Stadler, Aneesa Vanker, Zoltan Hantos, Dorettya Czovek, Peter D Sly, Graham L Hall, Heather J Zar
- PA5021 Neonatal manifestations in Primary Ciliary Dyskinesia: a multinational cohort study**
Myrofora Goutaki (Bern, Switzerland), Florian S. Halbeisen, Agatha C. Wisse, Israel Amirav, Angelo Barbato, Carmen Casaulta, Suzanne Crowley, Eric G. Haarman, Robert A. Hirst, Bulent Karadag, Jane S. Lucas, Lucy Morgan, Ugur Özçelik, Santiago Ucos, Panayiotis Yiallourous, Zorica Zivkovic, Philipp Latzin, Claudia E. Kuehni
- PA5022 Accuracy of high-speed video microscopy to diagnose primary ciliary dyskinesia**
Bruna Rubbo (Southampton (Hampshire), United Kingdom), Isabel Reading, Amelia Shoemark, Claire Jackson, Robert A. Hirst, James Thompson, Joseph Hayes, Emily Frost, Fiona Copeland, Christopher O'Callaghan, Claire Hogg, Jane S. Lucas
- PA5023 Prevalence and Impact of Lung Resection in Primary Ciliary Dyskinesia: a cohort and nested case-control study**
Panayiotis Yiallourous (Aglangia (Nicosia), Cyprus), Panayiotis Kouis, Myrofora Goutaki, Florian S. Halbeisen, Ifigeneia Gioti, Nicos Middleton, Israel Amirav, Angelo Barbato, Laura Behan, Mieke Boon, Nagehan Emiralioglu, Eric Haarman, Bulent Karadag, Cordula Koerner-Rettberg, Romain Lazor, Michael R. Loebinger, Bernard Maitre, Henryk Mazurek, Lucy Morgan, Kim Gjerum Nielsen, Heymut Omran, Ugur Özçelik, Mareike Price, Andrzej Pogorzelski, Deborah Snijders, Guillaume Thouvenin, Claudius Werner, Zorica Zivkovic, Claudia E. Kuehni
- PA5024 Clinical features & management of 334 children with primary ciliary dyskinesia in the English National Cohort**
Woolf Walker (Southampton (Hampshire), United Kingdom), Bruna Rubbo, Sunayna Best, Robert Hirst, Florian Gahleitner, Siobhan B Carr, Philip Chetcuti, Claire Hogg, Priti Kenia, Jane S Lucas, Eduardo Moya, Manjith Narayanan, Christopher O'Callaghan, Michael Williamson
- PA5025 Measurement of volatile organic compounds in exhaled breath of children of the ALL Age Asthma Cohort**
Oliver Fuchs (Bern, Switzerland), Maximilian Ehrmann, Erika Von Mutius, Gesine Hansen, Matthias Kopp, Jens M Hohlfeld, Olaf Holz
- PA5026 Early life home indoor bacterial and fungal microbiota measured with amplicon sequencing and risk of asthma by the age of 10.5 years**
Juha Pekkanen (Helsingin yliopisto, Finland), Martin Täubel, Pirkka Kirjavainen, Anne Hyvärinen, Sami Remes, Erika Von Mutius, Anne Karvonen, Paul Mercer (paul.mercer@ucl.ac.uk / UCL, London), Rachel Chambers (r.chambers@ucl.ac.uk / UCL, London)
- PA5027 An observational study of incident diagnoses of children's diffuse parenchymal lung disease (ChILDEU)**
Steve Cunningham (Edinburgh (Scotland), United Kingdom), Cat Graham, Morag Maclean, Paul Aurora, Michael Ashworth, Alistair Calder, Annick Clement, Meike Hengste, Nural Kiper, Katarzyna Krenke, Joanna Lange, Andrew Nicholson, Simone Reu, Deborah Snijders, Andrew Bush, Nico Schwerk, Matthias Griese
- PA5028 Symptoms of vocal cord paresis among children born extremely premature with- or without PDA ligation. A Norwegian national cohort study.**
Merete S. Engeseth (Bergen, Norway), Silje Maeland, Hege Clemm, Maria Vollsæter, Mette Engan, Thomas Halvorsen, Ola Røksund

7.2C Session 506 14:45 - 16:45

Poster discussion: Clinical determinants of asthma and biomarkers

Disease(s) : Airway diseases Respiratory infections Respiratory infections

Method(s) : Public health Endoscopy and interventional pulmonology Epidemiology Physiology General respiratory patient care Cell and molecular biology

Chairs : Fabiano Di Marco (Trezzano Sul Naviglio (MI), Italy), Chair to be confirmed

- PA5029 Late onset asthma: A distinct phenotype**
Anastasia Papaporfyrion (Mandra, Greece), Georgios Hillas, Andriana Papaioannou, Konstantinos Kostikas, Elissavet Konstantelou, Eleni Tseliou, Nikolaos Koulouris, Spyridon Papiris, Petros Bakakos, Stelios Loukides
-
- PA5030 Clustering of adherence variability metrics and clinical outcomes in asthma**
Jacqueline Huvanandana (Sydney (NSW), Australia), Helen Reddel, Chinh Nguyen, Juliet Foster, Urs Frey, Cindy Thamrin
-
- PA5031 New-onset asthma in adults; does the trigger predict outcome?**
Hanneke Coumou (Amsterdam, Netherlands), Guus Westerhof, Selma De Nijs, Marijke Amelink, Elisabeth Bel
-
- PA5032 Treatment of multimorbid asthma patients in structured care. Results from the Disease Management Program (DMP) Bronchial Asthma in the North Rhine region in Germany.**
Arne Weber (Köln, Germany), Sabine Groos, Jens Kretschmann, Christine Macare, Bernd Hagen
-
- PA5033 Sputum eosinophils vary by time of day in severe asthma: Implications for management**
Gael Tavernier (Manchester (Greater Manchester), United Kingdom), Steve, J Fowler, Dave Allen, Angela Simpson, Hannah Durrington, Robert Niven
-
- PA5034 Analysis of wheezing in patients with partially controlled bronchial asthma during intrabronchial auscultation**
Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Sergei Glotov, Yuriy Petrov
-
- PA5035 The Value of Voluntary Cough Sounds for Diagnosis of Pulmonary Disease**
Richard Fletcher (Cambridge, United States of America), Christian Infante, Yogesh Thorat, Vandana Vincent, Sundeep Salvi
-
- PA5036 Healthcare resource utilisation (HRU) in the Asthma Salford Lung Study (SLS asthma)**
Dominy Browning (London, United Kingdom), Nawar Diar Bakerly, John P New, Norman Stein, Henrik Svendsater, David A Leather, James Lay-Flurrie, Joanne Fletcher
-
- PA5037 Serum Surfactant Protein D is decreased by oral steroids in asthma but not COPD**
Rose-Marie Mackay (Southampton (Hampshire), United Kingdom), Howard Clark, Laurie Lau, Anna James, Maciej Kupczyk, Sven-Erik Dahlén, Peter Howarth
-
- PA5038 Small airway dysfunction in asthma: a real life study**
Alvise Berti (Milan, Italy), Anita Licini, Carlo Lombardi, Marcello Cottini
-
- PA5039 Reduced lung function and exhaled lining fluid from small airways**
Jeong-Lim Kim (Gothenburg, Sweden), Emilia Viklund, Helen Friberg, Hatice Koca Akdeva, Anna-Carin Olin
-
- PA5040 Effects of physiological variation on parameter estimates in a dynamic model of FeNO**
Patrick Muchmore (Pasadena, United States of America), Sandrah Eckel, Edward Rappaport, Yue Zhang, Erika Garcia, Kiros Berhane, William Linn, Noa Molshatski, Rima Habre, Frank Gilliland
-
- PA5041 Effects of aerobic exercise on asthma control in eosinophilic asthma patients: a randomized controlled trial**
Annie-Claude Jalbert (Montreal, Canada), Kim Lavoie, Simon Bacon
-
- PA5042 Treatment decisions with an exhaled nitric oxide (eNO)-based algorithm vs a symptoms-based algorithm for asthma in pregnancy**
Vanessa E. Murphy (Callaghan, Australia), Heather Powell, Celeste Porsbjerg, Peter Gibson
-
- PA5043 Identification of treatable traits in a severe asthma registry: prevalence and exacerbation predictors**
Vanessa M. McDonald (Newcastle (NSW), Australia), Sarah A. Hiles, Krystelle Godbout, Erin S. Harvey, Guy B. Marks, Mark Hew, Matthew Peters, Philip Bardin, Paul N. Reynolds, John W. Upham, Melissa Baraket, Zaheerodin Bhikoo, Jeffrey Bowden, Ben Brockway, Li Ping Chung, Belinda Cochrane, Gloria Foxley, Jeffrey Garrett, Lata Jayaram, Christine Jenkins, Constance Katelaris, Gregory Katsoulotos, Mariko S. Koh, Vicky Kritikos, Marina Lambert, David Langton, Alexis Lara Rivero, Peter Middleton, Aldoph Nanguzgambo, Naghmeh Radhakrishna, Helen Reddel, Janet Rimmer, Anne Marie Southcott, Michael Sutherland, Francis Thien, Peter Wark, Ian A. Yang, Elaine Yap, Peter G. Gibson
-
- PA5044 Evaluation of inflammatory markers MMP-2 and TIMP-1 in Asthma**
Kirankumar Sivakoti (miryalguda, India), Chaya S.K., Jayaraj B.S, Lokesh K.S, Vivek Vardhan Veerapaneni, Subbarao Madhunapantula, Mahesh Pa
-
- PA5045 Small airway dysfunction in elderly patient with asthma: a real life study**
Alvise Berti (Milan, Italy), Anita Licini, Carlo Lombardi, Marcello Cottini
-
- PA5046 Asthma control and asthma severity in relation to sleep disturbances: Results of the LifeGene study**
Fredrik Sundbom (Uppsala, Sweden), Andrei Malinovschi, Eva Lindberg, Catarina Almqvist, Christer Janson

7.2D Session 507 14:45 - 16:45

Poster discussion: Biomarkers and lung function in airway disease

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Cell and molecular biology General respiratory patient care Physiology Imaging

Chairs : Arschang Valipour (Wien, Austria), Andre Nyberg (Umeå, Sweden)

- PA5047 Late Breaking Abstract - Influence of omalizumab therapy on airway remodelling assessed with high-resolution computed tomography (HRCT) in severe allergic asthma patients**
Marek Przybyyszowski (Kraków, Poland), Kinga Paciorek, Weronika Zastrzezynska, Agnieszka Gawlewicz-Mroczka, Anna Trojan-Krolikowska, Anna Orłowska, Jerzy Soja, Wiesław Pawlik, Krzysztof Śladek
-
- PA5048 The two sides' view of asthma-COPD overlap: a real life population approach.**
Núria Toledo Pons (Palma De Mallorca, Spain), Job F.M. Van Boven, Miguel Román-Rodríguez, José Luis Valera, Aina Millán Pons, Borja B. Cosío
-
- PA5049 Airways mucus pathogenesis in patients with non-cystic fibrosis bronchiectasis**
Kathryn Ramsey (Bern, Switzerland), Giorgia Radicioni, David Hill, Camille Ehre, Brian Button, Neil E Alexis, Michael Knowles, Scott Donaldson, Mehmet Kesimer, Michael Mcguckin, Richard Boucher
-
- PA5050 Associations between PCD-specific health-related quality of life (QOL-PCD) outcomes and clinical measures**
Helene Kobbarnagel (København Ø, Denmark), Frederik F. Buchvald, Laura Behan, Jane S. Lucas, Eric G. Haarman, Niels W. Rutjes, Anika Gross, Heimut Omran, Claire Hogg, Carmen Casaulta, Claudia E. Kuehni, Samuel A. Collins, Maria C. Philipsen, Alexandra L. Quittner, Kim G. Nielsen
-
- PA5051 Change of mucus rheology in patients with Cystic Fibrosis, COPD and Asthma**
Jeremy PATARIN (Saint Martin D'Herès, France), Etienne Ghiringhelli, Claire Cracowski, Boubou Camara, Sebastien Quétant, Cécile Bosc, Christophe Pison, Jean-Luc Cracowski
-
- PA5052 Prognostic value of FeNO-guided assessment to identify steroid-responsive respiratory symptoms**
Josh Brewin (Oxford, United Kingdom), Kay Wang, Jan Verbakel, Alex Fleming-Nouri, Jason Oke, Ian Pavord, Mike Thomas
-
- PA5053 Transforming growth factor-β1 and Matrix Metalloproteinase-9 as factors of airway remodeling among asthmatic patients**
Vladyslava Kmyta (Sumy, Ukraine), Liudmyla Prystupa
-
- PA5054 The Inhaler Proficiency Score: a useful and valid tool for the assessment of good inhaler technique**
Breda Cushen (Dublin 11, Ireland), Garrett Greene, Fiona Lannon, Seamus Cowman, Lisa Mellon, Richard W Costello, Elaine Mac Hale
-
- PA5055 Clinical relevance of small airways assessment by lung function tests in asthma**
Chloé Depoortère (Phalempin, France), Thierry Perez, Cécile Chenivresse, Stéphanie Fry
-
- PA5056 129Xenon-enhanced magnetic resonance imaging to understand particle exhalation from the human lung**
Olaf Holz (Hannover, Germany), Agilo Kern, Heike Biller, Anna-Carin Olin, Jens Vogel-Claussen, Jens M. Hohlfeld
-
- PA5057 Comparison between Impulse oscillometry and Resmon Pro and the use of inspiratory parameters**
Linnea Jarenbäck (Gantofta, Sweden), Leif Bjermer, Ellen Tufvesson
-
- PA5058 FEV1/FEV3 ratio as an alternative to fixed ratio of FEV1/FVC**
Adam Białas (Łódź, Poland), Kamil Kornicki, Maciej Ciebiada, Joanna Milkowska - Dymanowska, Wojciech Piotrowski, Adam Antczak, Pawel Gorski
-
- PA5059 Ordinal scales are not accurate to assess and measure respiratory rates in children**
Will Daw (Sheffield (South Yorkshire), United Kingdom), Ruth Kingshott, Heather Elphick
-
- PA5060 Serum levels of IL-5, IL-6 and IL-8 in moderate and severe asthma clusters**
Denitsa Dimitrova (Sofia, Bulgaria), Vania Youroukova, Tsvetelina Velikova, Kalina Tumangelova-Yuzeir
-
- PA5061 Biomarker-assisted characterisation of non-type 2 disease in young asthmatics**
Nikolaos Tsolakis (Uppsala, Sweden), Andrei Malinowski, Christer Janson, Kjell Alvin
-
- PA5062 Blood eosinophils and exacerbation rate in COPD patients over three years**
Robson Aparecido Prudente (Botucatu (SP), Brazil), Carolina Mesquita, Renata Ferrari, Estefânia Franco, Suzana Tanni
-
- PA5063 Ergoreflex and the method of assessing the functional status in patients with COPD**
Irina Ponomareva (Ryazan, Russian Federation), Alexey Kosyakov, Vladimir Abrosimov

- PA5064** **Prognostic factors in severe eosinophilic asthma**
Filipe Gonçalves Dos Santos Carvalho (, Spain), Clara Padró Casas, María Basagaña Torrento, Marisa Rivera Ortun, María Del Mar Martínez Colls, Carlos Pollan Guisasola, Alicia Francoso Vicente, Eva Martínez Cáceres, Aina Teniente, Albert Roger, Juan Ruiz Manzano, Carlos Martinez Rivera

7.3J **Session 508** **14:45 - 16:45**

Poster discussion: Occupational and environmental lung diseases: air quality and lung damage

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Respiratory intensive care Cell and molecular biology General respiratory patient care Public health Epidemiology

Chairs : Isabella Annesi Maesano (Paris, France), Rafael E. de la Hoz (New York, United States of America)

- PA5065** **Doctor diagnosed asthma and wheeze among Chinese pre-school children in relation to indoor and outdoor air pollution and urbanization**
Dan Norback (Uppsala, Sweden), Chan Lu, Juan Wang, Yinping Zhang, Baizhan Li, Zhuohui Zhao, Chen Huang, Xin Zhang, Hua Qian, Yuexia Sun, Jan Sundell, Qihong Deng

- PA5067** **Relationships between nitrogen dioxide exposure, post-bronchodilator airflow obstruction and gas transfer in middle-age**
Jennifer Perret (Melbourne (VIC), Australia), Gayan Bowatte, Luke Knibbs, David Johns, Caroline Lodge, Adrian Lowe, Dinh Bui, Melanie Matheson, Bruce Thompson, Stephen Morrison, Graham Giles, E Haydn Walters, Michael Abramson, Shyamali Dharmage

- PA5068** **Occupational and environmental risk factors for Idiopathic Pulmonary Fibrosis in Australia**
Michael J. Abramson (Melbourne (VIC), Australia), Tsitsi Murambadoro, Sheik M. Alif, Geza Benke, Shyamali Dharmage, Ian Glaspole, Peter Hopkins, Ryan Hoy, Sonja Klebe, Yuben Moodley, Shuli Rawson, Paul Reynolds, Rory Wolfe, E. Haydn Walters, Tamera J. Corte, F O R The Australian I.P.F. Registry

- PA5069** **Diastolic blood pressure effect of traffic-related air pollution: a trial of vehicle filtration**
Joel Kaufman (Seattle, United States of America), Michael Young, Karen Jansen, Tim Gould, Coralynn Sack, Laura Hooper, Jim Stewart, Tim Larson, Sverre Vedal

- PA5070** **Controlled human exposure study of diesel exhaust on older volunteers with and without COPD**
Min Hyung Ryu (Vancouver (BC), Canada), Denise Wooding, Nafeez Syed, Jordan Guenette, Christopher Carlsten

- PA5071** **Atmospheric simulation chamber: a versatile tool to get a comprehensive understanding of Air Quality impacts on health in preclinical models**
Maeva Zysman (Montreuil, France), Marie-Laure Franco-Montoya, Audrey Der Vartanian, Mathieu Cazenau, Maria Pini, Jean-Francois Doussin, Audrey Ridoux, Sophie Hue, Frederic Relaix, Genevieve Derumeaux, Jorge Boczkowski, Sophie Lanone

- PA5072** **Airborne pollen concentrations and daily respiratory disease mortality**
Jouni J.K. Jaakkola (Oulu, Finland), Simo-Pekka Kiihamäki, Simo Näyhä, Niilo R.I. Rytö, Maritta S. Jaakkola

- PA5073** **Benefits of improved air quality on the aging lungs**
Tamara Schikowski (Dusseldorf, Germany), Anke Hüls, Dorothee Sugiri, Michael J. Abramson, Barbara Hoffmann, Ursula Krämer

- PA5074** **Influence of air pollution residues on the respiratory health of urban public transport drivers in a city of São Paulo State - Brazil**
Renata C Rossi (Presidente Prudente (SP), Brazil), Danillo Nascimento Vicente, Camila Sousa Vilela, Isabela Santos Souza, Nathalye Fernanda Pedroso Dirksen, Marcus Vinicius Pimenta Rodrigues

- PA5075** **Asthma and selective migration away from farming environments in a three-generation cohort study**
Signe Timm (Århus C, Denmark), Morten Frydenberg, Michael Abrahamson, Randi Bertelsen, Lennart Bråbäck, Bryndis Benediktsdottir, Shyamali Dharmage, Bertil Forsberg, Thorarinn Gislason, Mathias Holm, Christer Janson, Rain Jogi, Andrei Malinovski, José Ramos, Torben Sigsgaard, Cecilie Svanes, Vivi Schlünssen

- PA5076** **Influence of air pollution on the number of hospital admissions in a Pneumology service**
Ana Cerezo Hernández (Valladolid, Spain), Tomás Ruiz Albi, Andrea Crespo Sedano, Daniel Álvarez González, Raúl López Izquierdo, Ana Gómez García, Noanca Alonso Fernández, Carmen López Represa, Félix Del Campo Matías

- PA5077** **Epidemiology of silicosis reported to the SWORD scheme in the UK.**
Christopher Barber (Sheffield (South Yorkshire), United Kingdom), David Fishwick, Martin Seed, Melanie Carder, Martie Van Tongeren

- PA5078** **Indoor airborne microbiota composition associated with asthma and atopy in rural children**
Alejandro Dorado Garcia (Utrecht, Netherlands), Lidwien A.M. Smit, Alex Bossers, Inge M. Wouters, Heike Schmitt, Markus J. Ege, Martin Depner, Susanne Müller-Rompa, Elisabeth Schmaußer-Hechfellner, Michael J. Cox, William Cookson, Miriam Moffatt, Erika Von Mutius, Dick J. Heederik
-
- PA5079** **Active smoking and a past myocardial infarction status induce more vulnerability to urban heat stress in COPD**
Christian Witt (Berlin, Germany), Christina Hoffmann, Marc Hanisch, Jana B. Heinsohn, Vanessa Dostal, Melissa Jehn, Uta Liebers, Wulf Pankow, Gavin C. Donaldson
-
- PA5080** **Work-related effects on lung function, small airways and inflammation in hairdressers with airway symptoms – a pilot study**
Mona Lärstad (Göteborg, Sweden), Anna-Carin Olin
-
- PA5081** **Parental concern about indoor air quality and symptom reporting in primary schools**
Jussi Lampi (Kuopio, Finland), Juho-Jooel Nissilä, Sari Ung-Lanki, Kateryna Savelieva, Juha Pekkanen
-
- PA5082** **Lung functional failures of aircraft crew members after “fume event”: diagnostics and biomonitoring**
Astrid Heutelbeck (göttingen, Germany), Xaver Baur, Thomas Goen, Naomi Mohr, Frank Powitz, Lygia Therese Budnik

17:15-19:15

INDUSTRY EVENING SYMPOSIUM

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17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM

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INDUSTRY EVENING EXPERT FORUM

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7.3N Session 521 **08:30 - 10:30****Symposium: State of the art session: Paediatric respiratory diseases**

Aims : This session will provide clinicians with practical take-home messages regarding the key management and health policy issues that relate to the respiratory health of children and young people.

Disease(s) : Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee

Chairs : Bülent Taner Karadag (Istanbul, Turkey), Ricardo Miguel Ribeiro Marques Cunha Fernandes (Lisboa, Portugal)

08:30	Bacterial pneumonia in children: a global perspective Rebecca Nantanda (Kampala, Uganda)	5132
09:00	E cigarettes and children: should we be concerned? Alexander Larcombe (Perth (WA), Australia)	5133
09:30	Primary ciliary dyskinesia Jane Lucas (Southampton (Hampshire), United Kingdom)	5134
10:00	Systemic diseases and the lungs of children Sharon Dell (Toronto (ON), Canada)	5135

7.1A Session 522 **08:30 - 10:30****Hot topics: New trends in the management of pulmonary hypertension**

Aims : To update attendees on major advances in the management of patients with pulmonary hypertension

Disease(s) : Pulmonary vascular diseases

Method(s) : General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, Radiologist, Adult pulmonologist/Clinician

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Luke Howard (London, United Kingdom)

08:30	Risk stratification in pulmonary arterial hypertension (PAH) Olivier Sitbon (Le Kremlin-Bicêtre, France)	5136
09:00	New therapeutic targets in pulmonary arterial hypertension (PAH): moving from preclinical data to phase 2 studies Martin Wilkins (London, United Kingdom)	5137
09:30	Balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension (CTEPH): does it perform as well as we hoped? Xavier Jais (Le Kremlin-Bicêtre, France)	5138
10:00	Rehabilitation: presentation of the ERS task force paper Ekkehard Grünig (Heidelberg, Germany)	5139

7.1B Session 523 **08:30 - 10:30****Symposium: Respiratory medicine meets rheumatology**

Aims : To explore the pathophysiology, symptoms, diagnosis and treatment of interstitial lung diseases that associate with connective tissue diseases (CTDs) and interstitial pneumonia with autoimmune features (IPAF). This session is endorsed by the European League Against Rheumatism (EULAR).

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging Pulmonary function testing Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Michael Tamm (Basel, Switzerland), Clive Kelly (Gateshead, United Kingdom)

08:30	Is it a connective tissue disease? Antibody patterns that the pulmonologist should be aware of Diego Kyburz (Basel, Switzerland)	5140
09:00	Undifferentiated systemic rheumatic diseases and overlap syndromes: when can we diagnose interstitial pneumonia with autoimmune features (IPAF)? Katerina Antoniou (Heraklion, Greece)	5141
09:30	The chicken or the egg: drug-induced pulmonary disease in rheumatology Clive Kelly (Gateshead, United Kingdom)	5142
10:00	Treating systemic sclerosis with lung involvement: from observation to stem cell transplantation Alan Tyndall (Florence, Italy)	5143

7.3C Session 524 08:30 - 10:30

Hot topics: New drugs, strategies and research designs for advanced non-small cell lung cancer

Aims : This joint hot topic session with the EORTC offers a comprehensive overview of the latest developments in the treatment of advanced lung cancer. Current treatment strategies will be described. This will help attendees to integrate the newest clinical trial knowledge into routine lung cancer care. A perspective on new lung cancer study designs will also be provided.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Otto Chris Burghuber (Vienna, Austria), Georgia Hardavella (London, United Kingdom)

08:30	Modern profiling of advanced lung cancer at the primary diagnosis and during therapy Susann Stephan-Falkenau (Berlin, Germany)	5144
09:00	Immunotherapy: when, who and which drug? Jacques Cadranel (Paris Cedex 20, France)	5145
09:30	Targeting targeted therapies: more choices and the best sequences Jair Bar (Tel-Aviv, Israel)	5146
10:00	The future of translational lung cancer research: from classical randomised controlled trials to innovative platform trials Jessica Menis (Padova, Italy)	5147

7.3Z1 Session 525 08:30 - 10:30

Hot topics: The complexities of managing mild asthma

Aims : (i) To learn about the prevalence and risks of mild asthma; (ii) to understand the attitudes of asthma patients to asthma medications; (iii) to learn from other disciplines about how to communicate effectively with patients about health risks; and (iv) to explore new evidence regarding novel treatment options for mild asthma and potential future directions.

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Patient, Policy maker, Trainee, Adult pulmonologist/Clinician

Chairs : Eric D. Bateman (Cape Town, South Africa), Antoine Magnan (Nantes, France)

08:30	What is 'mild asthma', and how common is it? Mark Fitzgerald (Vancouver (BC), Canada)	5148
09:00	"My reliever helps me control my asthma": patient attitudes to asthma inhalers Helen Reddel (Sydney (NSW), Australia)	5149
09:30	Risk communication in mild asthma: learning from other disciplines Michelle N Eakin (Baltimore, United States of America)	5150
10:00	Filling the gaps: future treatment options for mild asthma Paul O'Byrne (Hamilton (ON), Canada)	5151

7.3B Session 526 08:30 - 10:30

Oral presentation: Does asthma phenotyping improve treatment?

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology Public health General respiratory patient care Epidemiology

Chairs : Stephen James Fowler (Preston (Lancashire), United Kingdom), Chair to be confirmed

OA5152 **Late Breaking Abstract - Oral corticosteroids exposure in a Swedish nationwide asthma population during 2006-2016**
Bright Nwaru (Edinburgh (Edinburgh), United Kingdom), Magnus Ekström, Fredrik Wiklund, Gunilla Telg, Helene Nordahl, Christer Janson

OA5153 **Discriminating phenotypes of severe eosinophilic asthma using gene profiling in sputum**
Laurits Frøssing (Copenhagen V, Denmark), Anna Von Bülow, Marcus Ross Christensen, Vibeke Backer, Peter Gibson, Katherine Baines, Celeste Porsbjerg

OA5154 **Pulmonary function and levels of serum leptin and interleukin-6 in women with bronchial asthma**
Evgeniia Makarova (Chelyabinsk, Russian Federation), Galina Ignatova

OA5155 **Effects of a standardized Emergency Department asthma care pathway on health services utilization**
Chanel Kwok (Kingston (ON), Canada), Katherine Lajkosz, Carole Madeley, Mona Jabbour, Teresa To, M. Diane Lougheed

OA5156 **Sex differences in difficult asthma; findings in the WATCH cohort**
Anna Freeman (Southampton, United Kingdom), Heena M Mistry, Adnan Azim, Matt A E Harvey, Judit Varkonyi-Sepp, Clair Barber, Hans Michael Haitchi, Colin Newell, Tom M Wilkinson, Ramesh J Kurukulaaratchy

OA5157 **Phenotypic characteristics of asthmatic patients with small airways obstruction**
Amani Ben Mansour (Tunis, Tunisia), Salsabil Daboussi, Samira Mhamdi, Zied Moetemri, Chiraz Aichaouia, Islam Mejri, Mohsen Khadraoui, Rzeig Cheikh

OA5158 **Influence of natural lung surfactant inhalations on clinical symptoms and pulmonary function parameters in patients with bronchial asthma**
Oleg Rosenberg (St. Petersburg, Russian Federation), Konstantin Shapovalov, Sergey Lukyanov, Olga Stepanova, Elena Akulova, Aleksandra Kochneva, Andrey Seiliev, Aleksey Shulga, Lidiya Loshakova, Vladimir Volchkov, Olga Lovacheva

7.3Z2 Session 527 08:30 - 10:30

Oral presentation: New determinants of cardiovascular morbidity in COPD

Disease(s) : **Airway diseases**

Method(s) : Physiology General respiratory patient care Epidemiology Public health Imaging

Chairs : Frits M.E. Franssen (Horn, Netherlands), Chair to be confirmed

OA5159 **Late Breaking Abstract - Right heart structural changes, exercise capacity and stress induced right ventricle dysfunction in non- severe COPD patients without pulmonary hypertension at rest.**
Radostina Cherneva (Sofia, Bulgaria), Zheina Cherneva, Dinko Valev, Rosen Petkov, Dimitar Kostadinov

OA5160 **Comorbidities in chronic obstructive pulmonary disease: a nation-wide twin study**
Howraman Meteran (København, Denmark), Simon Francis Thomsen, Martin R Miller, Torben Sigsgaard, Vibeke Backer

OA5161 **Association between centrilobular emphysema and coronary artery calcification: mediation analysis in the SPIROMICS cohort**
Surya Bhatt (Birmingham, United States of America), Hrudaya Nath, Young-Il Kim, Rekha Ramachandran, Jubal Watts, Nina Terry, Sushil Sonavane, Swati Deshmane, Prescott Woodruff, Elizabeth Oelsner, Sandeep Bodduluri, Meilan Han, Wassim Labaki, James Wells, Fernando Martinez, Graham Barr, Mark Dransfield

OA5162 **In people at high risk of cardiovascular disease, co-existing COPD is not independently associated with macrovascular or microvascular disease**
Sachelle V. Ruickbie (London, United Kingdom), D R Burrage, M P K Bajaj, C A Spilling, J W Dodd, A Prasad, T R Barrick, P W Jones, E H Baker

OA5163 **Influence of body mass on predicted values of static hyperinflation in COPD**
Peter Alter (Marburg, Germany), Klaus F Rabe, Holger Schulz, Claus F Vogelmeier, Rudolf A Jörres

OA5164 **Association between ICS therapy for COPD and diabetes onset and progression**
Jaco Voorham (Lisboa, Portugal), Nicolas Roche, Jeffrey Stephens, Hye Yun Park, Robert Fogel, Andreas Clemens, Guy Brusselle, David Price

OA5165 **Low FFMI according to ESPEN cut-offs is a strong independent predictor of mortality in patients with COPD**
Irena Sarc (Ljubljana, Slovenia), Tatjana Kosten, Tomaz Hafner, Barbara Zupanc, Kristina Ziherl

Score for the identification of osteoporosis in smokers (SIOS): its development using clinical, radiological and biochemical information

OA5166

Pilar Rivera Ortega (Barcelona, Spain), Jessica González Gutiérrez, Patricia Restituto Aranguibel, Nerea Varo Cenarruzabeitia, Maria Inmaculada Colina Lorda, Maria De Los Desamparados Calleja Canelas, Maria Macarena Rodriguez Fraile, Gorka Bastarrika Alemán, Ana Belén Alcaide Ocaña, Arantza Campo Ezquibela, Javier Zulueta Francés, Juan Pablo Torres Tajés

7.3K Session 528 08:30 - 10:30**Symposium: Antimicrobial host defence and innate immunity in the lung**

Aims : to present the latest developments in the research on innate immunity and antimicrobial peptides, which are crucial players in the host defence against respiratory infections and chronic inflammatory lung diseases. Antimicrobial peptides are increasingly referred to as host defence peptides because they have direct antimicrobial activity, can modulate immune responses and function in wound repair. These peptides have been implicated in a variety of lung diseases, including asthma, chronic obstructive pulmonary disease (COPD) and cystic fibrosis.

Disease(s) : Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology**Tag(s) :** Translational**Target audience :** Clinical researcher, Pathologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician**Chairs :** Graham H. Bothamley (London, United Kingdom), Neeloffer Mookherjee (Winnipeg (MB), Canada)

08:30	Cationic host defence peptides as a novel treatment for respiratory viral infections Donald J. Davidson (Edinburgh (Edinburgh), United Kingdom)	5167
09:00	Dysregulation of the expression and activity of antimicrobial peptides in COPD and cystic fibrosis Gimano Amatngalim (Utrecht, Netherlands)	5168
09:30	Antimicrobial peptides, vitamin D and tuberculosis Rubhana Raqib (Dhaka, Bangladesh)	5169
10:00	Role of interleukin-22 in the respiratory host defence against infections Mustapha Si-Tahar (Tours, France)	5170

7.3Q Session 529 08:30 - 10:30**Oral presentation: Novel and established imaging studies and findings****Disease(s) :** Thoracic oncology Airway diseases Respiratory critical care Sleep and breathing disorders Respiratory infections Respiratory infections**Method(s) :** Endoscopy and interventional pulmonology Respiratory intensive care Physiology General respiratory patient care Imaging Epidemiology Public health**Chairs :** David Laszlo Tarnoki (Budapest, Hungary), Reinhard Kubale (Pirmasens, Germany)

OA5171	Late Breaking Abstract - Use of AI in accurate diagnosis of TB using Medical Imaging: a promising result from UAE Bassam Mahboub (Dubai, United Arab Emirates), Hassan Hm Shurie, Fuduma Yalaxow Addow, Eltage Ibrahim Ibrahim, Mohamed Al Redha Al Redha, Mahmood Hachim, Rifat Hamoudi, Anjum Ahmed Ahmed
OA5172	Comparison of abilities of virtual bronchoscopic navigation (VBN) software products to reproduce peripheral branches in diagnosing peripheral lung lesions Atsushi Kitamura (Tokyo, Japan), Kohei Okafuji, Ryosuke Imai, Hiroaki Kanemura, Kenji Ishii, Ryosuke Tsugitomi, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
OA5173	A novel imaging technique for bronchopulmonary dysplasia: functional respiratory imaging. Kristien Vanhaverbeke (Wilrijk, Belgium), Monique Slaats, Mohammed Al-Nejar, Niek Everaars, Annelies Van Eyck, Benedicte De Winter, Kim Van Hoorenbeeck, Jozef De Dooy, Ludo Mahieu, Jan De Backer, Wim Vos, Benjamin Mignot, Maarten Lanclus, Antonius Mulder, Stijn Verhulst
OA5175	Menstrual cycle-associated PFT changes correlate with QCT of the lung Jessica C. Sieren (Iowa City, United States of America), Junfeng Guo, Archana Laroia, Eric A. Hoffman
OA5176	Bronchial and nonbronchial systemic artery embolization: Experience with 836 patients Gamal Rabie Agmy (Assiut, Egypt), Yaser Gad, Sherif Mohamed, Hisham Imam, Moustafa Elshakawy
OA5177	Comparison of inhaled 19F C3F8 and hyperpolarized 129Xe lung ventilation MRI Adam Maunder (Sheffield (South Yorkshire), United Kingdom), Paul J.C. Hughes, Graham Norquay, Fraser Robb, Madhwesha Rao, Jim Wild

- OA5178** **A comparison of paraseptal to centrilobular emphysema using computed and micro-computed tomography**
Naoya Tanabe (Kyoto, Japan), Dragoş Vasilescu, Cameron Hague, Miranda Kirby, Harvey Coxson, Stijn Verleden, Bart Vanaudenaerde, James Hogg

7.3M **Session 530** **08:30 - 10:30**

Oral presentation: Effect of environmental exposure on lung function outcomes

Disease(s) : Airway diseases

Method(s) : Epidemiology Physiology Public health

Chairs : Torben Sigsgaard (Århus, Denmark), Isabella Annesi Maesano (Paris, France)

Late Breaking Abstract - Accelerated lung function decline in former and light smokers: NHLBI Pooled Cohorts Study

- OA5179** Elizabeth Oelsner (New York, United States of America), Pallavi Balte, Surya Bhatt, Patricia Cassano, David Couper, Aaron Folsom, David Jacobs, Ravi Kalhan, Amanda Matthew, Richard Kronmal, Laura Loehr, Stephanie London, Anne Newman, George O'Connor, Joseph Schwartz, Lewis Smith, Wendy White, Sachin Yende

- OA5180** **Poor prognosis in young and middle-aged adults with airflow limitation according to lower limit of normal but not fixed ratio: a population-based prospective cohort study**
Yunus Çolak (Herlev, Denmark), Shoaib Afzal, Børge G. Nordestgaard, Jørgen Vestbo, Peter Lange

Body mass index trajectories during adult life and lung function decline

- OA5181** Gabriela P. Peralta (Barcelona, Spain), Elaine Fuertes, Anne-Elie Carsin, Nicole Probst-Hensch, Alessandro Marcon, Dennis Nowak, André F.S. Amaral, Ane Johannessen, Christer Janson, Shyamali Dharmage, Thorarinn Gíslason, Vanessa Garcia-Larsen, Michael J Abramson, Torben Sigsgaard, Josep M Antó, Joost Weyler, Roberto Bono, Mathias Holm, Peter Burney, Joachim Heinrich, Bertil Forsberg, Chantal Raheison-Semjen, Valérie Siroux, Bénédicte Leynaert, Simone Accordini, Jesus Martinez-Moratalla, José-Luis Sánchez-Ramos, Deborah L. Jarvis, Judith Garcia-Aymerich

Long-term air pollution exposure is associated with sick leave 20 years later

- OA5182** Ane Johannessen (Bergen, Norway), Ingrid Nordeide Kuiper, Simone Accordini, Randi Jacobsen Bertelsen, Bertil Forsberg, Thorarinn Gíslason, Joachim Heinrich, Mathias Holm, Rain Jögi, Jorunn Kirkeleit, Andrei Malinovski, Alessandro Marcon, Iana Markevych, Anna Oudin, Vivi Schlünssen, Torben Sigsgaard, Cecilie Svanes, Kjell Torén, Christer Janson

Oral microbiome and lung health

- OA5183** Øistein Svanes (Kleppestø, Norway), Ane Johannessen, Shymal Peddada, Francisco Gomez Real, Cecilie Svanes, Randi J. Bertelsen

Early life exposome and lung function in children from the HELIX cohort

- OA5184** Valerie Siroux (La Tronche, France), Lydiane Agier, Xavier Basagaña, Jose Urquiza, Jordi Sunyer, Maribel Casas, Oliver Robinson, Berit Granum, Bente Oftedal, Cathrine Thomsen, Montserrat De Castro, Mark Nieuwenhuijsen, John Wright, Rosemary Mceachan, Philippa Bird, Noortje Uphoff, Regina Grazuleviciene, Sandra Andrusaityte, Inga Petraviciene, Theano Roumeliotaki, Vasiliki Leventakou, Leda Chatzi, Martine Vrijheid, Rémy Slama

Lung health in adulthood after childhood exposure to air pollution and greenness

- OA5185** Ingrid Nordeide Kuiper (Bergen, Norway), Cecilie Svanes, Michael J. Abramson, Bryndis Benediktsdottir, Randi J. Bertelsen, Martine Dennekamp, Bertil Forsberg, Thorarinn Gíslason, Thomas Halvorsen, Joachim Heinrich, Mathias Holm, Christer Janson, Rain Jögi, Andrei Malinovski, Alessandro Marcon, Iana Markevych, Jesús M. Moratalla, Anna Oudin, John L. Pearce, Vivi Schlünssen, Antonio P. Vega, Ane Johannessen

Chronic exposure to black carbon particles and traffic-related particulate matter (PM) specifically from traffic are associated with reduced lung-function in a general population

- OA5186** Anna-Carin Olin (Göteborg, Sweden), Hanne Krage Carlsen, Fredrik Nyberg, David Segersson

7.30 **Session 531** **08:30 - 10:30**

Oral presentation: Physiotherapy care for patients with acute and chronic respiratory conditions

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Surgery General respiratory patient care

Chairs : Chris Burtin (Diepenbeek, Belgium), Deniz Inal-Ince (Ankara, Turkey)

- OA5187** **Impact of frailty during hospitalized exacerbations of COPD on 90-day readmissions - preliminary data.**
Christian Osadnik (Melbourne, Australia), Alethea Kavanagh, Martin Macdonald, Anne Tran, Philip Bardin, Terrence Haines

- OA5188** **Home-based rehabilitation in inoperable lung cancer: a randomised controlled trial**
Lara Edbrooke (Melbourne (VIC), Australia), Sanchia Aranda, Catherine Granger, Christine Mc Donald, Mei Krishnasamy, Linda Mileshkin, Ross Clark, Ian Gordon, Louis Irving, Linda Denehy

- OA5189** **Physical activity level during the first three days after lung cancer surgery improves with physiotherapy: a randomized controlled trial**
Marcus Jonsson (Degerfors, Sweden), Anita Hurtig-Wennlof, Anders Ahlsson, Marten Vidlund, Yang Cao, Elisabeth Westerdahl
- OA5190** **Physical activity telecoaching during pulmonary rehabilitation in patients with COPD: do we reach the intended candidates?**
Matthias Loeckx (Leuven, Belgium), Fernanda Machado Rodrigues, Heleen Demeyer, Thomas Reijnders, Andreas Von Leupoldt, Wim Janssens, Thierry Troosters
- OA5191** **Mechanical comparison of 6 oscillatory positive expiratory pressure devices.**
William Poncin (Brussels, Belgium), Giuseppe Liistro, Grégory Reychler
- OA5192** **The effects of inspiratory muscle training on exercise capacity, dyspnea and lung functions in lung transplantation candidates**
Seda Saka (Istanbul, Turkey), Esra Pehlivan, Fatma Mutluay, Arif Balcı, Lutfiye Kılıç, Esra Yazar
- OA5193** **Moderate-to-high intensity inspiratory muscle training improves the effects of combined training on exercise capacity in patients after coronary artery bypass graft surgery: a randomized clinical trial**
Isabella Albuquerque (Santa Maria (RS), Brazil), Tamires Dos Santos, Sérgio Pereira, Luiz OsóRio Portela, Dannuey Cardoso, Pedro Dal Lago, Naiara Guarda, Rafael Moresco, Marisa Pereira

7.3P Session 532 08:30 - 10:30

Oral presentation: Latest advances in pulmonary rehabilitation assessment and content

Disease(s) : **Airway diseases** **Respiratory infections** **Respiratory infections**

Method(s) : General respiratory patient care

Chairs : William Man (Harefield, United Kingdom), Ioannis Vogiatzis (Newcastle upon tyne (Tyne and Wear), United Kingdom)

- OA5194** **Late Breaking Abstract - A cluster-randomized trial of a nurse-led advance care planning session in patients with COPD and their loved ones**
Carmen Houben (Horn, Netherlands), Carmen Houben (Horn, Netherlands), Martijn Spruit, Hans Luyten, Herman-Jan Pennings, Vivian Van Den Boogaart, Jacques Creemers, Geertjan Wesseling, Emiel Wouters, Daisy Janssen
- OA5195** **Randomised controlled trial of pulmonary rehabilitation including cognitive behavioural therapy for breathlessness.**
Marie Williams (Adelaide (SA), Australia), Catherine Paquet, Paul Cafarella, Peter Frith
- OA5196** **High flow nasal cannula improves exercise capacity in COPD patients: crossover trial**
María Florencia Castellano Barneche (Buenos Aires, Argentina), Silvina Dell'Era, Nicolás Roux, Elena Gimeno Santos, Sergio Terrasa, Ilona Bykhovsky, Guadalupe Gracia, María Carolina Balestrieri, Alejandro Midley
- OA5197** **Change in V_O2peak in response to aerobic training in patients with COPD: A meta-analysis.**
Tom Ward (Market Harborough (Leicestershire), United Kingdom), Tom Ward (North Shields (Tyne and Wear), United Kingdom), Amy Jones, Ruth Trethewey, Pip Divall, Sally Singh, Tom Dolmage, Martin Lindley, Michael Steiner, Rachael Evans
- OA5198** **Comparison of exercise training responses in COPD patients with and without Alpha-1 antitrypsin deficiency**
Inga Jarosch (Schönau am Königssee, Germany), Wolfgang Hitzl, Andreas Rembert Koczulla, Marion Wencker, Tobias Welte, Rainer Gloeckl, Sabina Janciauskiene, Klaus Kenn
- OA5199** **Minimal clinically important difference in 30 second sit-to-stand test after pulmonary rehabilitation in patients with COPD**
Ernesto Crisafulli (Modena (MO), Italy), Andrea Zanini, Michele D'Andria, Cristina Gregorini, Francesca Cherubino, Elisabetta Zampogna, Andrea Azzola, Antonio Spanevello, Alfredo Chetta
- OA5200** **Responsiveness of a short stair climb power test to pulmonary rehabilitation in COPD**
Sarah Jones (Berkshire, United Kingdom), Matthew Maddocks, Claire Nolan, Suhani Patel, Ruth Barker, Samantha Kon, Nicholas Hopkinson, William Man
- OA5201** **Variability in access and referral to pulmonary rehabilitation in European bronchiectasis patients enrolled in the EMBARC registry**
Paul Walker (Wirral (Merseyside), United Kingdom), B Herrero, A Spinou, K Dimakou, F Blasi, F Ringshausen, A De Soyza, M Vendrell, P C Goeminne, W Boersma, C Haworth, M Murris, A T Hill, M R Loebinger, R Menendez, A Torres, T Welte, R Wilson, J S Elborn, S Aliberti, J D Chalmers, E Polverino

7.3L Session 533 08:30 - 10:30

Poster discussion: Sarcoidosis: from basic research to patient outcomes

Disease(s) : Thoracic oncology Respiratory infections Interstitial lung diseases Airway diseases Respiratory infections

Method(s) : Public health Surgery Endoscopy and interventional pulmonology Cell and molecular biology General respiratory patient care Imaging Epidemiology

Chairs : Paolo Spagnolo (Padova (PD), Italy), Jan C. Grutters (Nieuwegein, Netherlands)

- PA5202** **Microbiological study of mediastinal lymph node biopsy from patients with sarcoidosis and lung cancer**
Saher Burhan Shaker (Rødovre, Denmark), Amal Durakovic, Kurt Fuursted, Klaus Richter Larsen, Matiullah Naqibullah
-
- PA5203** **ETS-1 mRNA and its association with T-BET and Th1 cytokine expression in active pulmonary sarcoidosis.**
Puja Sohal (New Delhi (Delhi), India), Hina Aggarwal, Karan Madan, Vijay Hadda, Kalpana Luthra, Anant Mohan, Dipendra Kumar Mitra, Randeep Guleria
-
- PA5204** **Flow cytometric analysis of lymphocyte profiles in mediastinal lymph nodes**
ken akao (Toyoake, Japan), Takuya Okamura, Tomoyuki Minezawa, Kumiko Yamatsuta, Yasuhiro Goto, Sumito Isogai, Masashi Kondo, Kazuyoshi Imaizumi
-
- PA5205** **Mononuclear phagocytes in lungs, lymph nodes and blood of sarcoidosis patients**
Rico Lepzien (Stockholm, Sweden), Gregory Rankin, Jamshid Pourazar, Ala Muala, Anders Eklund, Johan Grunewald, Anders Blomberg, Anna Smed Sørensen
-
- PA5206** **Placebo-controlled randomised trial of dexamethasone for quality of life in pulmonary sarcoidosis**
Roeland Vis (Utrecht, Netherlands), E.M.W. Van De Garde, I.H.E. Korenromp, J.C. Grutters
-
- PA5207** **Combination of endoscopic techniques - number of lymph nodes stations biopsies and application of cell blocks in the sarcoidosis diagnosis.**
Łukasz Kasper (Kraków, Poland), Anna Andrychiewicz, Marta Kasper, Romana Tomaszewska, Jerzy Soja, Krzysztof Stadek
-
- PA5208** **The pulmonary microbiome in sarcoidosis is similar to other parenchymal lung diseases**
Andre Becker (Homburg, Germany), Giovanna Vella, Christian Herr, Andreas Keller, Cedric Laczny, Christoph Beisswenger, Robert Bals
-
- PA5209** **Advanced pulmonary sarcoidosis: long-term follow-up of 10 years or more.**
Olga P. Baranova (St. Petersburg, Russian Federation), Mikhail Ilkovich, Alexandra Speranskaya, Vitalii Perlei
-
- PA5210** **Mixed ventilatory defects in pulmonary sarcoidosis: prevalence and prognosis**
Vasileios Kouranos (London, United Kingdom), Simon Ward, Maria Kokosi, Suzie Thomas, Diego Castillo, Eoin Judge, Frans Van Tonder, Arnand Devaraj, Toby Maher, Elisabetta Renzoni, Athol Wells
-
- PA5211** **Role of Impulse oscillometry (IOS) in diagnosing small airway dysfunction in patients with ILD- A prospective observational study**
Rahul K. Sharma (New Delhi (Delhi), India), Sujata Natarajan, Deepak Prajapat, Deepak Talwar
-
- PA5212** **Autoreactivity in patients with respiratory sarcoidosis.**
Ul'ia Zinchenko (St Petersburg, Russian Federation), Anna Starshinova, Nina Denisova, Sergey Lapin, Alexandra Mazing, Elena Surkova, Piotr Yablonskii
-
- PA5213** **Optical coherence tomography in the diagnosis of sarcoidosis of lung and other organs**
Elena Sabadash (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Sergey Skornyakov, Igor Medvinskiy, Evgeniy Egorov, Elena Filatova, Maria Peretrakhina, Maria Chernenko, Elena Ivanchikova, Ilia Diachkov
-
- PA5214** **The clinical value of vascular endothelial growth factor (VEGF) in the development of lung sarcoidosis.**
Liubov Ponomareva (Moscow, Russian Federation), Elena Popova, Andrey Ponomarev
-
- PA5215** **Differential Expression of Plasma Metabolites in Patients with Pulmonary Sarcoidosis is Associated with Clinical Behavior**
Daniel Kass (Pittsburgh, United States of America), Stephen Strock, Mehdi Nouraie, Jared Chiarchiaro, Kristen Veraldi, Yingze Zhang, Kevin Gibson
-
- PA5216** **Cardiac sarcoidosis: worse pulmonary function due to left ventricular ejection fraction ? A case-control study.**
Magdalena Martusewicz-Boros (Warszawa, Poland), Piotr Boros, Elzbieta Wiatr, Jacek Zych, Anna Kempisty, Marek Kram, Dorota Piotrowska-Kownacka, Stefan Wesolowski, Robert Baughman, Kazimierz Roszkowski-Sliz
-
- PA5217** **Ultrasonographic evaluation of lung parenchyma in sarcoidosis**
Seda Beyhan Sagmen (Istanbul, Turkey), Coskun Dogan, Nesrin Kiral, Elif Torun Parmaksız, Banu Salepci, Ali Fidan, Benan Caglayan, Sevda Sener Comert
-
- PA5218** **Differential expression of ubiquitin and PU.1 in granulomatous lesions of tuberculosis and sarcoidosis**
JongWook Shin (Seoul, Republic of Korea), Byoung Whui Choi, In Won Park

- PA5219 Sarcoidosis treatment and outcomes: what is most important to patients?**
Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom), Robert P. Baughman, Dominique Valeyere, Ana Rosa Alvarez Rodríguez, Linda Charvoz, Hanns-Peter Faber, Chris Knoet, Filippo Martone, Dorrit Irène Novel, Bernd Quadder, Jack Richardson, Ginger Spitzer, Gianluca Ziosi, Johanna Hochreiter

Terminal 7 Session 534 08:30 - 10:30

Oral presentation: Innovative tobacco cessation approaches and trends in tobacco and e-cigarette use

Disease(s) : [Airway diseases](#)

Method(s) : Epidemiology Public health

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Linnea Hedman (Luleå, Sweden)

- OA5220 Late Breaking Abstract - E-cigarette use among Swedish teenagers**
Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Martin Andersson, Anne Lindberg, Eva Rönmark

- OA5221 The use of electronic cigarette by smokers and ex-smokers is associated with a poor perceived health status in the population-based Constances cohort**
Emeline Lequy (Paris, France), Emmanuel Wiernik, Iris Hourani, Diane Cyr, Rachel Nadif, Cédric Lemogne, Marcel Goldberg, Marie Zins, Guillaume Airagnes

- OA5222 Exposure of electronic cigarettes in Russia: results from Russian tobacco control policy evaluation study**
Marine Gambaryan (Moscow, Russian Federation), Marina Popovich, Anna Kalinina, Michail Starovoytov, Sergey Boytsov, Oxana Drapkina

- OA5223 Prevalence and correlates of cigarillo use in European Union member states**
Filippos T. Filippidis (London, United Kingdom), Enkeleint-Aggelos Mechili, Charis Girvalaki, Constantine Vardavas

- OA5224 Reduced smoking last ten years was driven by young women smoking less**
Emma Goksör (Molnlycke, Sweden), Göran Wennergren, Styliana Vasileiadou, Roxana Mincheva, Bright Nwaru, Bo Lundbäck, Linda Ekerljung

- OA5225 WHO-ERS project on smoking cessation in primary care in countries with high prevalence of tobacco use. First year experience**
Paraskevi Katsaounou (Athens, Greece), Christina Gratziou, Carlos Jimenez Ruiz, Marine Faure, Brian Ward, Sofia Ravara, Vinayak Mohan Prasad, Kristina Mauer-Stender, Jagdish Kaur, Angela Ciobanu, Syed Mahfuzul Huq, Dongbo Fu

- OA5226 Financial incentives combined with a smoking cessation group training programme increase abstinence rates in employees: a cluster randomized trial**
Onno C. P. van Schayck (Maastricht, Netherlands), Floor A. Van Den Brand, Gera E. Nagelhout, Bjorn Winkens, Niels H. Chavannes

- OA5227 A 12 month smoking cessation outcome-Allen Carr's Easyway to Stop Smoking-a randomised clinical trial**
Sheila Keogan (Dublin 8, Ireland), Shasha Li, Luke Clancy

7.2A Session 535 08:30 - 10:30

Poster discussion: What is new in idiopathic interstitial pneumonias?

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#) [Airway diseases](#)

Method(s) : Respiratory intensive care Endoscopy and interventional pulmonology Epidemiology Physiology General respiratory patient care Imaging

Chairs : Michael Kreuter (Heidelberg, Germany), Argyris Tzouveleakis (Athens, Greece)

- PA5228 Late Breaking Abstract - Phase 1, first-in-human study of OATD-01, a dual chitinase inhibitor for the treatment of respiratory diseases**
Stanislaw Pikul (Warszawa, Poland), Joanna Lipner, Michael Lissy, Barbara Dymek, Karolina Dzwonek, Pawel Dobrzanski, Magdalena Kania, Adam Golebiowski

- PA5229 Usefulness of surgical lung biopsies after cryobiopsies when pathological results are unspecific or show a pattern suggestive of a nonspecific interstitial pneumonia**
Benjamin Bondue (Bruxelles, Belgium), Thierry Pieters, Antoine Froidure, Vincent Heinen, Patrick Alexander, Delphine Hoton, Florence Dome, Myriam Remmelink, Dimitri Leduc

- PA5230 Long-term nintedanib treatment in idiopathic pulmonary fibrosis (IPF): final data from INPULSIS-ON**
Bruno Crestani (Paris, France), Manuel Quaresma, Mitchell Kaye, Takashi Ogura, Wibke Stansen, Susanne Stowasser, Michael Kreuter

- PA5231 Proof of concept of a non-invasive screening tool to detect idiopathic pulmonary fibrosis (IPF) in an early stage**
Jan De Backer (Kontich, Belgium), Cedric Van Holsbeke, Wim Vos, Dennis Belmans, Glenn Leemans, Wilfried De Backer
- PA5232 Feasibility of a homemonitoring program including real-time wireless home spirometry in idiopathic pulmonary fibrosis**
Catharina Moor (Rotterdam, Netherlands), Monique Wapenaar, Jelle R. Miedema, Jacomina J.M. Geelhoed, Prewesh P. Chandoesing, Marlies S. Wijsenbeek
- PA5233 The correlation between pathological findings of transbronchial lung cryobiopsy and high resolution CT morphology for diffuse parenchymal lung disease patients**
Naoto Aiko (Kanagawa, Japan), Takashi Niwa, Takuma Katano, Goshi Matama, Kohsuke Isomoto, Ryouta Ohtoshi, Erina Tabata, Ryota Shintani, Shinko Sadoyama, Hideaki Yamakawa, Satoshi Ikeda, Hiroaki Nakagawa, Tsuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Eri Hagiwara, Takashi Ogura
- PA5234 Dehydroepiandrosterone sulfate plasma levels correlate with lung function, muscle mass and physical performance in fibrotic interstitial lung disease**
Sabina Guler (Ried-Brig, Switzerland), Seo Am Hur, Scott Lear, Pat Camp, Pearce Wilcox, Janice Leung, Christopher Ryerson
- PA5235 Diagnostic value of BAL lymphocytosis in patients with suspected IPF and indeterminate HRCT pattern**
Vasilios Tzilas (Athens, Greece), Argyris Tzouveleakis, Evangelo Bouros, Maria Ntasiou, Anna Kefalaki, Anna Tsonou, Demosthenes Bouros
- PA5236 Cognitive impairment and depression in patients with Idiopathic Pulmonary Fibrosis**
Radwa Elhefny (Cairo, Egypt), Assem Elessawy, Hala Shaheen, Asmaa Mohamed
- PA5237 Fatigue in IPF measured by the Fatigue Assessment Scale during antifibrotic treatment**
Elisabeth Bendstrup (Vejle, Denmark), Vibeke Skivild, Rikke Larsen, Anette Aalestrup, Inger Terp, Kristina Nordvig, Thomas Prior, Janne Møller
- PA5238 Survival after respiratory hospitalization in patients with idiopathic chronic fibrosing interstitial pneumonia**
Osamu Nishiyama (Osaka, Japan), Ryo Yamazaki, Sho Saeki, Hiroyuki Sano, Takashi Iwanaga, Yuji Higashimoto, Hiroaki Kume, Yuji Tohda
- PA5239 Effect of pamrevlumab on the UCSD-SOBQ (University of California San Diego–Shortness of Breath Questionnaire) in patients with Idiopathic Pulmonary Fibrosis (IPF)**
Eduard Gorina (Belmont, United States of America), Tro Sekayan, Jeff Swigris, Peter Lacamera, Rafael Perez, Mark Hamblin, Joao Deandrade, John Fitzgerald, Peter Bercz, Ming Zhong, Elias Kouchakji, Peony Yu, Thomas Neff
- PA5240 Clinical impact of an interstitial lung disease Nurse on patients with idiopathic pulmonary fibrosis**
Sharina Aldhaheri (Kingston, Canada), Onofre Moran-Mendoza, Lynda Mccarthy
- PA5241 Safety in treating dyspnea with morphine in ILD patients**
Sissel Kronborg-White (Lystrup, Denmark), Charlotte Uggerhøj Andersen, Ole Hilberg, Elisabeth Bendstrup
- PA5242 Visual and fully-automated CT analysis in acute exacerbations of idiopathic pulmonary fibrosis (IPF)**
Lars Kehler (Heidelberg, Germany), Tobias Norajitra, Julia Ley-Zaporozhan, Athanasios Giannakis, Roman Rubtsov, Claudia Bauer-Kemeny, Klaus Maier-Hein, Claus-Peter Heussel, Michael Kreuter
- PA5243 Assessment of survival in patients with idiopathic pulmonary fibrosis (IPF) using quantitative HRCT indexes**
Sebastiano Emanuele Torrisi (Acireale (CT), Italy), Stefano Palmucci, Roberta Rosso, Matteo Schisano, Mauro Pavone, Ada Vancheri, Gianluca Sambataro, Claudia Crimi, Alessandro Stefano, Giorgio Russo, Carlo Vancheri
- PA5244 Frailty is an independent predictor of number and length of hospitalizations in patients with fibrotic ILD**
Sabina Guler (Ried-Brig, Switzerland), Joanne Kwan, Pearce Wilcox, Christopher Ryerson
- PA5245 Risk Factors for Mortality in Patients with Idiopathic Pulmonary Fibrosis Followed at Intensive Care Unit due to Acute Respiratory Failure**
Burcu Uysaler (izmir, Turkey), Pervin Korkmaz Ekren, Feza Bacakoglu, Nesrin Mogulkoc Bishop

7.2B Session 536 08:30 - 10:30

Poster discussion: Preclinical pharmacology: novel targets in airway inflammation, narrowing and neural control

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Respiratory intensive care Physiology Cell and molecular biology

Chairs : Leif Bjermer (Lund, Sweden), Sara Jane Bonvini (London, United Kingdom)

- PA5246 Andrographolide inhibits the activation of NLRP3 inflammasome in patients with COPD**
Wei Xiao (Chengdu, China), Wei Xiao, Juan-Juan Fu, Sheng-Jun Wang, Yan Wang, Ti-Wei Miao, Bing Mao
-
- PA5247 PUR1800 (RV1162), A novel narrow spectrum kinase inhibitor, but not Fluticasone, reduces TNF α -induced cytokine release by primary bronchial epithelial cells from healthy volunteers and COPD patients**
Aidan Curran (Lexington, United States of America), Catherine Charron, Paul Russell, David Hava
-
- PA5248 AZD1402/PRS-060, an inhaled Anticalin® IL-4Ra antagonist, potently inhibits IL-4 induced functional effects in human whole blood, which can be employed translationally in clinical studies.**
Katerina Pardali (Mölndal, Sweden), Fanyi Jiang, Mary Fitzgerald, Gabriele Matschiner, David Keeling
-
- PA5249 The effects of fatty acid amide hydrolase and monoacylglycerol lipase inhibitors in lipopolysaccharide-induced airway inflammation and tracheal hyperreactivity in mice**
Turgut Emrah Bozkurt (Ankara, Turkey), Reshed Abohalaka, Sevgen Celik Onder, Inci Sahin-Erdemli
-
- PA5250 Effects of Nintedanib on the M1 and M2a polarization of human macrophages**
Nessrine Bellamri (Rennes, France), Claudie Morzadec, Valérie Lecureur, Audrey Joannes, Lutz Wollin, Stéphane Jouneau, Laurent VERNHET
-
- PA5251 Selective activation and targeting of autophagy in severe asthma.**
Pawan Sharma (Sydney (NSW), Australia), Kielan Mcalinden, Anudeep Kota, Brian Oliver, Mehra Haghi
-
- PA5252 Effect of phosphodiesterase-4 inhibitor on the inflammation, oxidative damage and apoptosis in a saline lavage-induced model of acute lung injury**
Petra Kosutova (Martin, Slovakia), Pavol Mikolka, Maros Kolomaznik, Sona Balentova, Andrea Calkovska, Daniela Mokra
-
- PA5253 Mechanisms leading to the bronchoprotective effects of N-Acetylcysteine in human bronchi stimulated by lipopolysaccharide**
Luigino Calzetta (Roma (RM), Italy), Paola Rogliani, Francesco Facciolo, Barbara Rinaldi, Mario Cazzola, Maria Gabriella Matera
-
- PA5254 Differential anti-inflammatory effects of budesonide and a p38 MAPK inhibitor AZD7624 on COPD pulmonary cells**
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Pradeep Karur, Natalie Jackson, Danen Cunoosamy, Paul Jansson, Dave Singh
-
- PA5255 Clinically validated markers of the extracellular matrix remodelling are altered by potential anti-fibrotic compounds in a human lung fibrosis ex vivo model**
Diana Julie Leeming (Herlev, Denmark), Jannie M.B Sand, Christina Hesse, Sebastian Konzok, Katherina Sewald, Sarah Rønnow, Armin Braun, Morten A Karsdal, Sarah Brockbank, Simon Cruwys
-
- PA5256 Smooth-muscle-derived WNT-5A drives allergen-induced remodelling and Th2 type inflammation**
Reinoud Gosens (Groningen, Netherlands), Tim Koopmans, Laura Hesse, Martijn Nawijn, Mark Menzen, Ron Smits, Elvira Bakker, Judith Vonk, Maarten Van Den Berge, Gerard Koppelman, Victor Guryev
-
- PA5257 Intrinsic tone in human airway smooth muscle increases subsequent contractile response**
Alvenia Cairncross (Perth (WA), Australia), Farid Sanai, Brent Mcparland, Gregory King, Peter Mcfawn, John Elliot, Alan James, Peter Noble
-
- PA5258 LPS and TNF α differentially increase intrapulmonary airway and artery contraction in mouse precision cut lung slices**
Emma Lamanna (Clayton, Australia), Claudia Nold, Jane Bourke
-
- PA5259 Free fatty acid receptors, FFAR1 and FFAR4, are novel bronchodilator targets in mouse and human precision-cut lung slices**
Jane Bourke (Clayton (VIC), Australia), Ralph Angeles, Chantal Donovan, Maggie Lam, Jackie Micallef, Bharat Shimpukade, Trond Ulven, Simon Royce
-
- PA5260 Comparative activity of ilmetropium iodide and other anticholinergic drugs.**
Tatiana Molostova (Moscow, Russian Federation), Alexander Chuchalin, Yuri Kalinin, Sofia Skachilova, Oksana Proskurina
-
- PA5261 The anti-tussive effects of an inhaled LABA are maintained after chronic treatment**
Michael A. Wortley (London, United Kingdom), Sara J. Bonvini, Pauline L.M. Flajolet, Maria G. Belvisi, Mark A. Birrell
-
- PA5262 Allergen-induced BDNF expression and neuronal remodeling contributes to airway hyperresponsiveness**
Loes E. M. Kistemaker (Groningen, Netherlands), Susan Nijboer, Anne P De Groot, Eva VohlíDalová, I Sophie T Bos, Y.S. Prakash, Reinoud Gosens
-
- PA5263 Characterisation of TRPA1 activation on sensory nerves**
Xue Chen (London, United Kingdom), Sara J. Bonvini, Eric Dubuis, Mark A. Birrell, Maria G. Belvisi

7.2C Session 537 08:30 - 10:30

Poster discussion: Tuberculosis transmission and screening strategies

Disease(s) : Respiratory infections Respiratory infections

Method(s) : Cell and molecular biology Public health Epidemiology General respiratory patient care

Chairs : Delia Goletti (Roma (RM), Italy), Alberto Matteelli (Brescia (BS), Italy)

Associated factors to tuberculosis transmission.

PA5264 Juan Rodríguez López (Oviedo (Asturias), Spain), Jose Maria Garcia Garcia, Teresa Rodrigo, Juan Ruiz-Manzano, Martí Casals, Joan Caylà, Programa I Investigación Grupo De Tuberculosis-Separ

Introduction of a Latent TB infection (LTBI) screening programme detects cases of active tuberculosis and hepatitis B and C

PA5265 Jennifer Yung (London, United Kingdom), Jennifer Yung, Grace Isbister, Thomas Mason, Stella Abiona, Martino Dall'Antonia, Moerida Belton

Epidemiological features of nosocomial tuberculosis in patients with pulmonary tuberculosis in TB hospital

PA5266 Nelliia Vasileva (St. Petersburg, Russian Federation), Anna Vyazovaya, Igor Vasilev, Natalia Solovieva, Vyacheslav Zhuravlev, Olga Narvskaya, Ludmila Zueva

Diagnostic delay in tuberculosis in Yorkshire & Humber, UK: 2013-16 data

PA5267 Stefanie Gissing (Leeds (West Yorkshire), United Kingdom), Renu Bindra

Implementation of FAST strategy in the National Center for Tuberculosis and Lung Diseases (NCTLD) in Georgia

PA5268 Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Rusudan Aspindzlashvili, Nino Lomtadze

Tuberculosis contact investigation – 5-year experience of a Portuguese ambulatory center

PA5269 Daniel Gonçalo Pereira Duarte (Lisboa, Portugal), Rodrigo Farinha, João Eusébio, Paula Raimundo, Natália André, António Domingos

Performance of QuantiFERON TB PLUS® (QTF-PLUS) In the detection of latent tuberculosis infection in relation to QTF TB GOLD IN TUBE (QTF), TSPOT.TB and Tuberculin Skin Test (TST). A two year prospective study.

PA5270 Miguel Arias Guillen (Oviedo (Asturias), Spain), María Teresa González-Budiño, Marta María García-Clemente, Sabino Riestra-Menéndez, Rubén Queiro, Juan José Palacios-Gutierrez, Susana Martínez-González, Miguel Santibáñez, Tamara Hermida-Valverde, Carmen Osoro-Suárez, Jose Andrés Lorenzo, Ariel Moreda, Inés Ruiz-Alvarez, Julia Herrero-Puertas, Andrés Ortiz, María Folgueras-Gómez, Pere Casan-Clarà

Evaluation of IP-10 in IGRA for LTBI diagnosis

PA5271 Linda Petrone (Roma (RM), Italy), Elisa Petruccioli, Valentina Vanini, Teresa Chiacchio, Gilda Cuzzi, Fabrizio Palmieri, Giuseppe Ippolito, Delia Goletti

Modulation of whole-blood IGRA response in patients with latent TB infection during treatment

PA5272 Elisa Petruccioli (Roma (RM), Italy), Teresa Chiacchio, Valentina Vanini, Gilda Cuzzi, Fabrizio Palmieri, Luigi Ruffo Codecasa, Paola Castellotti, Giuseppe Ippolito, Delia Goletti

Discordance between tuberculin skin tests (TST) and interferon gamma release assays (IGRAs): Are we over-treating LTBI?

PA5273 Rodric V Francis (Nottingham, United Kingdom), Amanda Goodwin, Vidya Navaratnam, Lois Dexter, Anna L Rich

Immune reactive profiling in subjects at risk of latent tuberculosis infection with TST(+)/IGRA(-) results.

PA5274 Patricio Escalante (Rochester, United States of America), Tobias Peikert, Virginia P. Van Keulen, Courtney L. Erskine, Andrew H. Limper

Recombinant Tuberculosis Allergen in Detecting Latent Tuberculosis Infection in Adults

PA5275 Tatiana Ivanovna Morozova (Saratov (Saratov Oblast), Russian Federation), Olga Otpuschennykova

Results of retrospective-prospective comparison study of different immunologic tests in diagnosis of tuberculosis infection

PA5276 Anna Starshinova (St. Petersburg, Russian Federation), Viacheslav Zhuravlev, Irina Dovgaluk, Alexander Panteleev, Ulia Zinchenko, Evgenia Istomina, Maria Pavlova, Piotr Yablonskiy

Accuracy of whole blood IGRA in TB subjects with rheumatic disease.

PA5277 Teresa Chiacchio (Roma (RM), Italy), Elisa Petruccioli, Valentina Vanini, Gilda Cuzzi, Fabrizio Palmieri, Giuseppe Ippolito, Delia Goletti

Comparison of LTBI screening strategies before TNF inhibitor treatment in inflammatory arthritis

PA5278 Young Ju Jung (Seoul, Republic of Korea), Dae Hyun Jeong, Jieun Kang, Bin Yoo, Chang-Keun Lee, Yong-Gil Kim, Seokchan Hong, Tae Sun Shim, Kyung-Wook Jo

PA5279 Should we treat every patient with latent TB? Is there a cost to pay?
Usman Maqsood (Walsall, United Kingdom), Muhammad Ganaie, James Redfern, Mohammed Munavvar

PA5280 Conversion of tuberculosis screening tests during biological therapy in patients with rheumatic diseases: what's beyond screening values?
Victoria Sadovici-Bobeica (Chisinau, Republic of Moldova), Virginia Salaru, Lucia Mazur-Nicorici, Maria Garabajiu, Tatiana Rotaru, Minodora Mazur

PA5281 Molecular Epidemiology of Tuberculosis (TB) Patients Attending to Ege University Faculty of Medicine
Imren Nesil (Izmir, Turkey), Mustafa Hikmet Ozhan, Cengiz Cavusoglu

7.2D Session 538 08:30 - 10:30

Poster discussion: The importance of the pulmonary function test in different clinical settings

Disease(s) : Airway diseases Respiratory infections Interstitial lung diseases Respiratory critical care Respiratory infections Pulmonary vascular diseases

Method(s) : Epidemiology Transplantation Surgery General respiratory patient care Physiology

Chairs : Nikolaos Tzanakis (Heraklion (Crete), Greece), Maurizio Marvisi (Cremona (CR), Italy)

PA5282 Study of lung functions (LF) in patients with Human Immunodeficiency Virus (HIV) infection
Thi ha (Yangon, Myanmar), Aung Kyaw Soe, Ye Ye Naing

PA5283 Forced oscillometry for early detection of bronchiolitis obliterans (BO) following hematogenous stem cell transplant (HSCT)
Qian Huang (Toronto (ON), Canada), Qian Huang, Elizabeth Cho, Tong Xu, Lauren Day, Henry Furlott, Clodagh Ryan, Jeff Lipton, Chung-Wai Chow

PA5284 Late Breaking Abstract - Hypoxic Challenge Testing: Practice Experience In Tallaght Hospital/Dublin."Time to improve training for hypoxic pulmonary challenge test"
Amel Alameeri (Dublin, Ireland)

PA5285 Effect of positional changes on lung diffusing capacity in heart failure
Caitlin Fermoyle (Rochester, United States of America), Steven Chase, Glenn Stewart, Bruce Johnson

PA5286 Relationship between abnormal preoperative spirometry, postoperative mortality and pulmonary complications in non-thoracic surgery
Catarina Marques (Gondomar, Portugal), Daniela Machado, Inês Ladeira, Ricardo Lima, Joana Gomes, Miguel Guimarães

PA5287 Effect of Gender and Abdominal Obesity on Airway Mechanics
Anjana Talwar (Noida (Uttar Pradesh), India), Anjali Trivedi, Meghashree Sampath, Geetanjali Bade

PA5288 Prediction of obstructive lung function and the risk of complications in morbidly obese patients undergoing bariatric surgery
Harman Singh (Rotterdam, Netherlands), Yasemin Türk, Astrid Van Huisstede, Erwin Birnie, Ulas Biter, Pieter Hiemstra, Gert-Jan Braunstahl

PA5289 Physical activity and incidence of restrictive spirometry pattern in adults.
Anne-Elie Carsin (Barcelona, Spain), Dirk Keidel, Elaine Fuertes, Medea Imboden, Joost Weyler, Dennis Nowak, Joachim Heinrich, Isabel Urrutia, Jose Martinez-Moratalla, S Caviezel, A Beckmeyer-Borowko, Chantal Raheison, Isabelle Pin, Pascal Demoly, Bénédicte Leynaert, I Cerveri, Roberto Bono, Simone Accordini, A Amaral, Thorarig Gislason, Cecilie Svanes, K Toren, Bertil Forsberg, Christer Janson, S Dharmage, Rain Jogi, Jm Anto, Nicole Probst-Hensch, Judith Garcia-Aymerich

PA5290 Artificial intelligence improves experts in reading pulmonary function tests
Marko Topalovic (Leuven, Belgium), Nilakash Das, Pierre-Regis Burgel, Marc Daenen, Eric Derom, Christel Haenebalcke, Rob Janssen, Huib Kerstjens, Giuseppe Liistro, Renaud Louis, Vincent Ninane, Christophe Pison, Marc Schlessler, Piet Vercauter, Claus Vogelmeier, Emiel Wouters, Jokke Wynants, Wim Janssens

PA5291 Interest to practice a peak expiratory flow in the cough DET in prone position at the patient affected by neuromuscular disease.
Leila Laouar (Alger, Algeria), Sonia Nouioua, Mohamed Islam Kediha, Lamia Ali Pacha, Meriem Tazir, Samya Taright

PA5292 The frequent exacerbator phenotype in bronchiectasis: predictors and particularities
Ahmed Ben Saad (Monastir, Tunisia), Saousen Cheikh Mhamed, Ghassen Trigui, Nesrine Fahem, Asma Migaou, Samah Joobeur, Naceur Rouatbi

PA5293 Impulse oscillometry differentiates the lungs of elderly with and without metabolic syndrome: a functional and immunological approach
Maysa Rangel (Sao Jose Dos Campos (SP), Brazil), Tamara Costa-Guimarães, Giovana Gabriela-Pereira, Alana Santos-Dias, Manoel Carneiro Oliveira-Junior, André Luis Lacerda Bachi, Amanda Cristina Araújo-Rosa, Claudio Ricardo Frison, Sérgio Roberto Nacif, Rodolfo Paula Vieira

PA5294 Association of height growth in puberty with maximally attained lung function
Osama Mahmoud (Bristol (Avon), United Kingdom), Raquel Granell, Kate Tilling, Cosetta Minelli, Judith Garcia-Aymerich, John Holloway, Adnan Custovic, Deborah Jarvis, Jonathan Sterne, John Henderson

PA5295 Risk factors for acute exacerbation of interstitial pneumonia after surgery with general anesthesia
Keisuke Hosoki (Tokyo, Japan), Yu Mikami, Kunihiro Soma, Toshio Sakatani, Yukiyo Sakamoto, Hirokazu Urushiyama, Takahide Nagase, Taisuke Jo

PA5296 Is preoperative pulmonary evaluation necessary in renal transplant patients?
Nilay Orak Akbay (Istanbul, Turkey), Fatih Gokhan Akbay, Suheyla Apaydin, Volkan Tugcu

PA5297 Randomized, placebo-controlled, double-blind clinical trial on the effect of carvacrol on serum cytokine levels and pulmonary function tests in sulfur mustard induced lung disorder
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Mohammad Reza Khazdair

PA5298 Updated prevalence and risk factors for bronchiolitis obliterans syndrome after allogeneic stem cell transplantation.
Jhanavi Rangaswamy (Melbourne (VIC), Australia), Sharon Avery, Brigitte Borg, Catherine Martin, Eli Dabscheck

7.3J Session 539 08:30 - 10:30

Poster discussion: The airway microbiome across the spectrum of airway disease

Disease(s) : [Airway diseases](#) [Respiratory infections](#) [Respiratory critical care](#) [Respiratory infections](#)

Method(s) : Public health Cell and molecular biology General respiratory patient care Respiratory intensive care

Chairs : Maria Rosa Faner Canet (Barcelona, Spain), Eleni Papakonstantinou (Thessaloniki, Greece)

PA5299 Influence of bacteria from the COPD lung microbiome on cigarette smoke-induced pro-inflammatory responses of three-dimensional lung epithelial cell cultures
qi ni (Ghent, Belgium), Charlotte Rigauts, Lisa Ostyn, Eva Vandeplassche, Guy Brusselle, Tom Coenye, Ken Bracke, Aurélie Crabbé

PA5300 Non-typeable Haemophilus influenzae infection of ciliated epithelium from healthy and chronic obstructive pulmonary disease donors
Alina Maria Petris (London, United Kingdom), Simona A. Velkova, Dani D.H. Lee, Soren Beinke, Richard A. Williamson, Nikolai N. Belyaev, Edith M. Hessel, Dale Moulding, Timothy D. Mchugh, Primrose Freestone, Claire M. Smith, Christopher O'Callaghan

PA5301 Volatile organic compound (VOC) analysis to differentiate between bacterial and viral respiratory infections in COPD
Faisal Kamal (London, United Kingdom), Sacheen Kumar, Aran Singanayagam, Michael Edwards, Andrea Romano, Kirrill Veslkov, Ivan Laponogov, Gavin Donaldson, Sebastian Johnston, Jadwiga Wedzicha, George B Hanna

PA5302 Utility of CAT questionnaire in the diagnosis of bacterial colonization in Bronchiectasis
ANNA FELIU (BARCELONA, Spain), Ana Rodrigo-Troyano, Lidia Perea, Jordi Giner, Diego Castillo, Ferran Sánchez-Reus, David De La Rosa, Miguel Angel Martínez-García, Oriol Sibila Vidal

PA5303 Longitudinal profiling of viral infections in COPD patients and their implication to exacerbations
Eleni Papakonstantinou (Thessaloniki, Greece), Daiana Stolz (Basel, Switzerland), Hans Hirsch, Daniel Schilter, Renaud Louis, Janko Rakic, Lucas Boeck, Eleni Papakonstantinou, Christian Schindler, Leticia Grize, Michael Tamm

PA5304 Sputum biospecimen quality and suitability for microbiome characterisation in COPD
Ian A. Yang (Chermside, Australia), Janet Shaw, Hannah O'Farrell, Olivia Ferry, Pamela Fung, Deborah Courtney, Rayleen Bowman, Kwun Fong

PA5305 Moraxella catarrhalis infection of healthy and COPD ciliated epithelial cultures
Simona Velkova (London, United Kingdom), Alina Petris, Dani Lee, Primrose Freestone, Rick Williamson, Soren Beinke, Nikolai Belyaev, Edith Hessel, Dale Moulding, Rosalind Smyth, Claire Smith, Christopher O'Callaghan

PA5306 Relationship between the respiratory microbiome and systemic patterns in COPD
Laura Millares Costas (Badalona (Barcelona), Spain), Sergi Pascual, Cristina Lalmolda, Marian García-Nuñez, Rosa Faner, Carme Casadevall, Laia Seto, Oscar Cuevas, Silvia Capilla, Amalia Moreno, Ady Castro, Carlos Alvarez, Oriol Sibila, German Peces-Barba, Borja Cosío, Concepción Monton, Alvar Agusti, Joaquim Gea, Eduard Monsó

- PA5307** **What is the best technique to extract bacterial DNA from sputum?**
Martina Oriano (Milan, Italy), Leonardo Terranova, Luca Ruggiero, Camilla Tafuro, Antonio Teri, Lisa Cariani, Elisa Franceschi, Francesco Amati, Andrea Gramegna, Martina Contarini, James D Chalmers, Paola Marchisio, Stefano Aliberti, Francesco Blasi
- PA5308** **Diagnosis of Lower Respiratory Tract Infections using nanopore sequencing**
Themoula Charalampous (Norwich (Norfolk), United Kingdom), Hollian Richardson, Gemma Kay, Rossella Baldan, Christopher Jeanes, Daniel Turner, John Wain, David Livermore, Richard Leggett, Justin O'Grady
- PA5309** **Respiratory syncytial virus (RSV) disease in hospitalised adults in Europe with COPD: Impact of GOLD score on RSV disease burden**
Thomas Harrer (Erlangen, Germany), Florian Thalhammer, Odile Launay, Arnaud Cheret, Guy De La Rosa, Ian Sander, Robert Stolper, Jessica Zakar, Karin Weber
- PA5310** **Human rhinovirus impairs macrophage innate immune responses to bacteria via the interferon pathway in COPD**
Lydia Finney (London, United Kingdom), Kylie Belchamber, Peter Fenwick, Samuel Kemp, Sebastian Johnston, Louise Donnelly, Jadwiga Wedzicha
- PA5311** **Comparing Respiratory Pathogen in patients with non-Cystic Fibrosis bronchiectasis during clinically stable and exacerbation**
Chaisith Sivakorn (Nonthaburi, Thailand), Virissorn Wongsrichanalai
- PA5312** **Tsukamurella species isolation in bronchiectasis and chronic obstructive pulmonary disease patients: A retrospective case series**
Emilia Isabel Amara Elori (Valencia, Spain), Raúl Méndez Ocaña, Ana Gil Brusola, Beatriz Montull Veiga, Alexandra Gimeno Cardells, Alba Piro Dorado, Paula González Jiménez, Laura Feced Olmos, Patricia Falomir Salcedo, Rosario Menéndez Villanueva
- PA5313** **Characterization of macrophages from bronchoalveolar lavage of COPD patients with and without bacterial colonization**
Lidia Perera Lopez (Madrid, Spain), Lidia Perea (Barcelona, Spain), Elisabet Cantó, Ana Rodrigo-Troyano, Alfons Torrego, Jordi Giner, Ana Feliu, Ferran Sánchez-Reus, Silvia Vidal, Oriol Sibila Vidal
- PA5314** **Development of antibiotic-resistance in P. aeruginosa obtained from bronchiectasis patients: a multicenter prospective observational study**
Paola Faverio (Limbiate (MI), Italy), Giulia Bonaiti, Stefano Zucchetti, Anna Stainer, Elisa Franceschi, Ana Maria Rodrigo Troyano, Oriol Sibila, Francesco Bini, Bruno Dino Bodini, Stefano Aliberti
- PA5315** **Tolerance test for inhaled antibiotics in patients with chronic bronchial infection**
Esther Barbero Herranz (Madrid, Spain), Rosa Nieto Royo, Raquel Morillo Guerrero, Deisy Barrios Barreto, Carlos Almonacid Sánchez, Francisco León Román, Luis Maíz Carro
- PA5316** **Bronchiectasis exacerbations by Pseudomonas aeruginosa: differences and similarities**
Carolina Duarte Ferreira Dantas (Lisboa, Portugal), David Silva, Inês Duarte, Raquel Bernardes, Tiago Sá, João Cardoso

7.3N Session 542 10:45 - 12:45

Symposium: The asthma-allergy "family"

Relationships within and beyond the lungs

Aims : to provide practicing clinicians an update on the molecular biology and pathology of the "organs" that associate with asthma and to describe how these "organs" and allergy connect to asthma. These "organs" include the gut, skin, nose and small airways. This session will help day-to-day clinicians to become aware of the roles that these "organs" play in the clinical manifestations of asthma. This session will also provide an update on the immunoregulatory pathways that are involved in the clinical manifestations of asthma.

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Pathologist, Patient, Scientist (basic, translational), Student, Trainee

Chairs : Ay e Arzu Yorganc o lu (Izmir, Turkey), Jean Bousquet (Montpellier, France)

10:45	Patient testimonial Maria Stefansdottir (Reykjavik, Iceland)	5319
10:55	The gut Cezmi A. Akdis (Davos, Switzerland)	5320
11:22	The skin Isabella Annesi Maesano (Paris, France)	5321

11:50	Allergy Ioana Agache (Brasov (Brasov), Romania)	5322
12:17	The small airways Matteo Bonini (London, United Kingdom)	5323

7.1A Session 543 10:45 - 12:45

Hot topics: Important changes in the management of tuberculosis

Aims : New developments in translational research are having a significant impact on the clinical management of TB. This session will give attendees an idea of the future and how we will eventually be able to eradicate TB.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Public health

Tag(s) : Translational

Target audience : Clinical researcher, Patient, Policy maker, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Keertan Dheda (Cape Town, South Africa), Martina Sester (Homburg (Saar), Germany)

10:45	When will genetic testing replace standard drug susceptibility testing? Daniela Maria Cirillo (Milano (MI), Italy)	5324
11:15	Tuberculosis in vulnerable populations: the E-DETECT TB project Alberto Matteelli (Brescia (BS), Italy)	5325
11:45	The updated European Union standards of tuberculosis care Marieke van der Werf (Stockholm, Sweden)	5326
12:15	Can we predict who will develop TB among those with a positive interferon- release assay (IGRA)? Speaker to be confirmed	5327

7.1B Session 544 10:45 - 12:45

Symposium: Endoscopic solutions for obstructive lung diseases

Endoscopic solutions for obstructive lung diseases

Aims : to describe the minimally invasive solutions that are increasingly being offered for obstructive lung diseases. The symposium will describe the limitations and complications of each solution and provide recommendations.

Disease(s) : Airway diseases

Method(s) : Endoscopy and interventional pulmonology Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Physiotherapist, Radiologist, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Daniela Gompelmann (Heidelberg, Germany), Gerard J. Criner (Philadelphia, United States of America)

10:45	Endoscopic lung volume reduction Felix J.F. Herth (Heidelberg, Germany)	5328
11:15	Endoscopic treatment of severe asthma Pallav L. Shah (London, United Kingdom)	5329
11:45	Chronic bronchitis and endoscopy Karin Klooster (Groningen, Netherlands)	5330
12:15	Targeted lung denervation Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa)	5331

7.3C Session 545 10:45 - 12:45

Symposium: Palliative care specific for respiratory diseases

Aims : to describe the current state-of-the-art of palliative care in the specific setting of respiratory disease. Special attention will be paid to the following: the collaboration between the patient and the professional team; the specific problems that are faced in lung cancer; and the specific problems that are encountered in patients with chronic obstructive pulmonary disease or interstitial lung disease and patients admitted to the intensive care unit.

Disease(s) : Interstitial lung diseases Thoracic oncology**Method(s) :** General respiratory patient care Respiratory intensive care Surgery**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Nurse, Patient, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Lieuwe Bos (Amsterdam, Netherlands), Anita Simonds (London, United Kingdom)

10:45	Palliative care - an alliance between the patient, the pulmonologist and the palliative care team Claudia Bausewein (München, Germany)	5332
11:15	Palliative care specific for lung cancer Torsten Gerriet Blum (Berlin, Germany)	5333
11:45	Palliative care specific for patients with chronic respiratory disease David M. G. Halpin (Exeter Devon, United Kingdom)	5334
12:15	End-of-life care specific for patients in the intensive care unit J. Randall Curtis (Seattle, WA, United States of America)	5335

7.3Z1

Session 546

10:45 - 12:45

Hot topics: Emerging and novel imaging biomarkers in drug-induced interstitial lung disease**Aims :**

(i) To explore the current evidence regarding drug-induced lung toxicity, thereby highlighting its growing impact; (ii) to describe the in vivo models that are being used to elucidate the cell and extracellular matrix changes that underlie drug-induced interstitial lung disease (DIILD) and to identify imaging biomarkers for the detection and quantification of DIILD; (iii) to describe the new imaging techniques for assessing interstitial lung disease and their potential usefulness in DIILD; and (iv) to describe the potential clinical uses of molecular probes for detecting, staging and quantifying fibrosis and fibrogenesis.

Disease(s) : Interstitial lung diseases**Method(s) :** Imaging**Tag(s) :** Clinical**Target audience :** Clinical researcher, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Philippe Camus (Dijon, France), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

10:45	Drug-induced interstitial lung disease: known knowns and known unknowns Elisabeth Bendstrup (Vejle, Denmark)	5336
11:15	MRI and CT imaging of in vivo models of drug-induced interstitial lung diseases. Irma Mahmutovic Persson (Lund, Sweden)	5337
11:45	Use of MRI for functional and structural assessment of interstitial lung disease James M. Wild (Sheffield (South Yorkshire), United Kingdom)	5338
12:15	Non-invasive molecular imaging of pulmonary fibrosis Sydney Montesi (Boston, United States of America)	5339

7.3B

Session 547

10:45 - 12:45

Oral presentation: Advances in exercise physiopathology**Disease(s) :** Airway diseases Pulmonary vascular diseases Sleep and breathing disorders**Method(s) :** Imaging Physiology**Chairs :** Samuel Vergès (Grenoble, France), Thomas Radtke (Zürich, Switzerland)

OA5340 Effects of acute dual bronchodilator treatment (tiotropium + olodaterol) on cardiopulmonary interactions in hyperinflated patients with COPD
Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Renata Diniz Marques, Brandon Palmer, Katherine Webb, Denis E O'Donnell, J Alberto Neder

OA5341 Pulsed inhaled nitric oxide (iNO) improves exercise tolerance and shortness of breath (SOB) in severe COPD subjects with pulmonary hypertension (PH)
Bita Hajian (Huizen, Netherlands), Bharati Shivalkar, Francisca Ferreira, Cedric Van Holsbeke, Wim Voss, Jan De Backer, Peter Fernandes, Kathleen Sartoris, Deborah Quinn, Annemie Hufkins, Paul M Parizel, Johan Cluckers, Wilfried De Backer

- OA5342 Ventilatory assistance decreases mechanical-inspiratory constraints and improves exercise tolerance in overlapping COPD-heart failure**
Aline Souza (Belo Horizonte (MG), Brazil), Adriana Mazzuco, Maria Clara Alencar, Flávio Arbex, Mayron Faria, Wladimir Muzzeti, Denis E. O' Donnell, Luiz Eduardo Nery, J Alberto Neder, Priscila Sperandio
- OA5343 Effect of dexamethasone on cerebrovascular hemodynamics in lowlanders with COPD travelling to 3100m.**
Michael Furian (Zürich, Switzerland), Sara E Hartmann, Mona Lichtblau, Sayaka S Aeschbacher, Batyr Osmonov, Maya Bisang, Stefanie Ulrich, Hannes Knapp, Erkin Mirrakhimov, Talant Sooronbaev, Silvia Ulrich, Marc J Poulin, Konrad E Bloch
- OA5344 Cardiopulmonary exercise test for risk assessment in lung resection surgery**
Danielle Cristine Campos Bedin (São Paulo (SP), Brazil), Roberta Pulcheri Ramos, Elaine Brito Vieira, Sonia Maria Faresin, Luiz Eduardo Nery
- OA5345 Prediction algorithm of Wmax in COPD and evaluation by Cardiopulmonary Exercise Testing.**
Georgia Papapostolou (Lund, Sweden), Linnea Jarenbäck, Jaro Ankerst, Leif Bjermer, Saga Jönsson, Stefan Peterson, Finn Radner, Ellen Tufvesson, Göran Eriksson

7.37Z

Session 548

10:45 - 12:45

Oral presentation: New insights in the signalling pathways that underlie IPF pathophysiology

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Cell and molecular biology

Chairs : Melanie Konigshoff (Denver, United States of America), Bruno Crestani (Paris, France)

- OA5346 LSC - 2018 - PRRX1 a pro-fibrotic mesenchymal transcription factor modulated by remodeled microenvironment in IPF**
Emmeline Marchal-Duval (Paris, France), Antoine Froidure (antoine.froidure@uclouvain.be / Fondation Saint-Luc UCL, Bruxelles), Madeleine Jaillot (madeleine.jaillet@inserm.fr / INSERM U1152, Paris), Mada Ghanem (mada.ghanem@inserm.fr / INSERM U1152, Paris), Audrey Joannes (audrey.joannes@inserm.fr / INSERM U1152, Paris), Arnaud Maurac (arnaud.maurac@gmail.com / INSERM U1152, Paris), Aurelie Cazes (aurelie.cazes@aphp.fr / Hôpital Bichat Service d'anatomopathologie, Paris), Pierre Mordant (pierre.mordant@aphp.fr / Hôpital Bichat Service de Chirurgie Thoracique, Paris), Hervé Mal (herve.mal@aphp.fr / Hôpital Bichat Service de Pneumologie B, Paris), Bruno Crestani (bruno.crestani@aphp.fr / Hôpital Bichat Service de Pneumologie A, Paris), Arnaud Mailleux (arnaud.mailleux@inserm.fr / INSERM U1152, Paris)
- OA5347 LSC - 2018 - FKBP10 regulates fibroblast migration via synthesis of collagen VI**
Claudia Staab-Weijnitz (München, Germany), Larissa Knüppel, Katharina Heinzelmänn (katharina.heinzelmänn@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz-Zentrum München, Munich, DE; Member of the German Center of Lung Research (DZL), Munich), Michael Lindner (m.lindner@asklepios.com / Asklepios Fachkliniken München-Gauting, Munich, DE, Munich), Rudolf Hatz (rudolf.hatz@med.uni-muenchen.de / Asklepios Fachkliniken München-Gauting, Munich, DE and Thoraxchirurgisches Zentrum, Klinik für Allgemeine-, Viszeral-, Transplantations-, Gefäß- und Thoraxchirurgie, Klinikum Großhadern, Ludwig-Maximilians-Universität, Munich, DE, Munich), Jürgen Behr (juergen.Behr@med.uni-muenchen.de / Asklepios Fachkliniken München-Gauting, Munich, DE and Medizinische Klinik und Poliklinik V, Klinikum der Ludwig-Maximilians-Universität, Munich, DE, Munich), Oliver Eickelberg (OLIVER.EICKELBERG@UCDENVER.EDU / Pulmonary and Critical Care Medicine University, Colorado Anschutz Medical Campus, Denver, Colorado, United States of America, Munich), Claudia A. Staab-Weijnitz (staab-weijnitz@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz-Zentrum München, Munich, DE; Member of the German Center of Lung Research (DZL), Munich)
- OA5348 LSC - 2018 - Collagen-producing macrophages can mediate lung fibrosis through Fra-2/AP-1 expression**
Alvaro Conrado Ucero,
- OA5349 Growth hormone-releasing hormone receptor antagonist MIA-602 modulates mouse lung inflammation and fibrosis due to bleomycin**
Robert M. Jackson (Miami, United States of America), Lin Ai, Chongxu Zhang, Gaetan Delcroix, Tengjiao Cui, Xianyang Zhang, Mehdi Mirsaedi, Aaron Lazerson, Andrew Schally
- OA5350 MKP-5 inhibition blunts fibrotic responses in-vitro and in-vivo through negative regulation of TGFB1-induced smad3-signalling**
Argyris Tzouveleakis (Athens, Greece), Nikolaos Xylourgidis, Kisuk Min, Thodoris Karampitsakos, Ioanna Ninou, Ilianna Barbayianni, Anton Bennett, Vassilis Aidinis, Naftali Kaminski
- OA5351 Involvement of GPx4-regulated lipid peroxidation in IPF pathogenesis.**
Kazuya Tsubouchi (Tokyo, Japan), Jun Araya, Shunsuke Minagawa, Hiromichi Hara, Yusuke Hosaka, Akihiro Ichikawa, Nayuta Saito, Masahiro Yoshida, Takeo Ishikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano

OA5352 Extracellular vesicles from broncho-alveolar lavage act on cellular behavior during lung fibrosis.
Olivier Burgy (Aurora, United States of America), Aina Martin Medina, Christoph H Mayr, Jürgen Behr, Herbert B Schiller, Melanie Königshoff

OA5353 p16ink4a deletion switches emphysema to fibrosis in mouse
Maeva Zysman (Montreuil, France), Bruno Ribeiro Baptista, Clément Giffard, Philippe Caramelle, Maylis Dagouassat, Francois Chabot, Sophie Lanone, Jorge Boczkowski, Laurent Boyer

7.3K Session 549 10:45 - 12:45

Symposium: Effects of smoking on asthma

Effects of smoking cessation on asthma immunology and outcomes

Aims : to provide pulmonologists, paediatricians, investigators and health allied professionals with an update on smoking in asthma; to describe new information about the smoking cluster of patients with severe asthma; to describe how to handle the smoking asthmatic phenotype; to encourage concern about special groups of smokers (pregnant women, parents, etc.); and to highlight the need for organising specific programs for asthmatics who smoke.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Epidemiology Physiology Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Michael Peters (San Francisco, United States of America), Stylianos Loukides (Athens, Greece)

10:45	Characteristics of the smoking asthmatic patient cluster - data from U-BIOPRED Christos Rossios (London, United Kingdom)	5354
11:15	How smoking modifies inflammation and immunology of asthma Peter J. Barnes (London, United Kingdom)	5355
11:45	How I took control of my severe asthma Breda Flood (Gorey, Ireland)	5356
12:15	Smoking cessation interventions and asthma control: for whom, how, what to expect Paraskevi Katsaounou (Athens, Greece)	5357

7.3Q Session 550 10:45 - 12:45

Oral presentation: Progress in basic and translational research on idiopathic interstitial pneumonias

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care Cell and molecular biology

Chairs : Toby Maher (St. Albans (Hertfordshire), United Kingdom), Francesco Bonella (Düsseldorf, Germany)

OA5358 Late Breaking Abstract - Effectiveness and tolerability of pirfenidone (PFD) in patients with idiopathic pulmonary fibrosis (IPF) from a large Italian practice cohort
Carlo Vancheri (Catania (CT), Italy), Alfredo Sebastiani, Paola Rottoli, Fabrizio Luppi, Sergio Harari, Alessandra Ghirardini, Klaus-Uwe Kirchgaessler, Sara Tomassetti

OA5359 BAL cell transcriptome predicts survival in IPF and can be used to gauge and model treatment effects interfering with the TGF-beta pathway
Antje Prasse (Hannover, Germany), Alfonso Carleo, Benedikt Jaeger, Jonas Schupp, Paola Rottoli, Wim Wuyts, Naftali Kaminski

OA5360 Synergistic Drug Combination of Nintedanib and Vardenafil Inhibits Fibrosis in AKR-2B Fibroblasts
Michael Bourne (Rochester, United States of America), Theodore Kottom, Andrew Limper

OA5361 CHIT1 is a novel therapeutic target in idiopathic pulmonary fibrosis (IPF): anti-fibrotic efficacy of OATD-01, a potent and selective chitinase inhibitor in the mouse model of pulmonary fibrosis
Barbara Dymek (Warszawa, Poland), Piotr Sklepkiewicz, Michal Mlacki, Agnieszka Zagodzdzon, Robert Koralewski, Marzena Mazur, Magdalena Paplinska-Goryca, Patrycja Nejman-Gryz, Malgorzata Proboszcz, Katarzyna Gorska, Marta Maskey-Warzechowska, Natalia Przysucha, Rafal Krenke, Adam Golebiowski, Pawel Dobrzanski, Karolina Dzwonek

OA5362 Molecular Markers of Telomere Dysfunction and Senescence are Common Findings in the Usual Interstitial Pneumonia Pattern of Lung Fibrosis
Joyce Lee (Cherry Hills Village, United States of America), Janet La, Sara Aziz, Robert Brownell, Kirk Jones, Gary Green, Brett Elicker, Jeffrey Golden, Michael Matthay, Jasleen Kukreja, Harold Collard, Paul Wolters

OA5363 A new Humanized Mouse Model for Idiopathic Pulmonary Fibrosis and Effects of Nintedanib Treatment
Antje Prasse (Hannover, Germany), Benedikt Jäger, Linda Plappert, Kim Kraus, Lutz Wollin

OA5364 Development of pulmonary fibrosis in conditional Nedd4-2 deficient mice
Dominik Leitz (Heidelberg, Germany), Julia Duerr, Dmytro Dvornikov, Magdalena Szczygiel, Philip Konietzke, Daniela Rotin, Marc Wielpütz, Hiroshi Kawabe, Michael Beers, Ursula Klingmüller, Marcus Mall

OA5365 Calcium-sensing receptor as a therapeutic target for pulmonary fibrosis
Kasope L. Wolffs (Cardiff, United Kingdom), Bethan Mansfield, Simon Scofield, Jeremy P. T. Ward, Christopher J. Corrigan, Y. S. Prakash, Paul J. K. Kemp, Daniela Riccardi

7.3M

Session 551

10:45 - 12:45

Oral presentation: Upper airways morphology and diagnostics, and the challenges associated with mandibular advancement

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Public health Imaging Physiology

Chairs : Johan Verbraecken (Edegem (Antwerp), Belgium), Esther Irene Schwarz (Zürich, Switzerland)

OA5366 Late Breaking Abstract - The effectiveness of NAS therapy for the treatment of mild to moderate OSAS
kengo ohtsuka (tokyo, Japan), Koichi Fukunaga, Rie Baba, Mizuha Haraguchi, Ryutaro Shirahama, Hiroshi Senoura, Naoki Miyao, Tomoko Betsuyaku

OA5367 The position of the mandible plays a key role for determining airflow during sleep .
Jean-Benoit Martinot (Namur, Belgium), Nhat-Nam Le-Dong, Boutheina Melki, Valerie Cuthbert, StéPhane Denison, Jean Christian Borel, Jean-Louis PéPin

OA5368 Ultrasonography of oropharynx and surrounding soft tissues as a screening tool for OSA
Dhruva Chaudhry (Rohtak (Haryana), India), Manjunath Govindagoudar, Jyotsna Sen, Neetu Jain, Mansi Gupta, Brijesh Prajapat, Debraj Jash

OA5369 How lateral airway tissues affect upper airway dimensions with mandibular advancement in obstructive sleep apnoea.
Liz Brown (Sydney (NSW), Australia), Lauriane Juge, Peter Burke, Kate Sutherland, Peter Cistulli, Lynne Bilston

OA5370 Evaluation of upper airway anthropometry by ultrasonography in obstructive sleep apnea patients
Manjunath Govindagoudar (Bagalkot (Karnataka), India), Dhruva Chaudhry, Jyotsna Sen, Neetu Jain, Debraj Jash, Brijesh Prajapat

OA5371 Spectral analysis of peri-pharyngeal muscles' EMG in patients with OSA and healthy subjects during wakefulness and sleep.
Arie Oliven (Haifa, Israel), Guy Cohen, Rom Oliven, Alan Schwartz

OA5372 Mandibular advancement therapy does not reduce inflammatory and metabolic biomarkers in patients with severe OSA: a randomized controlled trial
Wojciech Trzepizur (Angers CEDEX 9, France), Sylvain Recoquillon, Jean-Louis Pépin, Bruno Vielle, Vanessa Bironneau, Frédérique Chouet-Girard, Sandrine Launois, Nicole Meslier, Jean-Claude Meurice, Xuan-Lan Nguyen, Audrey Paris, Pascaline Priou, Renaud Tamisier, François Goupil, Bernard Fleury, Frédéric Gagnadoux

OA5373 Long-term objective compliance with a mandibular advancement device and continuous positive airway pressure in moderate obstructive sleep apnea
Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Johannes Claessen, Cornelis Stellingsma, Boudewijn Stegenga, Huib Kerstjens, Peter Wijkstra

7.30

Session 552

10:45 - 12:45

Oral presentation: Lung cancer: novel molecular markers and mechanisms

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Physiology Cell and molecular biology

Chairs : Anna Streubel (Berlin, Germany), Chair to be confirmed

LSC - 2018 - A requirement for mast cells in lung adenocarcinoma

Giannoula Ntaliarda (Patras, Greece), Ioannis Lilis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Vassilios Papaleonidopoulos (papaleonv@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Maria Oploupoiou (moplopoiou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rio), Sebastian Marwitz (smarwitz@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL), Borstel), Torsten Goldmann (tgoldmann@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL), Borstel), Vasiliki Bravou (vibra@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras, Rio), Georgios T. Stathopoulos (gstathop@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras, Rio)

OA5375

OA5376 TRAP1 downregulation could overcome gefitinib resistance in NSCLC via EMT reversal
Su Jin Oh (Iksan, Republic of Korea), Ki Eun Hwang, Eun Taik Jeong, Hak Ryul Kim

OA5377 ADAM28 deletion in mice impacts lung metastasis formation
Céline Hubeau (Liège, Belgium), Catherine Gerard, Oriane Carnet, Markus Moser, Agnes Noël, Didier Cataldo, Natacha Rocks

OA5378 NTHi-induced inflammation activates the PD-1 immune checkpoint in the tumor microenvironment
Christoph Beisswenger (Homburg (Saar), Germany), Felix Ritzmann, Giovanna Vella, Christian Herr, Robert Bals

OA5379 Inhibitory effects of mitochondrial TRAP1 on gefitinib-resistance in non-small lung cancer cells
Ki Eun Hwang (Iksan, Republic of Korea), Su Jin Oh, Eun Taik Jeong, Hak Ryul Kim

7.3P Session 553 10:45 - 12:45

Oral presentation: Eosinophils in airway disease

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Physiology Respiratory intensive care General respiratory patient care Cell and molecular biology

Chairs : Guy Brusselle (Ghent, Belgium), Péter Horváth (Budapest, Hungary)

OA5381 Late Breaking Abstract - Protection by budesonide against clinically important deteriorations (CID) in patients with COPD is dependent on blood eosinophil counts (EOS)
Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Dave Sing, Christine Jenkins, Stefan Peterson, Thomas Bengtsson, Malin Fagerås

OA5382 Blood eosinophilia (BE) and outcomes in patients with acute severe exacerbations of COPD (AECOPD)
Aung Kyaw Soe (Moscow, Russian Federation), Marina Semenovna Kevorkova, Galia Serikovna Nuralieva, Andrey Stanislavovich Belevskiy, Sergey Nikolaevich Avdeev, Alexander Grigorievich Chuchalin

OA5383 Peripheral eosinophils and mortality in COPD patients over nine years
Robson Aparecido Prudente (Botucatu (SP), Brazil), Carolina Mesquita, Renata Ferrari, Estefânia Franco, Suzana Tanni

OA5384 Relationship between blood eosinophil count and bronchial epithelial gene expression in COPD versus Asthma
Leena George (Leicester (Leicestershire), United Kingdom), John Riley, Adam Taylor, Stewart Bates, Scott Wagers, Anna Esteve-Codina, Maria Artigas, Stelios Pavlidis, Dave Singh, Kian Fan-Chung, Peter Sterk, Christopher Brightling

OA5385 Blood eosinophil count predicts severity of respiratory failure, death and future exacerbations in severe life-threatening asthma
Anthony Yii (Singapore, Singapore), Tunn Ren Tay, Ser Hon Pua, Hui Fang Lim, Andrew Li, Priscilla Lau, Rae-Ann Tan, Lay Ping Neo, Mariko Siyue Koh

OA5386 Increased IL5, IL8 and eosinophils in induced sputum of asthmatics with accelerated FEV1 decline
Mateja Marc Malovrh (Kranj, Slovenia), Luka Camlek, Sabina Skrgat, Manca Dezman, Izidor Kern, Peter Korosec

Persistent blood eosinophilia and COPD exacerbation risk after ICS withdrawal from triple therapy in the SUNSET study

OA5387 John R Hurst (London, United Kingdom), Konstantinos Kostikas, Kenneth R. Chapman, Stefan-Marian Frent, Michael Larbig, Robert Fogel, Tadhg Guerin, Donald Banerji, Francesco Patalano, Pankaj Goyal, Pascal Pfister, Jadwiga A. Wedzicha

Biomarker measurement in asthma patients receiving biologic therapy: a real-world retrospective study

OA5388 Nicola Hanania (Houston, United States of America), Juanzhi Fang, Lujia Zhou, Benjamin Ortiz, Abhishek Kavati, Xavier Jaumont, Luisa Alvares, Hui Cao

7.3L Session 554 10:45 - 12:45**Poster discussion: Endoscopic lung volume reduction**

Disease(s) : **Airway diseases** **Respiratory infections** **Respiratory infections**

Method(s) : General respiratory patient care Imaging Endoscopy and interventional pulmonology

Chairs : Dirk-Jan Slebos (Groningen, Netherlands), Konstantina Kontogianni (Heidelberg, Germany)

Long-term follow-up after endoscopic valve therapy in patients with severe emphysema

PA5389 Daniela Gompelmann (Heidelberg, Germany), Tobias Heinhold, Elena Bischoff, Ralf Eberhardt, Konstantina Kontogianni, Felix Jf Herth, Matthias Rötting

Influence of endoscopic lung volume reduction with valves on the pulmonary gas exchange

PA5390 Katharina Stiehl (Essen, Germany), Darwiche Kaid, Rüdiger Karpf-Wissel, Heinz Steveling, Christian Taube, Jane Winantea

Electromagnetic navigation bronchoscopy: parameters associated with a positive result

PA5391 OSCAR CLAVERIA GARCIA (pamplona, Spain), Jessica Gonzalez, Andres Blanco, Luis Seijo, Juan Berto, Javier J. Zulueta

Removal of diseased emphysematous tissue with bronchoscopic thermal vapor ablation (BTVA)

PA5392 Felix J.F. Herth (Heidelberg, Germany), Daniela Gompelmann, Arschang Valipour, Greg Snell, Christian Grah, Christian Witt, Peter Hopkins, Ralf Eberhardt, Pallav Shah

Quantitative CT Analysis for Fissure Completeness in Bronchoscopic Lung Volume Reduction

PA5393 Sei Won Lee (Seoul, Republic of Korea), So Youn Shin, Tae Sun Park, Sang Young Oh, Sang Min Lee

Five years outcome of Karakoca Resector Balloon dilatation and curettage method in Severe COPD (chronic obstructive pulmonary disease)

PA5394 Yalcin Karakoca (Istanbul, Turkey), Guler Gogus, Seha Akduman, Baykal Erturk

Computed Tomography Predictors of Pneumothorax and Hemoptysis after Endobronchial Valve Therapy for Emphysema

PA5395 Diogo Oliveira (Porto Alegre (RS), Brazil), Miranda Kirby, Joshua Schirm, Fabio Munhoz Svartman, Marcel Rodrigues, Pedro Grynblat, Hector Defranchi, Hugo Caballero Duran, Amarilio Viera Macedo Neto, Hugo Oliveira

The "Coil Associated Opacity" in endoscopic emphysema treatment. Friend or foe?

PA5396 Michael Perch (Gentofte, Denmark), Helle Hjort Johannesen, Anne-Marie Kanstrup Fiehn, Mette Siemsen, Jann Mortensen

Impact of radiological changes on treatment outcome following endoscopic lung volume reduction with coils (LVRC) in patients with advanced emphysema

PA5397 Konstantina Kontogianni (Heidelberg, Germany), Vasiliki Gerovasili, Ralf Eberhardt, Felix J.F. Herth, Claus Peter Heussel, Daniela Gompelmann

Efficacy and safety of bronchoscopic lung volume reduction (BLVR) modalities functioning independent of collateral ventilation in advanced emphysema: Systematic review and meta-analysis

PA5398 Naveen Dutt (Jodhpur (Rajasthan), India), Neeti Rustagi, Surjit Singh, Shashank Shekhar, Ashok Kuwal, Kirti Chaudhry, Richard Kirubakaran

Altered intercostal muscle structure following successful endobronchial lung volume reduction: a pilot study

PA5399 Peter Wallbridge (Melbourne (VIC), Australia), Mark Hew, Selina Parry, Gary Hammerschlag, Louis Irving, Daniel Steinfort

Endobronchial valves and spigots in a non-standard indication

PA5400 Hana Bartáková (Praha, Czech Republic), Juraj Simovic, Jiri Votruba

Changes in functional capacity after endoscopic lung volume reduction in patients with chronic obstructive lung disease and severe emphysema

PA5401 Thomas Berghaus (Augsburg, Germany), Fabian Geissenberger, Stefanie Bader, Christian Faul, Martin Schwaiblmaier

- PA5402** **Is bronchoscopic follow up useful after Bronchoscopic Lung Volume Reduction (BLVR) with endobronchial valves?**
Valentina Luzzi (Firenze (FI), Italy), Margherita Innocenti, Sofia Romani, Fausto Leoncini, Michela Bezzi
- PA5403** **Pneumothorax after Bronchoscopic Lung Volume Reduction with Endobronchial Valves(EBV-BLVR): Is there any correlation with number of valves?**
Valentina Luzzi (Firenze (FI), Italy), Mauro Novali, Michela Bezzi
- PA5404** **Fissure analysis with StratX software and Chartis system for bronchoscopic lung volume reduction (BLVR) with valves**
Valentina Luzzi (Firenze (FI), Italy), Margherita Innocenti, Fausto Leoncini, Michela Bezzi
- PA5405** **Reasons for not receiving interventional therapy in patients with severe emphysema**
Markus Polke (Heidelberg, Germany), Matthias Roetting, Nilab Sarmand, Ralf Eberhardt, Felix Herth, Daniela Gompelmann
- PA5406** **Physical activity in patients with endoscopic lung volume reduction measured with a SenseWear Armband**
Lea Schotten (Essen, Germany), Filiz Oezkan, Birte Schwarz, Jane Winantea, Christian Taube, Kaid Darwiche

Terminal 7

Session 555

10:45 - 12:45

Oral presentation: Hot topics in non-invasive ventilation

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory critical care Respiratory infections Respiratory infections

Method(s) : Physiology Respiratory intensive care General respiratory patient care

Chairs : Marieke L. Duiverman (Groningen, Netherlands), João Carlos Winck (Vila Nova de Gaia, Portugal)

- OA5407** **Late Breaking Abstract - Exhaled air dispersion during application of CPAP via nasal pillows and oronasal mask versus high flow nasal cannula therapy**
David Shu Cheong Hui (Shatin, Hong Kong), Benny Chow, Matthew Chan
- OA5408** **Approaching the Non Invasive Ventilation (NIV) in Amyotrophic Lateral Sclerosis (ALS) at home: a Randomized Controlled Trial**
Eleonora Volpato (Milano (MI), Italy), Salvatore D'Ascenzo, Alessandra Montini, Mara Paneroni, Silvia Grilli, Michele Vitacca, Paolo Banfi
- OA5409** **The implementation of a psychological support during the adaptation to Non Invasive Ventilation (NIV) in Chronic Obstructive Pulmonary Disease (COPD): a Randomized Controlled Trial**
Eleonora Volpato (Milano (MI), Italy), Francesco Pagnini, Paolo Banfi
- OA5410** **A multicenter randomized trial for the effectiveness of structured discharge and follow-up protocol on readmission rate in COPD patients receiving LTOT/NIV: one-year interim analysis.**
Begüm Ergun (Izmir, Turkey), Tugba Goktalay, Pinar Ergun, Dicle Yilmaz, Birsen Ocakli, Alev Gurgun, Nilgun Demirci, Fatih Elverisli, Elif Yilmazer Ucar, Ali Durmaz, Asli Gorek Dilektasli, Emine Aksoy, Funda Elmas, Nurdan Kokturk, Fuat Aytakin, Metin Akgun, Ezgi Ozyilmaz, Ezgi Demirdogen Cetinoglu, Eylem Acarturk Tuncay, Sezai Tasbakan, Oner Balbay, Ahmet Ugur Demir, Recai Ergun, Sema Savci, Zuhul Karakurt, Banu Ekinci, Bilun Gemicioğlu, Arzu Yorgancıoğlu
- OA5411** **Dexmedetomidine for sedation during noninvasive ventilation in acute respiratory syndrome patients**
Kateryna Bielka (Kyiv, Ukraine), Iurii Kuchyn
- OA5412** **Patient attitudes toward a handheld non-invasive ventilator to relieve breathlessness.**
Nicholas Lane (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Tom Hartley, Victoria Ferguson, Nikolaos Chynkiamis, K Gray, Ioannis Vogiatzis, Stephen Bourke
- OA5413** **Respiratory Physiology-oriented High-intensity Non-invasive Ventilation**
Lili Guan (Guangzhou, China), Luqian Zhou, Rongchang Chen
- OA5414** **Long term positive airway pressure effectiveness in obesity hypoventilation syndrome. Pickwick study results**
M^a Angeles Sanchez Quiroga (Plasencia, Spain), Babak Mokhlesi, Jaime Corral Peñafiel, Maria Luz Alonso Alvarez, Estrella Ordax Carbajo, Maria Fernanda Troncoso Acevedo, Monica Gonzalez Martinez, Soledad Lopez Martin, Jose Maria Marin Trigo, Sergi Marti, Trinidad Diaz Cambriles, Eusebi Chiner Vives, Felipe Esteban Aizpuru Barandiaran, Carlos Javier Egea Santaolalla, Juan Fernando Masa Jimenez

7.2A

Session 556

10:45 - 12:45

Poster discussion: Exploring the importance of daily physical activity in chronic respiratory disease

Disease(s) : Airway diseases Respiratory infections Sleep and breathing disorders Interstitial lung diseases Respiratory infections

Method(s) : Epidemiology Public health General respiratory patient care

Chairs : Heleen Demeyer (Leuven, Belgium), Stephanie K. Mansell (Guildford (Surrey), United Kingdom)

- PA5415** **Factors associated with daily life physical activity in patients with asthma**
Patricia Duarte Freitas (São Paulo (SP), Brazil), Simone T C Da Silva, Rafaella F Xavier, Regina M Carvalho-Pinto, Rafael Stelmach, Alberto Cukier, Milton A Martins, Celso R F Carvalho
-
- PA5416** **Identification of asthma phenotypes using cluster analysis**
Patricia Duarte Freitas (São Paulo (SP), Brazil), Rafaella F Xavier, Simone T C Da Silva, Regina M Carvalho-Pinto, Rafael Stelmach, Alberto Cukier, Milton A Martins, Celso R F Carvalho
-
- PA5417** **Previous physical activity level as a predictor of cognitive and emotional status during acute exacerbation of COPD**
Irene Torres Sanchez (Santa Fe, Spain), Maria Granados Santiago, Ramón Romero-Fernández, Marie Carmen Valenza, Janet Rodriguez-Torres, Laura López-López
-
- PA5418** **Impact of physical activity level on symptomatology and functionality during an acute exacerbation in COPD patients.**
Laura Lopez Lopez (Granada, Spain), Silvia Merlos Navarro, Ramón Romero Fernández, María Granados Santiago, Janet Remedios Rodriguez Torres, Irene Torres Sánchez
-
- PA5419** **Influence of physical activity, sedentary behaviour, body composition and skeletal muscle force to identify phenotypes in COPD patients: a 12 months follow-up**
Rafaella Xavier (São Paulo (SP), Brazil), Aline Lopes, Ana Carolina Caporali, Rafael Stelmach, Frederico Fernandes, Regina Carvalho, Alberto Cukier, Ercy Ramos, Celso Carvalho
-
- PA5420** **Using physical capacity to classify inactivity in COPD**
Susan Lassche (Groesbeek, Netherlands), Jeannette Peters, Hanneke Van Helvoort, Alex Van 'T Hul, Jeroen Van Hees
-
- PA5421** **Identifying inconsistencies in intervention descriptors and outcome reporting within systematic reviews of physical activity interventions in COPD**
Hayley Lewthwaite (Adelaide (SA), Australia), Tanja W Effing, Tim Olds, Marie T Williams
-
- PA5422** **Sedentary behaviour in an Australian cohort of people with COPD**
Sonia Cheng (Sydney (NSW), Australia), Zoe Mckeough, Jennifer Alison, Sarah Dennis, Emmanuel Stamatakis
-
- PA5423** **Effect of short-form, sun-style tai chi on physical activity in people with COPD**
Sonia Cheng (Sydney (NSW), Australia), Zoe McKeough, Regina Leung, Sally Wootton, Jennifer Alison
-
- PA5424** **Can do' versus 'do do': a novel concept in patients with COPD**
Noortje Koolen (Nijmegen, Netherlands), Jeroen Van Hees, Rob Van Lummel, Richard Dekhuijzen, Remco Djamin, Martijn Spruit, Alex Van 'T Hul
-
- PA5425** **Classification Decision Tree models to understanding subjects with COPD physical activity profiles: Preliminary results**
Antenor Rodrigues (Londrina (PR), Brazil), Luiz Antonio Lima Rodrigues, Lorena Paltain Schneider, Felipe Vilaça Cavalari Machado, Leticia Belo, Thais Paes, Karina Couto Furlanetto, Carlos Augusto Camillo, Nidia Aparecida Hernandes, Fabio Pitta
-
- PA5426** **Clinical characteristics, physical function, physical activity and their associations with body composition phenotypes in patients with COPD.**
Felipe Machado (Londrina (PR), Brazil), Lorena Schneider, Jéssica Fonseca, Letícia Fernades, Camila Bonomo, Andrea Morita, Antenor Rodrigues, Karina Furlanetto, Josiane Felcar, Frits Franssen, Martijn Spruit, Fabio Pitta, Nidia Hernandes
-
- PA5427** **Is physical activity equally reduced in patients with respiratory disease? – Preliminary results**
Humberto Silva (Londrina, Brazil), Wagner F Aguiar, Aline F L Gonçalves, Thatielle G Silva, Walter A S Loyola, Paulo S Pereira, Antenor Rodrigues, Vanessa S Probst, Fabio Pitta, Carlos A Camillo
-
- PA5428** **Nocturnal sleep and daytime physical activity in patients with ILD: Preliminary results**
Wagner F Aguiar (Londrina, Brazil), Humberto Silva, Thatielle G Silva, Aline F L Gonçalves, Walter A Sepúlveda, Paulo S Pereira, Vanessa S Probst, Fabio Pitta, Carlo A Camillo
-
- PA5429** **Physical activity in cystic fibrosis related diabetes**
Narelle Cox (Melbourne (VIC), Australia), Anne Holland, Jennifer Alison, Tiffany Dwyer
-
- PA5430** **Longitudinal assessment of physical activity: a methodological approach.**
Astrid Blondeel (Leuven, Belgium), Heleen Demeyer, Matthias Loeckx, Fernanda Machiado Rodrigues, Wim Janssens, Thierry Troosters

7.2B **Session 557** **10:45 - 12:45**

Poster discussion: New developments in paediatric asthma

Disease(s) : Airway diseases Respiratory critical care Respiratory infections Respiratory infections

Method(s) : Public health Physiology Respiratory intensive care Epidemiology Cell and molecular biology General respiratory patient care

Chairs : Rebeca Mozún Torrico (Bern, Switzerland)

- PA5432 Whole-genome sequencing of Costa Rican children with asthma identifies CRISPLD2 as a candidate gene for lung function**
Bo Chawes (Brønshøj, Denmark), Julian Hecker, Christoph Lange, Scott Weiss, Jessica Lasky-Su
-
- PA5433 Cord blood eosinophils and Type 2 Innate lymphoid cells are correlated in infants born to mothers with asthma during pregnancy**
Gabriela Martins Costa Gomes (Newcastle (NSW), Australia), Patricia De Gouveia Belinelo, Malcolm R. Starkey, Kathryn Jesson, Phil M. Hansbro, Vanessa E. Murphy, Kate Hardaker, Paul D. Robinson, Peter D. Sly, Peter G. Gibson, Joerg Mattes, Adam M. Collison
-
- PA5434 MicroRNA-133a alleviates airway remodeling in asthma through PI3K/AKT/mTOR signaling pathway by targeting IGF1R**
Changchong Li (Wenzhou (Zhejiang), China), Youyou Shao, Xiaoguang Hu, Hailin Zhang, Lei Chong, Haiyan Li, Lili Zhu, Qiuping Wu
-
- PA5435 Topological data analysis (TDA) of U-BIOPRED paediatric peripheral blood gene expression identified asthma phenotypes characterised by alternative splicing of glucocorticoid receptor (GR) mRNA**
Karen Affleck (Herts, United Kingdom), James P. R. Schofield, Jeanette Bigler, Michael Boedigheimer, Adam Taylor, Stelios Pavlidis, John H Riley, Fabio Strazzeri, Graham Roberts, Joost Brandsma, Aruna Bansal, Ben Nicholas, Yang Xian, Anthony Rowe, Julie Corfield, Susan Wilson, Jonathan Ward, Rene Lutter, Louise Fleming, Dominick Shaw, Bakke Per, Massimo Caruso, Sven-Erik Dahlen, Stephen Fowler, Simone Hashimoto, Ildiko Horvath, Peter Howarth, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandstrom, Florian Singer, Kai Sun, Ioannis Pandis, Charles Auffray, Bertrand De Meulder, Diane Lefaudeux, Richard Knowles, Neil Fitch, Ana Sousa, Ian Adcock, Kian Fan Chung, Peter Sterk, Paul Skipp, Ratko Djukanovic
-
- PA5436 Weighted Gene Co-expression Network Analysis of blood paediatric samples from the U-BIOPRED study identifies oxidative stress association with asthma severity**
Stelios Pavlidis (London, United Kingdom), Yike Guo, Kai Sun, Bertrand De Meulder, John Riley, Karen Affleck, Adam Taylor, James Schofield, Anthony Rowe, Matthew Loza, Frederic Baribaud, Ioannis Pandis, Ana Sousa, Julie Corfield, Richard Knowles, Ratko Djukanovic, Charles Auffray, Peter J. Sterk, Ian Adcock, Fan Chung, Simone Hashimoto, Louise Fleming, Graham Roberts
-
- PA5437 Phenotype-endotype in very severe preschool wheezers: The P'titAsthme cohort**
Michael Fayon (Bordeaux, France), Valérie Siao, Stéphane Blanchon, Hugues Begueret, Antoine Benard, Patrick Berger
-
- PA5438 Distinguishing wheezing phenotypes in childhood: a pooled analysis of five birth cohorts**
Ceyda Oksel (London, United Kingdom), Raquel Granell, John Henderson, Adnan Custovic
-
- PA5439 Incidence and risk factors of pediatric asthma exacerbations in a multinational, multidatabase cohort study**
Esmé J. Baan (Rotterdam, Netherlands), Maria De Ridder, Marjolein Engelkes, Elisabeth Svensson, Daniel Prieto-Alhambra, Francesco Lapi, Carlo Giaquinto, Gino Picelli, Frank Albers, Lee Evitt, Eric Bradford, Melissa K Van Dyke, Peter Rijnbeek, Miriam Sturkenboom, Hettie M Janssens, Katia M C Verhamme
-
- PA5440 Are episodic viral wheeze and multiple-trigger wheeze distinct and constant patterns?**
Maud Raaymakers (Breda, Netherlands), Paul Brand, Marielle Pijnenburg, Anja Vaessen-Verberne
-
- PA5441 Correlation between RINT values and echocardiographic indices in pre-school children with chronic cough and wheezing.**
Giuseppe Fabio Parisi (Catania (CT), Italy), Sara Manti, Valentina Giacchi, Pietro Sciacca, Lucia Tardino, Caterina Cuppari, Carmelo Salpietro, Ashish Chikermane, Salvatore Leonardi
-
- PA5442 Particles in exhaled air (PExA) in assessment of asthma in children**
Maria Juusela (Espoo, Finland), Kristiina Malmström, Venla Aaltonen, Seppo Sarna, Erik Qvist
-
- PA5443 ReCIVA breath sampling in pediatric asthma: a feasibility study**
Karl Holden (Leicester (Leicestershire), United Kingdom), Teresa McNally, Dahlia Salman, Caroline Beardsmore, Wadah Ibrahim, Chris Brightling, Salman Siddiqui, Paul Thomas, Erol Gaillard
-
- PA5444 Asthma reviews in primary care which include spirometry lead to improved asthma control in children**
David Lo (Rothley, United Kingdom), Lesley Danvers, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard
-
- PA5445 Design and development of a simulation game for parents of preschool children with asthma: an evidence-based approach.**
David Drummond (Paris, France), Antoine Tesniere, Alice Hadchouel

PA5446 **Substitution of outpatient care in asthmatic children by online monitoring: Barriers and facilitators for implementation**
Lara S. van den Wijngaart (Nijmegen, Netherlands), Wytse W. Geense, Annemie L.M. Boehmer, Marianne L. Brouwer, Cindy A.C. Hugten, Bart E. Van Ewijk, Mariejose Koenen, Anneke M. Landstra, Laetitia E.M. Niers, Lonkeke Van Onzenoort, Mark D. Ottink, Eleonora R.V.M. Rijkers-Mutsaerts, Iris Groothuis, Anja A. Vaessen-Verberne, Jolt Roukema, Peter J.F.M. Merkus

PA5447 **Mepolizumab for severe eosinophilic asthma: a comparison of efficacy in children, adolescents, and adults**
Atul Gupta (London, United Kingdom), Jonathan Steinfeld, Robert Price, Jay Azmi, Eric Bradford, Steven Yancey

PA5448 **Effects of increased ventilation in homes of asthmatic, house dust mite allergic children: A randomised controlled trial**
Nina Viskum Hogaard (Skodstrup, Denmark), Torben Sigsgaard, Susanne Halten, Lone Agertoft, Thomas Houmann Petersen, Niels Küchen, Lars Bo Gunnarsen, Barbara Kolarik, Nadja Lyng, Michal Spilak, Marie Frederiksen, Sune Leisgaard Mørck Rubak

7.2C Session 558 10:45 - 12:45

Poster discussion: New therapies for respiratory infections: experimental and translational studies

Disease(s) : **Respiratory infections** **Respiratory critical care** **Airway diseases** **Respiratory infections**

Method(s) : Physiology **Respiratory intensive care** **General respiratory patient care** **Cell and molecular biology**

Chairs : Martin Witzernath (Berlin, Germany), Anand Shah (London, United Kingdom)

PA5449 **Late Breaking Abstract - Efficient replication of respiratory syncytial virus induces a decrease of mucociliary clearance in human small airway 3D culture**
Paul Alouani (Plan les Ouates, Switzerland), Song Huang, Bernadett Boda, Rosy Bonfante, Jimmy Vernaz, Samuel Constant

PA5450 **Late Breaking Abstract - Multidimensional genomic mapping reveals the pathophysiology of Mycobacterium abscessus**
Lucas Boeck (Fulbourn (Cambridgeshire), United Kingdom), Marcin Skwark, Will Pearson, Sophie Burbaud, Jasper Sangen, Sony Malhotra, Josie Bryant, Tom L Blundell, Marc Dionne, Julian Parkhill, Andres Floto

PA5451 **Airway administration of therapeutic antibody (tAb) confers higher protection than parenteral administration in a murine model of acute lung infection**
Thomas Secher (Tours, France), Emilie Dalonneau, Christelle Parent, Nathalie Heuzé-Vourc'H

PA5452 **EPs@7630 reduced Rhinovirus bronchial epithelial cell infection and modified host defence systems**
Michael Roth (Basel, Switzerland), Lei Fang, Daiana Stolz, Michael Tamm

PA5453 **Therapeutic intratracheal phage application against Acinetobacter baumannii lung infection in mice**
Sandra-Maria Wienhold (Berlin, Germany), Markus Brack, Geraldine Nouailles, Claudius Seitz, Anton Ross, Holger Ziehr, Kristina Dietert, Corinne Gurtner, Olivia Kershaw, Achim Dieter Gruber, Manfred Rohde, Norbert Suttrop, Christine Rohde, Martin Witzernath

PA5454 **Intrapulmonary pharmacokinetics of laninamivir in healthy subjects: Comparison between a nebulizer and a dry powder inhaler**
Kaoru Toyama (Tokyo, Japan), Hitoshi Ishizuka, Hidetoshi Furuie

PA5455 **Streptococcus pneumoniae inhibits Pseudomonas aeruginosa growth on nasal human epithelium in vitro**
Song Huang (Plan les ouates, Switzerland), Carole Bertinetti, Ophélie Verbeke, Mireille Caul-Futy, Paul Alouani, Ludovic Wiszniewski, Samuel Constant

PA5456 **The biological effect of intrapleural tissue plasminogen (tPA) activator and DNase delivery in pleural infection patients.**
Nikolaos Kanellakis (Patras, Greece), John Wrightson, Rob Hallifax, Rachel Mercer, Maged Fayed, Rachele Asciak, Ioannis Psallidas, Najib Rahman

PA5457 **Telavancin vs. linezolid in an animal model of severe MRSA pneumonia**
Denise Battaglini (Genova, Italy), Gianluigi Li Bassi, Francesco Pagliara, Andrea Meli, Hua Yang, Minlan Yang, Ana Motos, Joaquim Bobi, Elisabet Aguilera, Tarek Senussi, John Miller, Laia Fernandez, Enric Barbeta Viñas, Antoni Torres

PA5458 **Experimental investigation of pulmonary Aspergillus infection in type 1 diabetes**
Yao Ye (Shenyang, China), Wenyang Li, Wei Wang

PA5459 **MAIT cells contribute to a protective antiviral innate response to influenza infection**
Timothy Hinks (Oxford, United Kingdom), Bonnie Van Wilgenburg, Liyen Loh, Zhenjun Chen, Troi Pediongco, Huimeng Wang, Mai Shi, Zhe Zhao, Marios Koutsakos, Simone Nussing, Sneha Sant, Zhongfang Wang, Criselle D'Souza, Catarina Almeida, Patrick Reading, Alexandra Corbett, James Mccluskey, Paul Klenerman, Katherine Kedzierska

- PA5460 Heat-killed *Staphylococcus aureus*-induced lung injury related to necroptosis is inhibited by toll-like receptor-2**
Changchong Li (Wenzhou (Zhejiang), China), Shun-Hang Wen, Xiaoguang Hu
-
- PA5461 Tolerability of anti-infective N-chlortaurine inhaled with a smart-nebuliser**
Bernhard Müllinger (Gauting, Germany), Roland Arnitz, Markus Stein, Petra Bauer, Barbara Lanthaler, Herbert Jamnig, Sabine Scholl-Bürgi, Katharina Stempfl-Al-Jazrawi, Hanno Ulmer, Bernhard Baumgartner, Sabine Embacher, Simon Geisler, Johanna Gostner, Beate Kälz, Markus Nagl
-
- PA5462 The role of CARD9 in *Pneumocystis* host defense**
June Chae (Rochester, United States of America), Vijayalakshmi Nandakumar, Deanne Hebrink, Theodore Kottom, Andrew Limper
-
- PA5463 High-dose nitric oxide as a potential new therapeutic agent against *Mycobacterium abscessus*.**
Abdi Ghaffari (Kingston (ON), Canada), Joas Lucas Da Silva, Kristijan Bogdanovski, Adrian M. Zelazny, Kenneth N Olivier
-
- PA5464 Pattern of self-reported (cough focus) symptoms across several respiratory virus- human challenge studies**
Alan Bell (Hertfordshire, United Kingdom), Michael Ghebre, Graham Clarke, Rob Lambkin Williams, Andrew Catchpole, Nicolas Noulin
-
- PA5465 Impact of age and gender on efficacy and safety of omadacycline (OMC) vs. moxifloxacin (MOX) in community-acquired bacterial pneumonia (CABP)**
Julio Ramirez (Louisville, United States of America), Lynne Garrity-Ryan, Surya Chitra, Courtney Kirsch, Amy Manley, Evan Tzanis, Paul C. McGovern

7.2D Session 559 10:45 - 12:45

Poster discussion: Biomarkers of COPD and asthma-COPD overlap syndrome (ACOS)

Disease(s) : [Airway diseases](#) [Thoracic oncology](#)

Method(s) : Physiology Imaging Cell and molecular biology General respiratory patient care

Chairs : Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Eric D. Bateman (Cape Town, South Africa)

- PA5466 Blood eosinophilia in patients with COPD, a real life evaluation**
Margarida Baptista Duarte Barata (Lisboa, Portugal), Teresa Martín, Ricardo Gomes, Helena Grumete, Fernando Menezes, José Duarte
-
- PA5467 Relationship between blood eosinophil levels and severity of COPD**
Ahmed Ben Saad (Monastir, Tunisia), Rim Khemakhem, Saousen Cheikh Mhamed, Nesrine Fahem, Asma Migaou, Samah Joobeur, Naceur Rouatbi
-
- PA5468 Overlapping biologic exacerbation clusters in asthma and chronic obstructive pulmonary disease have distinct sputum mediator and microbiome profiles**
Sarah Diver (Stockport (Cheshire), United Kingdom), Michael Ghebre, Pee Hwee Pang, Dhananjay Desai, Mona Bafadhel, Koirobi Haldar, Tatiana Kebabze, Suzanne Cohen, Paul Newbold, Laura Rapley, Joanne Woods, Paul Rugman, Ian Pavord, Sebastian Johnston, Michael Barer, Richard May, Christopher Brightling
-
- PA5469 10-year follow-up of hospitalised COPD-patients: Comorbidities, mortality and cause of death**
Terttu Harju (Oulu, Finland), Lotta Peltonen, Heikki Pätsi, Risto Bloigu
-
- PA5470 Increased urinary l-histidine in patients with asthma-chronic obstructive pulmonary disease overlap**
Jae Jeong Shim (Seoul, Republic of Korea), Jee Youn Oh, Juwhan Choi, Young Seok Lee, Kyung Hoon Min, Gyu Young Hur, Sung Yong Lee, Kyung Ho Kang
-
- PA5471 GC MS based untargeted metabolomics for understanding the pathophysiology of asthma COPD overlap (ACO)**
Nilanjana Ghosh (Kharagpur (West Bengal), India), Sivakumar Raju Rathnakaram, Sandeep R. Kaushik, Rakesh Arya, Ranjan Nanda, Parthasarathi Bhattacharyya, Sushmita Roy Chowdhury, Rintu Banerjee, Koel Chaudhury
-
- PA5472 Identifying asthma features in severe COPD**
Sandhya Matthes (München, Germany), Jakob Stadler, Jürgen Barton, Heidrun Villena-Hermoza, Marion Frankenberger, Nikolaus Kneidinger, Katrin Milger, Phillip Probst, Gabriela Leuschner, Dieter Muncker, Paola Arnold, Andrea Koch, Jürgen Behr, Claus Neurohr
-
- PA5473 The expression of histone deacetylase 2 (HDAC2), phosphoinositide-3 kinase d (PI3Kd), and glucocorticoid receptor (GR) isoforms α , β in subtypes of asthma-COPD overlap (ACO).**
Elena Vsevolodskaja (St. Petersburg, Russian Federation), Zhanna Mironova, Anna Ulitina, Vasily Trofimov, Sophia Pchelina

- PA5474 Factors associated with increased risk of death in COPD and COPD-asthma overlap (OV)**
Vasiliy Belash (St. Petersburg, Russian Federation), Anastasia Tikchonova, Zhanna Mironova, Vasiliy Trofimov, Mikhail Zaraiski, Aleksey Sazanov, Anna Ulitina
- PA5475 Comparing the different diagnostic criteria of Asthma and COPD overlap**
Yong Suk Jo (Seoul, Republic of Korea), Min Hye Kang, Jeong Mi Lee, Seoung Woo Han, Chin Kook Rhee
- PA5476 “Asthma-like features” in Chronic Obstructive Pulmonary Disease (COPD) patients**
M. L. E. Bartoli (Pisa (PI), Italy), Marta Daniele, Dario Nieri, Maria Adelaide Roggi, Matteo Bradicich, Roberta Del Cesta, Cristina Cardini, Silvana Cianchetti, Barbara Vagaggini, Pierluigi Paggiaro
- PA5477 Stability of the eosinophilic phenotype in stable and exacerbated COPD**
Desiree Schumann (Basel, Switzerland), Michael Tamm, Kostantinos Kostikas, Daiana Stolz
- PA5478 Stability of blood eosinophilia and neutrophil-to-lymphocyte ratio in COPD**
Yağmur Kaptan (İZMİR, Turkey), Aslı Suner, Alev Gürgün, Abdullah Sayiner
- PA5479 Serum Club cell16 levels as a biomarker in tobacco-smoke COPD and biomass-smoke COPD**
Vivek Vardhan Veerapaneni (Hyderabad (Telangana), India), Jayaraj Bs, Chaya S.K, Lokesh K.S, Kiran Kumar Sivakoti, Rajeshkumar Tirumulappa, Mahesh P.A
- PA5480 Interleukin-26 in airway morbidities of long-term tobacco smokers**
Karlhans Che (Stockholm, Sweden), Ellen Tufvesson, Sara Tengvall, Elisa Lappi-Blanco, Riitta Kaarteenaho, Bettina Levanen, Marie Ekberg, Annelie Brauner, Åsa M. Wheelock, Leif Bjermer, Magnus C. SköLd, Anders Lindén
- PA5481 Bronchial fibrocyte accumulation in COPD patients**
Patrick Berger (Bordeaux, France), Isabelle Dupin, Matthieu Thumerel, Elise Maurat, Florence Coste, Hugues Begueret, Thomas Trian, Michel Montaudon, Roger Marthan, Pierre-Olivier Girodet
- PA5482 Predictive value of multiorgan imaging biomarkers for predicting exacerbations in COPD patients**
Julien COHEN (GRENOBLE CEDEX 9, France), Gilbert Ferretti, Renaud Tamisier, Meriem Benmerad, Sébastien Bailly, Cevdet Ozcelik, Emilie Reymond, Sam Bayat, Jean Louis Pépin

7.3J

Session 560

10:45 - 12:45

Poster discussion: Determinants and monitoring of asthma control

Disease(s) : [Airway diseases](#) [Respiratory critical care](#)

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology

Chairs : Szymon Skoczy ski (Katowice, Poland), Subhabrata Moitra (Barcelona, Spain)

- PA5483 Comparable efficacy of calcilytic and corticosteroid in short-term and long-term allergic asthma models in vivo**
Daniela Riccardi (Cardiff, United Kingdom), Ping Huang, Polina Yarova, Martin Schepelmann, Emma J Kidd, William R Ford, Kenneth J Broadley, Christopher J Corrigan, Jeremy Pt Ward, Paul J Kemp
- PA5484 A practical guide for interpretation of ERS guidelines for methacholine challenge test (MCT)**
Jason Suggett (London (ON), Canada), Mark Nagel
- PA5485 The research of cooperativity of patients with asthma**
Juliya M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Larisa V. Bogovin, Helena I. Karapetian, Anastasia S. Shabanova
- PA5486 Role of Aspergillus infection in uncontrolled Asthma**
Sami Eldahdouh (Shebin Elkom, Egypt)
- PA5487 Valved holding chamber (VHC) angle can affect pressurized metered-dose inhaler (pMDI) medication delivery efficiency**
Jason Suggett (London (ON), Canada), Mark Nagel, Val Avvakoumova, Jolyon Mitchell
- PA5488 The changes of asthma control and management, patients' perception for the past decade in China**
Jiangtao Lin (Beijing, China), Wenqiao Wang, Xin Zhou, Kaisheng Yin, Chuntao Liu, Changzheng Wang, Mao Huang, Ping Chen, Shaoxi Cai, Changgui Wu, Yadong Yuan, Jing Li, Qichang Lin, Jiangying Zhou, Huiguo Liu, Yuhai Gu, Xingang Huang, Dejun Sun, Xiaohong Yang, Lan Yang, Jianmin Huo, Zhuochang Chen, Wei Zhou, Ping Jiang, Huaping Tang, Rongyu Liu, Wei Zhang, Yiqiang Chen, Yijiang Huang, Xiaoju Liu, Luming Dai, Xianwei Ye, Chengping Hu, Jianying Xu
- PA5489 Deep learning facilitates the diagnosis of adult asthma**
Katsuyuki Tomita (Yonoga, Japan), Hirokazu Touge, Hiromitsu Sakai, Hiroyuki Sano, Yuji Tohda

- PA5490** **Quantitative assessment of hyposalivation and the risk of oropharyngeal problems in asthmatic patients**
Setsuko Koshiyama (kyoto city, Japan), Kayoko Ito, Daiki Hira, Yuko Komase, Susumu Satoh
-
- PA5491** **Perceived satisfaction when using an app designed to improve control in moderate-severe asthma patients.**
Sonia Herrero Martin (Pamplona (Navarra), Spain), Francisco Javier Campano Lancharro, Tamara Gutiérrez Urra, Ruth García Rey, Marisol Gómez Fernández, Alberto Cuesta Remón, Javier Hueto Pérez De Heredia, Pilar Cebollero Rivas
-
- PA5492** **Severe asthma and high doses of corticosteroid adversely impact trabecular bone score more than bone mineral density**
Young-Min Ye (Suwon, Republic of Korea), Yong Jun Choi, Hyun-Young Lee, Duk Yong Yoon, An-Hye Kim, Hae-Sim Park
-
- PA5493** **Asthma patients are Still Fighting for Breath**
Paraskevi Katsaounou (Athens, Greece), Mikaela Odemyr, Otto Spranger, Michael E. Hyland, Matthias Gasser, Ioannis Kottakis, Xavier Jaumont, Ismail Kasujej
-
- PA5494** **Impact of bronchiectasis on severe asthma: data from the “Severe Asthma Network Italy” (SANI) registry**
Enrico Marco Heffler (Torino (TO), Italy), Stefano Aliberti, Concetta Sirena, Alice D'Adda, Sebastian Ferri, Nunzio Crimi, Manuela Latorre, Gianenrico Senna, Pierluigi Paggiaro, Francesco Blasi, Giorgio Walter Canonica
-
- PA5495** **Are elderly and aged asthma different diseases? Results of a multicenter study**
Bilun Gemicioglu (Istanbul, Turkey), Ebru Celebioglu, Ozge Ozturk Aktas , Nafiye Yilmaz , Fulsen Bozkus, Vehbi Ayhan , Fusun Kalpaklioglu, Ferda Oner Erkekol , Yavuz Havlucu , Fuat Erel, Omur Aydin , Aydanur Ekici, Ayse Baccioglu, Serap Argun Baris , Gozde Koycu Buhari, Berrin Ceyhan, Ozlem Goksel , Mehmet Kose , Adile Berna Dursun , Fusun Yildiz, Arzu Yorgancioglu , Sacide Rana Isik , Dane Ediger , Ipek Kivilcim Oguzulgen , Gul Karakaya, Ali Fuat Kalyoncu
-
- PA5496** **Club Cell Protein-16 modifies airway inflammation in asthma and is associated with significant clinical asthma outcomes**
Monica Kraft (Tucson, United States of America), Julie Ledford, Justyna Gozdz, Xingan Li, David Francisco, Akarsh Manne, Stefano Guerra, Fernando Martinez, Naftali Kaminski, Sally Wenzel, Deborah Meyers, Eugene Bleecker
-
- PA5497** **FASE-CPHG Study: Identification of asthma phenotypes in the French Severe Asthma Study using cluster analysis**
Chantal Raheison-Semjen (Pessac, France), Anne Prudhomme, Cecilia Nocent-Eijnani, Jean-Philippe Oster, Cyril Maurer, Daniel Coetmoeur, Bertrand Lemaire , Toufik Didi, Eric Parrat, Didier Debievre, Laurent Portel
-
- PA5498** **Usefulness of a new JACS questionnaire in assessing the influence of inhalation guidance on asthma control level; comparison of 4 different devices of ICS/LABA**
Hiroshi Tanaka (Sapporo, Japan), Soichiro Hozawa, Yuji Tohda
-
- PA5499** **The cost and benefits of exhaled nitric oxide (NO) measurement in asthma - The results from three years follow-up study**
Sy Duong-Quy (Da Lat, Vietnam), Nhu Doan-Thi-Quynh, Dinh Tran-Thanh, Thong Hua-Huy, Craig Timothy, Anh-Tuan Dinh-Xuan
-
- PA5500** **Predictors of severe exacerbations in patients with moderate and severe asthma**
Denitsa Dimitrova (Sofia, Bulgaria), Vania Youroukova, Tsvetelina Velikova, Kalina Tumangelova-Yuzeir

World Village Theatre	Session 63	09:00 - 09:30
Session world village: Polish Respiratory Society in 2018 - aims and achievements		
09:00	Szymon Skoczylski (Katowice, Poland)	438
World Village Theatre	Session 64	09:45 - 10:15
Session world village: Opening Ceremony		
09:45		439
World Village Theatre	Session 65	10:30 - 11:00
Session world village: The Lebanese Pulmonary Society: yesterday, today and tomorrow		
10:30		440
World Village Theatre	Session 89	11:15 - 11:45
Session world village: European Society for Swallowing Disorders (ESSD) - our mission		
11:15		642
World Village Theatre	Session 90	12:00 - 12:30
Session world village: Russian Respiratory Society and its role in clinical practice guidelines implementation		
12:00	Zaurbek Aisanov (Moscow, Russian Federation)	643
World Village Theatre	Session 92	12:45 - 13:15
Session world village: Updating The Joint Paper "The Clinical and Integrated Management of COPD in Italy"- The Project		
Chairs : Stefano Gasparini (Ancona (AN), Italy)		
12:45	Carlo Mereu (Genova (GE), Italy), Claudio Micheletto (S.Giovanni Lupatoto, Italy), Stefano Centanni (Milano (MI), Italy), Venerino Poletti (Forlì, Italy), Stefano Nardini (Vittorio Veneto (TV), Italy), Speaker to be confirmed	646
World Village Theatre	Session 159	13:30 - 14:00
Session world village: APSR, supporting clean air and healthy lungs in Asia-Pacific countries		
13:30	Kwun Fong (Brisbane (QLD), Australia), Chong-Jen Yu (Taipei, Taiwan), Geethal Perera (Rajagiriya, Sri Lanka), Kwok Sang Wilson Yee (Hong Kong, Hong Kong), Kazi Bennoor (Dhaka, Bangladesh), Ser Hon Pua (Singapore, Singapore), Yasutomi Yamanaka (, Japan)	1568
World Village Theatre	Session 160	14:15 - 14:45
Session world village: The International Society for Aerosols in Medicine (ISAM): who we are and what we do		
14:15	Andrew Martin (Edmonton (AB), Canada)	1569
World Village Theatre	Session 185	15:00 - 15:30
Session world village: EAACI - at the forefront of allergy and asthma care		
15:00	Ioana Agache (Brasov (Brasov), Romania)	1771
World Village Theatre	Session 186	15:45 - 16:15
Session world village: ASSOBRAFIR in the ERS 2018 congress		

15:45 Flavio Maciel Dias De Andrade (Recife (PE), Brazil)

1772

World Village Theatre

Session 187

16:30 - 17:00

Session world village: Macedonian Respiratory Society - past, present and future

16:30 Sead Zeynel (Skopje, FYROM (Macedonia)), Marija M. Zdraveska (Skopje, FYROM (Macedonia))

1773

World Village Theatre	Session 231	09:00 - 09:30
Session world village: Advancing thoracic medicine in Malaysia		
09:00	Ahmad Izuanuddin Ismail (Batu Caves (Selangor), Malaysia)	2080
World Village Theatre	Session 233	09:45 - 10:15
Session world village: Innovations and prospects of respiratory medicine in Kyrgyzstan		
09:45	Talantbek Sooronbaev (Bishkek, Kyrgyzstan), Konrad E. Bloch (Zurich, Switzerland), Silvia Ulrich (Zurich, Switzerland)	2081
World Village Theatre	Session 234	10:30 - 11:00
Session world village: Driving awareness of particular respiratory problems in Sri Lanka		
10:30		2082
World Village Theatre	Session 258	11:15 - 11:45
Session world village: Presentation of the Taiwan Society of Pulmonary and Critical Care Medicine (TSPCCM)		
11:15	Kang-Yun Lee (Taipei, Taiwan), Wang Hao Chien (Taipei, Taiwan),	2287
World Village Theatre	Session 261	12:15 - 12:45
Session world village: Health effects of air pollution and global climate change in Turkey; what does the TTS do?		
12:15	Hasan Bayram (Istanbul, Turkey)	2291
World Village Theatre	Session 259	13:00 - 13:30
Session world village: Indian Chest Society: yesterday, today and tomorrow		
13:00		2288
World Village Theatre	Session 328	13:30 - 14:00
Session world village: Idiopathic Pulmonary Fibrosis - Why we need to act now		
13:30	Speaker to be confirmed	3222
World Village Theatre	Session 354	16:00 - 16:30
Session world village: Pediatric Pneumology and SIMRI's role in Italy		
16:00		3430

World Village Theatre	Session 394	09:00 - 09:30
Session world village: Working in partnership with charities to increase research funding and improve research outcomes		
09:00	Erika Kennington (London, United Kingdom)	3738
No Room	Session	09:45 - 10:15
Session world village: Sophrology and respiration		
09:45	Liliya Belenko Gentet (Drucourt, France)	
World Village Theatre	Session 395	10:30 - 11:00
Session world village: ALAT 2019 in Panama		
10:30	Gustavo Zabert (Neuquén, Argentina)	3739
World Village Theatre	Session 418	11:15 - 11:45
Session world village: Egyptian society of Chest Diseases and Tuberculosis past, present, and future		
11:15	Mohamed Tageldin (Cairo, Egypt)	3939
World Village Theatre	Session 421	12:45 - 13:15
Session world village: Severely, Asthma! – how proper diagnosis, treatment and environment change lives		
12:45	Giuseppe De Carlo (Bruxelles, Belgium)	3943
World Village Theatre	Session 485	13:30 - 14:00
Session world village: Presentation of the Tunisian Society of Pneumology (STMRA) and its activities		
13:30	Sonia Maalej (Tunis, Tunisia)	4884
World Village Theatre	Session 486	14:15 - 14:45
Session world village: The Philippine Experience : Connecting the dots on TB and COPD		
14:15	Lenora Fernandez (Manila, Philippines), Camilo Roa (Quezon City, Philippines), Carlo Trinidad (Manila, Philippines), Patrick Gerard Moral (Mandaluyong, Philippines)	4885
World Village Theatre	Session 419	15:00 - 15:30
Session world village: The Asthma Adviceline: How Patients Benefit from One to One Support		
15:00		3940
World Village Theatre	Session 509	15:45 - 16:15
Session world village: The Respiratory Society of Serbia (RSS)		
15:45	Jelena Jankovic (Beograd, Republic of Serbia), Jelena Cvejić (Beograd, Republic of Serbia)	5083
World Village Theatre	Session 510	16:30 - 17:00
Session world village: The Romanian Pneumology Society Project - INSPIRO 2017		

16:30 Florin Dumitru Mihaltan (Bucuresti, Romania), Ruxandra Ulmeanu (Bucuresti, Romania), Roxana Maria Nemes (Bucuresti, Romania)

5084

World Village Theatre **Session 540** **09:00 - 09:30**

Session world village: Fostering tobacco cessation with Social Media and the boat race "La Route du Rhum"

09:00

5317

World Village Theatre **Session 541** **10:30 - 11:00**

Session world village: Italian experience of pathology registries

10:30

Venerino Poletti (Forli, Italy), Adriano Vaghi (Bollate (MI), Italy)

5318

INDUSTRY SPONSORED SESSIONS

7.3L **Session 151** **13:15 - 14:30****Industry practical workshop: Advanced Monitoring in a Next Generation Ventilatory***Organised by Philips***Chairs :** David White (Denver, United States of America)

13:15	New Technologies for Advanced Monitoring Cesare Gregoretti (Palermo, Italy)	1539
13:35	Clinical Evidence Cheryl Needham (Monroeville, United States of America)	1540
13:45	Hands on	1541
14:09		1542

Terminal 7 **Session 152** **13:15 - 14:30****Industry practical workshop: Latest progress in mouthpiece ventilation in life support***Organised by ResMed***Chairs :** Hélène Prigent (Garches, France)

13:20	Mouthpiece ventilation (MPV): which patients and what to expect? Hélène Prigent (Garches, France)	1543
13:55	Hands on session: How to set up MPV with Astral	1544
13:55		1545
14:09		1546

7.2A **Session 153** **13:15 - 14:30****Industry practical workshop: Reading between the guidelines: the use of FeNO measurement in asthma management today***Organised by CIRCASSIA Ltd***Chairs :** Liam Heaney (Belfast (Belfast), United Kingdom)

13:15	Introduction by Chairman; Professor Liam Heaney (Belfast): FeNO as a biomarker in inflammatory asthma.	1547
13:25	HandsOn: FeNO measurement with NIOX VERO®	1548
13:45	FeNO measurement in the diagnosis and management of Th-2 asthma; Professor Dinh-Xuan (Paris)	1549
14:05	FeNO as a biomarker in the selection and monitoring of patients for biologic therapy; Professor Joaquin Sastre (Madrid)	1550
14:25	Closing Remarks	1551

7.2C **Session 154** **13:15 - 14:30****Industry practical workshop: Connected health & big data in Sleep – innovative usage and future outlook***Organised by ResMed***Chairs :** Carlos M. Nunez (San Diego, United States of America)

13:15	Connected health and the impact of big data analytics Carlos M. Nunez (San Diego, United States of America)	1552
13:35	An innovative approach to home titration - the benefits of telemonitoring Maciej Krol (Lodz, Poland)	1553
13:55	How big data can improve our understanding of CSA during CPAP therapy Holger Woehrle (Ulm, Germany)	1554

13:55	Demo of AirView and myAir solutions	1555
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14:05		1556
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7.3W Session 156 13:15 - 14:30

Industry practical workshop: Clinical Usefulness of Diffusion Capacity - DLCO.

How we profit from recent advancements.

Organised by ndd Medizintechnik AG

Chairs : Vito Brusasco (Genova (GE), Italy)

13:15	Clinical Usefulness of Diffusion Capacity - DLCO. How we profit from recent advancements. Helgo Magnussen (Großhansdorf, Germany)	1558
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13:33		1559
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13:51		1560
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14:09		1561
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7.3X Session 157 13:15 - 14:30

Industry practical workshop: Interventional Pulmonologist, the toolkit you need

Organised by Boston Scientific International SA

Chairs : Kaid Darwiche (Essen, Germany)

13:15		1562
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13:33		1563
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13:51		1564
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14:09		1565
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7.3Y Session 158 13:15 - 14:30

Industry practical workshop: Flexible and Rigid Bronchoscopy in Adults

Organised by Karl Storz SE & Co. KG

Chairs : Hermann Tonn (Hannover, Germany)

13:15	Presentation about Flexible and Rigid Bronchoscopy in Adults	1566
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13:30	Hands-on-Workshop: practical demonstration and training	1567
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7.3C Session 189 17:15 - 19:15

Industry evening symposium: Update on Severe Eosinophilic Asthma: Decision Making in Clinical Practice

Organised by AstraZeneca PLC

Chairs : Arnaud Bourdin (Montpellier Cedex 5, France)

17:15	Welcome and Introductions Arnaud Bourdin (Montpellier Cedex 5, France)	1774
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17:20	Stratifying Asthma by Inflammatory Phenotypes Ratko Djukanovic (Southampton (Hampshire), United Kingdom)	1775
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17:40	New Therapeutic Options for Managing Severe Eosinophilic Asthma Mario Castro (St. Louis, United States of America)	1776
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18:15	Clinical Challenges and Management Strategies in Eosinophilic Asthma Arnaud Bourdin (Montpellier Cedex 5, France)	1777
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18:50 **Panel Discussion, Audience Q&A and Evaluation** 1778
All

7.3Z1 **Session 190** **17:15 - 19:15**

Industry evening symposium: Bridging the gap between research and clinical practice – where next in IPF?

Organised by F. Hoffmann-La Roche Ltd

Chairs : Vincent Cottin (Lyon, France)

17:15 **Welcome and opening** 1779
Vincent Cottin (Lyon, France)

17:20 **Making a leap: how can new technology improve the accuracy of IPF diagnosis?** 1780
Carlo Vancheri (Catania (CT), Italy)

17:40 **Building a bridge: how can tertiary and secondary care work together to improve patient outcomes?** 1781
Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Helen Morris (Manchester (Greater Manchester), United Kingdom)

18:10 **Making the connection: what do French data from PASSPORT tell us?** 1782
Vincent Cottin (Lyon, France)

18:30 **Joining the dots: what do real-world data tell us about antifibrotics in IPF?** 1783
Michael Kreuter (Heidelberg, Germany)

18:50 **Panel discussion and Q&A** 1784
Vincent Cottin (Lyon, France), Michael Kreuter (Heidelberg, Germany), Carlo Vancheri (Catania (CT), Italy), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Helen Morris (Manchester (Greater Manchester), United Kingdom)

19:10 **Closing remarks** 1785
Vincent Cottin (Lyon, France)

7.3Z2 **Session 191** **17:15 - 19:15**

Industry evening symposium: Managing multiple outcomes in COPD: Blending data with patient priorities

Organised by Boehringer Ingelheim International GmbH

Chairs : Eric D. Bateman (Cape Town, South Africa)

17:15 **A complex landscape: Current considerations in personalized care** 1786
Eric D. Bateman (Cape Town, South Africa)

17:25 **Tipping the balance: Combination treatment choice in COPD** 1787
MeiLan K. Han (Ann Arbor, United States of America)

17:50 **Tailoring our treatment choice in practice: Patient cases** 1788
Michael Dreher (Aachen, Germany)

18:25 **Rising to the challenge: What's next?** 1789
Eric D. Bateman (Cape Town, South Africa)

18:50 **Q&A** 1790

19:10 **Closing comments** 1791
Eric D. Bateman (Cape Town, South Africa)

7.3K **Session 192** **17:15 - 19:15**

Industry evening symposium: A new breath-triggered inhaler for asthma: delivering innovation through design

Organised by Mundipharma International Limited

Chairs : Alberto Papi (Ferrara, Italy), Omar S. Usmani (London, United Kingdom)

17:15	Welcome Alberto Papi (Ferrara, Italy), Omar S. Usmani (London, United Kingdom)	1792
17:20	From efficacy to effectiveness: where are we with asthma control? Alberto Papi (Ferrara, Italy)	1793
17:40	Inhaler errors and asthma outcomes: what can we learn from clinical practice? Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	1794
18:00	An innovative new breath-triggered inhaler for the treatment of asthma Omar S. Usmani (London, United Kingdom)	1795
18:35	Designed with patients in mind: patient support and training tools for improved asthma management Jane Scullion (Berkshire, United Kingdom)	1796
18:55	Panel discussion	1797
19:10	Closing remarks Alberto Papi (Ferrara, Italy), Omar S. Usmani (London, United Kingdom)	1798

7.3Q Session 193 17:15 - 19:15

Industry evening symposium: Effectiveness in every day clinical practice: New data from the Salford Lung Study in asthma

Organised by GSK

Chairs : Frédéric De Blay (Strasbourg, France)

17:15	Chair's welcome Frédéric De Blay (Strasbourg, France)	1799
17:20	What does the evidence around RCTs in asthma tell us? Alain Didier (Toulouse, France)	1800
17:50	The Salford Lung Study: Defining effectiveness in everyday clinical practice David Leather (London, United Kingdom)	1801
18:20	The Salford Lung Study in context: A paradigm shift in assessing asthma therapies Mike Thomas (Southampton (Hampshire), United Kingdom)	1802
18:55	Q&A and chair's close Frédéric De Blay (Strasbourg, France)	1803

7.3M Session 194 17:15 - 19:15

Industry evening symposium: COPD Patients and Doctors: Travelling in the same direction?

Organised by Menarini group

Chairs : Alvar Agusti Garcia-Navarro (Barcelona, Spain), Bartolome R. Celli Croquer (Boston, United States of America)

17:15	Chairmen's introduction Alvar Agusti Garcia-Navarro (Barcelona, Spain), Bartolome R. Celli Croquer (Boston, United States of America)	1804
17:25	In this era of "Omics": the missing link - Humanomics Bartolome R. Celli Croquer (Boston, United States of America)	1805
17:45	Patients and Doctors: mirroring each other Dave Singh (Manchester, United Kingdom)	1806
18:05	Developing COPD: how do patients get there? Alvar Agusti Garcia-Navarro (Barcelona, Spain)	1807
18:25	Treating patients today: deciphering the alphabet soup Klaus F. Rabe (Grosshansdorf, Germany)	1808
18:45	Panel Discussion	1809

19:05	Chairmen's summary and closing remarks Alvar Agusti Garcia-Navarro (Barcelona, Spain), Bartolome R. Celli Croquer (Boston, United States of America)	1810
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7.30 Session 195 17:15 - 19:15

Industry evening symposium: Getting to the 'heart' of COPD management: time for personalization?

Organised by Novartis Pharma AG

Chairs : David Price (Singapore, Singapore)

17:15	Welcome and introduction David Price (Singapore, Singapore)	1811
17:25	Cardiovascular co-morbidities in COPD: do they matter? Claus Vogelmeier (Marburg, Germany)	1812
17:40	Acute exacerbations and the multi-morbid patient: a failure of the heart or the lung? Martin Möckel (Berlin, Germany)	1813
17:55	Chair-led expert discussion and audience Q&A	1814
18:05	ICS use in COPD: are we listening to the evidence? David Price (Singapore, Singapore)	1815
18:15	Modern management of COPD: time to take it personally? Jadwiga Wedzicha (London, United Kingdom)	1816
18:45	Chair-led expert discussion and audience Q&A	1817
19:05	Summary & Close David Price (Singapore, Singapore)	1818

7.3P Session 196 17:15 - 19:15

Industry evening symposium: Achieve more – Taking an evidence-based approach to PAH management

Organised by Actelion Pharmaceuticals Ltd

Chairs : Luke Howard (London, United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

17:15	Introduction Luke Howard (London, United Kingdom)	1819
17:20	Diagnosis and treatment in PAH – Choosing the right approach Olivier Sitbon (Le Kremlin-Bicêtre, France)	1820
17:40	Differential diagnosis in practice – A patient case Hans Klose (Hamburg, Germany)	1821
18:10	Choosing the right treatment strategy today – A case study Marion Delcroix (Leuven, Belgium)	1822
18:40	Managing PAH – Taking an evidence-based approach Nick Kim (La Jolla, United States of America)	1823
19:00	Panel discussion	1824

7.3L Session 197 17:15 - 19:15

Industry evening symposium: Discovering asthma paradigms in an evolving landscape: Experts Perspectives

Organised by Sanofi Genzyme and Regeneron

Chairs : Marc Humbert (Paris, France)

17:15	Welcome and Introduction Marc Humbert (Paris, France)	1825
17:30	Setting the Stage: The Current State of Uncontrolled Persistent Asthma with Type 2 Inflammation Monica Kraft (Tucson, United States of America)	1826
17:55	Addressing the Key Issues in the Treatment of Uncontrolled Persistent Asthma with Type 2 Inflammation William Busse (Madison, United States of America)	1827
18:20	Management of Uncontrolled Persistent Asthma: Current Considerations and Future Possibilities Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)	1828
18:45	Closing Remarks and Panel Q&A Marc Humbert (Paris, France)	1829

7.3J Session 198 17:30 - 19:00

Industry evening mini symposium: Advances in Genetic COPD: Implementation of AATD Research Findings in Clinical Practice

Organised by GRIFOLS

Chairs : Noel Gerard McElvaney (Dublin, Ireland)

17:30	Welcome and Introduction Noel Gerard McElvaney (Dublin, Ireland)	1830
17:35	From Evidence to Practice - New Recommendations on the Management of Pulmonary Disease in AATD Robert Andrew Stockley (Birmingham (West Midlands), United Kingdom)	1831
17:55	Groupe Panel Discussion: Advances in AAT Deficiency - Scientific Milestones Achieved in the Last 30 Years. (Research, Detection and Treatment - A Prelude for the Future) Noel Gerard McElvaney (Dublin, Ireland), Sabina Janciauskiene (Hannover, Germany), Robert Andrew Stockley (Birmingham (West Midlands), United Kingdom), Adolfo Baloiara Villar (Pontevedra, Spain)	1832
18:30	Discussion All All	1833
18:40	The 15th Annual ALTA Research Grant Award - Introduction and Program Overview Noel Gerard McElvaney (Dublin, Ireland)	1834
18:45	2017 ALTA Research Project Presentations Luis Sendra (Valencia, Spain), Nerea Matamala (MADRID, Spain)	1835
18:50	2018 ALTA Awards Ceremony TBD TBD	1836
18:55	Summary and Close Noel Gerard McElvaney (Dublin, Ireland)	1837

7.3W Session 199 17:30 - 19:00

Industry evening mini symposium: Updates and current challenges in difficult-to-treat pneumonia

Organised by Pfizer

Chairs : Jean Chastre (Paris, France)

17:30	Setting the scene: difficult-to-treat pneumonia Jean Chastre (Paris, France)	1838
17:45	Treatment considerations for comorbid patients with CAP: the complex made simple Antoni Torres (Barcelona, Spain)	1839
18:10	Tackling resistant Gram-negative HAP/VAP: the role of a novel β-lactam/β-lactamase inhibitor Matteo Bassetti (Udine (UD), Italy)	1840
18:35	Panel Q&A and discussion Jean Chastre (Paris, France), Antoni Torres (Barcelona, Spain), Matteo Bassetti (Udine (UD), Italy)	1841

18:55	Meeting summary and close Jean Chastre (Paris, France)	1842
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7.3X	Session 200	17:30 - 19:00
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Industry evening mini symposium: Discover New Dimensions in Interventional Pulmonology
Organised by Olympus Europa SE & Co. KG

17:30	Dive deeper into the lung — how peripheral can I go? Ales Rozman (Golnik, Slovenia)	1843
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17:50	Valve therapy — SeleCT the right emphysema patient Ralf Eberhardt (Heidelberg, Germany)	1844
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18:10	Get energized with Argon Plasma Coagulation Franz Stanzel (Hemer, Germany)	1845
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18:30	Celebrate 15 years of EBUS-TBNA Felix J.F. Herth (Heidelberg, Germany)	1846
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7.2B **Session 203** **07:00 - 08:15****Industry early morning symposium: Type 2 Inflammation and the Evolving Profile of Uncontrolled Persistent Asthma***Organised by Sanofi Genzyme and Regeneron Pharmaceuticals***Chairs :** Giorgio Walter Canonica (Milano (MI), Italy)

07:00	Welcome and Introductions Giorgio Walter Canonica (Milano (MI), Italy)	1855
07:10	Defining Severe Asthma Zuzana Diamant (Lund, Sweden)	1856
07:25	Type 2 Asthma: What Is it and What Mediators Drive It? Sven-Erik Dahlén (Stockholm, Sweden)	1857
07:45	Interactive Session: Identifying Type 2 Asthma in Clinical Practice Giorgio Walter Canonica (Milano (MI), Italy)	1858
08:05	Closing Remarks and Panel Q&A Giorgio Walter Canonica (Milano (MI), Italy), Zuzana Diamant (Lund, Sweden), Sven-Erik Dahlén (Stockholm, Sweden)	1859

7.2C **Session 204** **07:00 - 08:15****Industry early morning symposium: 6 Month Results of Safety and Feasibility Study in Chronic Bronchitis Patients***Organised by CSA Medical***Chairs :** Gerard J. Criner (Philadelphia, United States of America)

07:00	Chronic Bronchitis Prevalence and Patient Outlook Felix J.F. Herth (Heidelberg, Germany)	1860
07:15	Metered Cryospray Concept to Human Use Dirk-Jan Slebos (Groningen, Netherlands)	1861
07:30	RejuvenAir System Metered Cryospray 6 Month Safety and Feasibility Results Pallav L. Shah (London, United Kingdom)	1862
07:45	RejuvenAir Future Design Advancements Felix J.F. Herth (Heidelberg, Germany)	1863
08:00	The Future of Metered Cryospray for Chronic Bronchitis Patients Gerard J. Criner (Philadelphia, United States of America)	1864

7.3R **Session 207** **07:00 - 08:15****Industry early morning symposium: Patients as partners in drug development: From rhetoric into reality in a connected world***Organised by GSK***Chairs :** Monica Fletcher (Cuckfield, United Kingdom)

07:00	Welcome and introduction Felix Jackson (London, United Kingdom)	1875
07:05	What matters to me: A patient perspective Kjeld Hansen (Oslo, Norway)	1876
07:15	Connecting with patients: The digital opportunity Felix Jackson	1877
07:25	Technology to understand patients'needs in clinical studies Ruth Tal-Singer (King of Prussia, United States of America)	1878
07:35	The Salford Lung Study: An opportunity for many more patients to take part in a clinical study David Leather (London, United Kingdom)	1879

07:45	A patient-driven outcomes study: An Italian Pilot Alberto Papi (Ferrara, Italy)	1880
07:55	The role of the patient in drug development Panel discussion	1881
08:10	Summary: From rhetoric into reality Monica Fletcher (Cuckfield, United Kingdom)	1882

7.3L Session 320 13:15 - 14:30

Industry practical workshop: Expiratory Flow Limitation - What is it and Why it Matters

Organised by Philips

Chairs : David White (Denver, United States of America)

13:15	What is Expiratory Flow Limitation and why it is Important to Evaluate in COPD. Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)	3194
13:45	Hands - On	3195
13:51		3196
14:09		3197

Terminal 7 Session 321 13:15 - 14:30

Industry practical workshop: Interactive session on home NIV for COPD: how can technology support better care and care management.

Organised by ResMed

Chairs : Jesus Gonzalez (Montlignon, France), Mark Phillips (Sydney (NSW), Australia)

13:15	How to reconcile with high intensity NIV in home COPD patients Jesus Gonzales	3198
13:35	Telemonitoring solutions for home NIV: learning from real life experiences Christopher Carlin	3199
13:55	Hands-on session: NIV setup with Lumis and AirView telemonitoring	3200
13:55		3201

7.2A Session 322 13:15 - 14:30

Industry practical workshop: MRD (Mandibular Repositioning Device) : a proven alternative to CPAP for OSA patients

Organised by ResMed

13:15	Efficacy of MRDs in the treatment of OSA – literature review Peter A. Cistulli (St Leonards (NSW), Australia)	3202
13:35	Narval CC : an MRD designed for compliance Jean-Claude Meurice (Poitiers, France)	3203
13:55	Hands-on session with the Narval appliance	3204
14:09		3205

7.2C Session 323 13:15 - 14:30

Industry practical workshop: Transcutaneous PCO2 monitoring in clinical practice

Organised by SenTec AG

Chairs : Prashant Nemichand Chhajed (Mumbai, India)

13:15	Transcutaneous carbon dioxide monitoring during sleep Prashant Nemichand Chhajed (Mumbai, India)	3206
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13:23 **Transcutaneous carbon dioxide monitoring and NIV** 3207
Wolfram Windisch (Cologne, Germany)

13:31 **Transcutaneous carbon dioxide monitoring for children and in home mechanical ventilation** 3208
Brigitte Fauroux (Paris, France)

13:39 **Discussion and hands-on demonstration** 3209
Wolfram Windisch (Cologne, Germany)

7.3W Session 325 13:15 - 14:30

Industry practical workshop: Experience New Dimensions in Interventional Pulmonology

Organised by Olympus Europa SE & Co. KG

Chairs : Arschang Valipour (Wien, Austria), Ales Rozman (Golnik, Slovenia), Maren Schuhmann (Heidelberg, Germany), Franz Stanzel (Hemer, Germany)

13:15 **Introduction** 3211
Arschang Valipour (Wien, Austria)

13:30 **Practice EBUS-TBNA with the Experts** 3212
Maren Schuhmann (Heidelberg, Germany)

13:30 **Practice Peripheral Bronchoscopy with the Experts** 3213
Ales Rozman (Golnik, Slovenia)

13:30 **Practice Valve Therapy with the Experts** 3214
Arschang Valipour (Wien, Austria)

13:30 **Practice Argon Plasma Coagulation with the Experts** 3215
Franz Stanzel (Hemer, Germany)

7.3X Session 326 13:15 - 14:30

Industry practical workshop: Optimal Patient Selection for Successful Treatment of Severe Lung Emphysema

Organised by Pulmonx

Chairs : Daniela Gompelmann (Heidelberg, Germany)

Welcome & Introduction 3216
Daniela Gompelmann

Update on current best practices 3217
Daniel Franzen

How to identify the right patient? 3218
Karin Klooster

The value of QCT-Analysis with StratX 3219
Michela Bezzi

Chartis & Zephyr Endobronchial Valves 3220
Daniel Franzen, Daniela Gompelmann

7.3Y Session 327 13:15 - 14:30

Industry practical workshop: Endobronchial and Pleural Ultrasound Workshop

Organised by FUJIFILM

Chairs : Joris van der Horst (Glasgow (Glasgow), United Kingdom), Christophe Doods (Leuven, Belgium), Antoni Rosell Gratacos (Hospitalet de Llobregat (Barcelona), Spain), Rüdiger Eichholz (Tübingen, Germany)

13:15 **EBUS-TBNA** 3221
EBUS-MINI PROBE with Plastic Model
EBUS-TBNA with Symbionix simulator
Pleural Ultrasound by SonoSite

7.3N **Session 355** **17:15 - 19:15****Industry evening symposium: Current COPD treatment paradigm and evidence: What are the unanswered questions and the clinical implications?***Organised by GSK***Chairs :** Bruno P.P. Housset (Creteil, France), Paul Jones (London, United Kingdom)

17:15	Chairs' welcome Henrik Watz (Großhansdorf, Germany), Bruno P.P. Housset (Creteil, France)	3431
17:20	Current COPD treatment paradigm: What does GOLD recommend and why? Henrik Watz (Großhansdorf, Germany)	3432
17:35	Evidence from recent studies: The IMPACT study David A Lipson (Wynnewood, United States of America)	3433
17:50	Approaches to bronchodilator treatment for the breathless patient Paul Jones (London, United Kingdom)	3434
18:10	What to do with GOLD D patients? Alice Turner (Birmingham (West Midlands), United Kingdom)	3435
18:30	This patient had an exacerbation last year: What would you do? Neil C. Barnes (London, United Kingdom)	3436
18:50	Panel discussion and close	3437

7.3C **Session 356** **17:15 - 19:15****Industry evening symposium: Aiming for Optimal Asthma Care: A Metamorphosis in Asthma Care?***Organised by AstraZeneca PLC***Chairs :** Paul O'Byrne (Hamilton (ON), Canada)

17:15	Welcome and Introductions Paul O'Byrne (Hamilton (ON), Canada)	3438
17:25	The Paradoxes of Asthma Management Christine Jenkins (Mc Mahons Point (NSW), Australia)	3439
17:50	Escaping the Paradox - Evidence for As-needed Anti-inflammatory Reliever Therapy Helen Reddel (Sydney (NSW), Australia)	3440
18:20	Clinical Practice Implications Eric D. Bateman (Cape Town, South Africa)	3441
18:45	Panel Discussion & Audience Q&A	3442
19:10	Meeting Close Paul O'Byrne (Hamilton (ON), Canada)	3443

7.3Z2 **Session 357** **17:15 - 19:15****Industry evening symposium: Fibrosing Interstitial Lung Diseases: Translating Recent Learnings Into Future Directions***Organised by Boehringer Ingelheim International GmbH***Chairs :** Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America)

17:15	Welcome and introduction Vincent Cottin (Lyon, France)	3444
17:25	Diagnosing IPF: time to revisit criteria Ganesh Raghu (Seattle, United States of America)	3445
17:40	Role of genetics and telomere pathway in ILDs Christine K Garcia (Dallas, United States of America)	3446

18:00	Questions and answers	3447
18:10	Molecular and clinical phenotypes in ILD: a step towards precision medicine Toby Maher (St. Albans (Hertfordshire), United Kingdom)	3448
18:25	Treatment of patients with advanced IPF: new insights Fernando J. Martinez (New York, United States of America)	3449
18:40	Treatment of ILD in patients with systemic sclerosis: current treatments and future directions Oliver Distler (Zurich, Switzerland)	3450
19:00	Questions and answers	3451
19:10	Summary and close Fernando J. Martinez (New York, United States of America)	3452

7.3Q Session 358 17:15 - 19:15

Industry evening symposium: Severe Asthma in FOCUS: How can we Reduce OCS Use

Organised by AstraZeneca PLC

Chairs : Andrew Menzies-Gow (London, United Kingdom)

17:15	Welcome and Objectives Andrew Menzies-Gow (London, United Kingdom)	3453
17:25	Challenges of Severe Asthma Management: Current OCS Use in Perspective Eugene R. Bleecker (Winston-Salem, United States of America)	3454
17:45	Insights into the Cumulative Burden of OCS Exposure Janwillem W. H. Kocks (Groningen, Netherlands)	3455
18:05	How can we Reduce OCS use? Treatment Alternatives Under the Lens Elisabeth H.D. Bel (Amsterdam, Netherlands)	3456
18:25	The 'Big Picture': Enabling Change to Improve Quality of Care in Severe Asthma Andrew Menzies-Gow (London, United Kingdom)	3457
18:40	Audience Q&A and Panel Discussion	3458
19:10	Close Andrew Menzies-Gow (London, United Kingdom)	3459

7.3M Session 359 17:15 - 19:15

Industry evening symposium: Early management of asthma to prevent adverse outcomes – different management strategies according to age group

Organised by Boehringer Ingelheim International GmbH

Chairs : Nikolaos Papadopoulos (Manchester, United Kingdom)

17:15	Welcome and introduction Nikolaos Papadopoulos (Manchester, United Kingdom)	3460
17:25	Asthma in children 5 years: current and future perspectives Stanley J. Szeffler (Denver, United States of America)	3461
17:55	Asthma management in children 6–11 years: what's new, what's next Christian Vogelberg (Dresden, Germany)	3462
18:25	The evolving management of asthma in adolescents and adults Mark Fitzgerald (Vancouver (BC), Canada)	3463
18:55	Q&A	3464
19:10	Summary and Close Nikolaos Papadopoulos (Manchester, United Kingdom)	3465

7.3L **Session 360** **17:15 - 19:15****Industry evening symposium: The asthma patient journey: what more can be done?***Organised by Novartis Pharma AG***Chairs :** Marc Humbert (Paris, France)

17:15	Welcome, introduction and aguide through the asthma patient journey Marc Humbert (Paris, France)	3466
17:20	Beginning the asthma journey: barriers and opportunities to improve control David Price (Singapore, Singapore)	3467
17:40	The era of precision medicine from the pulmonologist's perspective: the right treatment for the right patient Liam Heaney (Belfast (Belfast), United Kingdom)	3468
18:00	New real-life data and perspectives in severe asthma patients Marc Humbert (Paris, France)	3469
18:20	Beyond the breath: the psychological factors of asthma Kim Lavoie (Montréal (QC), Canada)	3470
18:50	How can we do better for our patients: panel discussion and audience Q&A	3471
19:10	Chair's concluding remarks Marc Humbert (Paris, France)	3472

7.2A **Session 361** **17:30 - 19:00****Industry evening mini symposium: Targeted Lung Denervation (TLD)- A One-Time Treatment for COPD and Severe Asthma***Organised by Nuaira***Chairs :** Alvar Agusti Garcia-Navarro (Barcelona, Spain), Felix J.F. Herth (Heidelberg, Germany)

17:30	Welcome and Introduction Alvar Agusti Garcia-Navarro (Barcelona, Spain), Felix J.F. Herth (Heidelberg, Germany)	3473
17:35	Neural Control of Airway Smooth Muscle and Mucus Production Brendan Canning (Baltimore, United States of America)	3474
17:45	Mechanism of Action and the NuairaTM Lung Denervation System Pallav L. Shah (London, United Kingdom)	3475
18:00	TLD in COPD: Data from the AIRFLOW-1 and Sham-Controlled AIRFLOW-2 Trials Dirk-Jan Slebos (Groningen, Netherlands), Arschang Valipour (Wien, Austria)	3476
18:30	TLD in COPD: The AIRFLOW-3 Pivotal Trial Frank Scirba (Pittsburgh, United States of America)	3477
18:40	TLD in Severe Asthma Pallav L. Shah (London, United Kingdom)	3478
18:45	Panel Discussion and Q&A	3479

7.2B **Session 362** **17:30 - 19:00****Industry evening mini symposium: Back to basics in asthma and COPD: optimizing the patient journey***Organised by Orion and Menarini***Chairs :** Mika Makela (Hus (Helsinki), Finland), Giorgio Walter Canonica (Milano (MI), Italy)

17:30	Introduction Giorgio Walter Canonica (Milano (MI), Italy)	3480
17:35	Transforming asthma and COPD care: lessons from Finland Mika Makela (Hus (Helsinki), Finland)	3481

17:50	Making sense of dry powder inhalers Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	3482
18:05	Inhaler use in real life: an evolving story Federico Lavorini (Firenze (FI), Italy)	3483
18:20	Focus on the patient: what clinicians need to know Giorgio Walter Canonica (Milano (MI), Italy)	3484
18:35	Discussion Giorgio Walter Canonica (Milano (MI), Italy), Henry Chrystyn (Bingley (West Yorkshire), United Kingdom), Federico Lavorini (Firenze (FI), Italy), Mika Makela (Hus (Helsinki), Finland)	3485
18:55	Wrap-up Mika Makela (Hus (Helsinki), Finland)	3486

7.2C Session 363 17:30 - 19:00

Industry evening mini symposium: The Rhinitis-Asthma link in childhood: pathogenesis, old and new therapeutic solutions.

Organised by OMRON Healthcare Europe B.V.

Chairs : Renato Cutrera (Roma (RM), Italy)

17:30	Introduction - Welcome Renato Cutrera (Roma (RM), Italy)	3487
17:35	United Airways Disease: pathogenesis, natural history, diagnostic problems Bülent Taner Karadag (Istanbul, Turkey)	3488
18:00	Standard and innovative devices in the treatment of respiratory diseases in childhood Renato Cutrera (Roma (RM), Italy)	3489
18:25	United Airways Treatment: clinical trials with novel devices Paolo Maria Matricardi (Berlin, Germany)	3490
18:50	Discussion	3491

7.2D Session 364 17:30 - 19:00

Industry evening mini symposium: Bronchiectasis: from Guidelines to Clinical Practice

Organised by GRIFOLS

Chairs : Francesco Blasi (Milan, Italy)

17:30	Welcome and Introduction Francesco Blasi (Milan, Italy)	3492
17:40	Management of Bronchiectasis Patients: How to Move from Guidelines to the Clinical Practice Eva Polverino (Barcelona, Spain)	3493
18:05	Microbiological Changes in Bronchiectasis Progression Christian Taube (Essen, Germany)	3494
18:30	Could my patient have Bronchiectasis? A look at Patient Cases James D. Chalmers (Dundee (Angus), United Kingdom)	3495
18:50	Debate and Concluding Remarks Francesco Blasi (Milan, Italy)	3496

7.3J Session 365 17:30 - 19:00

Industry evening mini symposium: How important is early action in Pulmonary Arterial Hypertension?

Organised by GSK

Chairs : Ari Chaouat (Vandoeuvre-Les-Nancy, France)

17:30	Introduction – How important is early action in Pulmonary Arterial Hypertension? Ari Chaouat (Vandoeuvre-Les-Nancy, France)	3497
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17:35	Improving diagnosis in Pulmonary Arterial Hypertension David Kiely (Sheffield (South Yorkshire), United Kingdom)	3498
17:55	Importance of the right treatment from the start Ari Chaouat (Vandoeuvre-Les-Nancy, France)	3499
18:15	Putting it into practice: Interactive Pulmonary Arterial Hypertension patient case study Luke Howard (London, United Kingdom)	3500
18:40	Q&A – How important is early action in Pulmonary Arterial Hypertension? Ari Chaouat (Vandoeuvre-Les-Nancy, France)	3501

7.3R Session 366 17:30 - 19:00

Industry evening mini symposium: Focusing on the patient – future prospects in Alpha 1 management

Organised by CSL Behring

Chairs : Michael Campos (Miami, United States of America), Joanna Chorostowska-Wynimko (Warsaw, Poland)

17:30	Welcome and introduction Michael Campos (Miami, United States of America)	3502
17:35	Rare lung diseases in the spotlight: New European initiatives Joanna Chorostowska-Wynimko (Warsaw, Poland)	3503
17:50	Do we need another AATD registry? Miriam Barrecheguren Fernandez (Barcelona, Spain)	3504
18:00	No lab – No diagnosis: How to align testing for AATD across Europe Ilaria Ferrarotti (Pavia (PV), Italy)	3505
18:10	Alternative dosing regimens for patients with AATD: Safety of bi-weekly AAT therapy Timm Greulich (Marburg, Germany)	3506
18:25	Self-administration of AAT therapy in the US: Results of an AlphaNet survey Robert A. Sandhaus (Bow Mar, United States of America)	3507
18:40	Discussion/Questions	3508
18:55	Closing remarks Joanna Chorostowska-Wynimko (Warsaw, Poland)	3509

7.3L **Session 476** **13:15 - 14:30****Industry practical workshop: Humidified nasal high flow for respiratory support in the chronic setting***Organised by Fisher & Paykel Healthcare SAS***Chairs :** Gerard J. Criner (Philadelphia, United States of America), Mark W. Elliott (Leeds (West Yorkshire), United Kingdom)

13:15	Physiological effects of humidified nasal high flow Stefano Nava (Bologna (BO), Italy)	4846
13:28	Nasal high-flow in hypercapnic patients Jens Bräunlich (Leipzig, Germany)	4847
13:41	Long-term effects of oxygen-enriched humidified Nasal High Flow therapy in COPD patients Ulla Weinreich (Ålborg, Denmark)	4848
13:54	Adherence and implementation of humidified Nasal High Flow for long term use in COPD Patients Line Storgaard (Aabybro, Denmark)	4849
14:07	Hands-on	4850

Terminal 7 **Session 477** **13:15 - 14:30****Industry practical workshop: Portable PAP treatment 2.0: innovative technologies and connected care***Organised by ResMed***Chairs :** Ramón Farré Ventura (Barcelona, Spain)

13:15	Travel PAP performance: matching the standards of conventional primary PAP devices Ramón Farré Ventura (Barcelona, Spain)	4851
13:35	Engagement and coaching – new technologies to help patient Gregory Boyle (Martinsried, Germany)	4852
13:50	Hands-on session with AirMini	4853
14:09		4854

7.2A **Session 478** **13:15 - 14:30****Industry practical workshop: Advances in respiratory care: Endobronchial ablation and Lung Volume Reduction***Organised by Medtronic***Chairs :** Pallav L. Shah (London, United Kingdom)

13:15	Endobronchial Ablation Early Experience: Technology and case implications Kelvin Lau (London, United Kingdom)	4855
13:35	Monitoring during and after LVR: the essential requirements Wolfgang Heinrich (Mainz, Germany)	4856
13:55	Patient selection for LVRS beyond NETT Walter Weder (Zürich, Switzerland)	4857
14:15	Q & A	4858

7.2C **Session 479** **13:15 - 14:30****Industry practical workshop: Innovation in Airway Clearance: Discover the direct action of the Simeox technology on mucus rheology and the clinical impact on bronchial drainage***Organised by Physio Assist***Chairs :** Jesus Gonzalez Bermejo (Montlignon, France),

13:15	The Simeox technology for an efficient and comfortable bronchial drainage Florence Danet (Rueil-Malmaison, France)	4859
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13:20	Simeox clinical experience: the French perspective Hughes Gauchez (Marcq-en-Baroeul, France)	4860
13:29	Simeox clinical experience: the German perspective Thomas Hillmann (Essen, Germany)	4861
13:38	Simeox demonstration and hands-on	4862

7.3W Session 481 13:15 - 14:30

Industry practical workshop: Endobronchial and Pleural Ultrasound Workshop

Organised by FUJIFILM

Chairs : Joris van der Horst (Glasgow (Glasgow), United Kingdom), Christophe Doods (Leuven, Belgium), Antoni Rosell Gratacos (Hospitalet de Llobregat (Barcelona), Spain), Rüdiger Eichholz (Tübingen, Germany)

13:15	EBUS-TBNA EBUS-MINI PROBE with Plastic Model EBUS-TBNA with Symbionix simulator Pleural Ultrasound by SonoSite	4864
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7.3X Session 482 13:15 - 14:30

Industry practical workshop: Transbronchial cryobiopsy

Organised by Erbe Elektromedizin GmbH

Chairs : Felix J.F. Herth (Heidelberg, Germany), Jürgen Hetzel (Tuebingen, Germany), Lonny Yarmus (Baltimore, United States of America)

13:15	1. Welcome and introduction 2. Clinical value of transbronchial cryobiopsy 3. How to perform transbronchial cryobiopsy Lonny Yarmus (Baltimore, United States of America), Jürgen Hetzel (Tuebingen, Germany), Speaker to be confirmed	4865
13:35	Hands-on transbrochial cryobiopsy Jürgen Hetzel (Tuebingen, Germany), Lonny Yarmus (Baltimore, United States of America), Speaker to be confirmed	4866
13:35		4867
14:09		4868

7.3Y Session 483 13:15 - 14:30

Industry practical workshop: Medical Thoracoscopy

Organised by KARL STORZ SE & Co. KG

Chairs : Ralf Heine (Halle, Germany)

13:15	Presentation about Medical Thoracoscopy	4869
13:30	Hands-on workshop: practical demonstration and training	4870

7.3C Session 512 17:15 - 19:15

Industry evening symposium: Leaving a mark in asthma and COPD - Innovation Footprints in Respiratory Care

Organised by Chiesi Farmaceutici S.p.A.

Chairs : Leonardo Michele Fabbri (Modena, Italy), Florence Schleich (Liège, Belgium)

17:15	Envisioning the upcoming journey – Emergent trends shaping the future of chronic lung diseases Bartolome R. Celli Croquer (Boston, United States of America)	5085
17:45	Outlining a new dawn for COPD patients – From the roots of inflammation and obstruction in COPD to the latest therapeutic breakthroughs Alberto Papi (Ferrara, Italy)	5086

18:15	Elevating the outcomes for asthma patients – A deep dive in the world of asthma and small airways to highlight procedures of disease control Paul O'Byrne (Hamilton (ON), Canada)	5087
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18:45	Tailoring solutions, shaping health – How Chiesi's pipeline answers to the evolving needs of patients Mark Parry-Billings (Parma (PR), Italy)	5088
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7.3K Session 513 17:15 - 19:15

Industry evening symposium: Inflammation and Treatable Traits in COPD: How to Reconcile Strategy and Practice

Organised by AstraZeneca PLC

Chairs : Dave Singh (Manchester, United Kingdom)

17:15	Welcome and Introductions Dave Singh (Manchester, United Kingdom)	5089
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17:25	Inflammation in COPD Fernando J. Martinez (New York, United States of America)	5090
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17:50	Treatable Traits in COPD Mona Bafadhel (Oxford (Oxfordshire), United Kingdom)	5091
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18:15	Recent Clinical Advances in COPD Gary T. Ferguson (Farmington Hills, United States of America)	5092
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18:40	Panel Discussion and Audience Q&A	5093
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19:10	Meeting Close Dave Singh (Manchester, United Kingdom)	5094
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7.3M Session 514 17:15 - 19:15

Industry evening symposium: Anti-IL-5 treatment options for the severe eosinophilic asthma patient: Are they all the same?

Organised by GSK

Chairs : Marc Humbert (Paris, France)

17:15	Who is a candidate for anti-IL-5 therapy? Marc Humbert (Paris, France)	5095
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17:30	Eosinophil functions and the role of IL-5 Peter H. Howarth (Southampton (Hampshire), United Kingdom)	5096
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17:50	What is the clinical profile of anti-IL-5 therapy in the severe eosinophilic asthma patient? Brian Kent (London, United Kingdom)	5097
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18:15	What happens long term with IL-5 therapy? Arnaud Bourdin (Montpellier Cedex 5, France)	5098
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18:35	Start or stop? Strategy for patient selection Neil Martin (Leicester (Leicestershire), United Kingdom)	5099
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18:55	Q&A and Chair's close: Are they all the same? Marc Humbert (Paris, France)	5100
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7.3P Session 515 17:15 - 19:15

Industry evening symposium: Priorities and preferences: Does inhaler choice make a difference in COPD?

Organised by Boehringer Ingelheim International GmbH

Chairs : Daniel Dusser (Paris, France), David M. G. Halpin (Exeter Devon, United Kingdom)

17:15	Starting with our patients: What are the practical realities? Daniel Dusser (Paris, France), David M. G. Halpin (Exeter Devon, United Kingdom)	5101
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17:25	Inhaler choice in airways disease: Why does it matter? David M. G. Halpin (Exeter Devon, United Kingdom)	5102
17:45	Optimizing inhaler choice: What is important? John Haughney (Aberdeen (Aberdeenshire), United Kingdom)	5103
18:05	Getting it right: How can we help our patients to manage their inhalers? Sinthia Bosnic-Anticevich (Sydney (NSW), Australia)	5104
18:25	Putting inhaler choice into perspective: What do our patients want and need? Richard E. K. Russell (Lymington (Hampshire), United Kingdom)	5105
18:45	Q&A	5106
19:10	Closing comments Daniel Dusser (Paris, France), David M. G. Halpin (Exeter Devon, United Kingdom)	5107

7.2A Session 516 17:30 - 19:00

Industry evening mini symposium: The Next Step in Disease Management from an Interventional Pulmonology Perspective: Focusing on Lung Nodules and Emphysema

Organised by Broncus Medical

Chairs : Felix J.F. Herth (Heidelberg, Germany)

17:30	Welcome and Introduction Felix J.F. Herth (Heidelberg, Germany)	5108
17:40	Bronchoscopic Thermal Vapor Ablation: Best Practice Recommendations from an Expert Panel on Endoscopic Lung Volume Reduction Daniela Gompelmann (Heidelberg, Germany)	5109
17:55	Removal of Diseased Emphysematous Tissue with Bronchoscopic Thermal Vapor Ablation Arschang Valipour (Wien, Austria)	5110
18:10	Interim Analysis on the Evaluation of the Archimedes™ System for Transparenchymal Nodule Access (The EAST 2 Study) Gerard J. Criner (Philadelphia, United States of America)	5111
18:25	Seek and Destroy: Moving into Bronchoscopic Therapeutics Felix J.F. Herth (Heidelberg, Germany)	5112
18:40	Panel Discussion and Q&A	5113

7.2B Session 517 17:30 - 19:00

Industry evening mini symposium: Can the ESC/ERS Pulmonary Hypertension Guideline Targets be Achieved?

Organised by Merck & Co, Inc.

Chairs : Carmine Dario Vizza (Roma (RM), Italy)

17:35	Assessing the mortality risk in PAH Patients	5114
17:45	What to do when patients don't reach the treatment goals?	5115
18:30	Interactive Discussion	5116

7.2D Session 518 17:30 - 19:00

Industry evening mini symposium: Novelties in ICS nebulization treatments

Organised by AstraZeneca PLC

Chairs : Kevin Murphy (Omaha, United States of America), Nanshan Zhong (Guangzhou (Guangdong), China)

17:30	Welcome and introduction Kevin Murphy (Omaha, United States of America), Nanshan Zhong (Guangzhou (Guangdong), China)	5117
17:35	Systemic steroid overuse in children and adults: past or future? Chipps Bradley Elliott (Sacramento, United States of America)	5118

17:50	Clinical evidence for therapeutic strategies with nebulization in children Kevin Murphy (Omaha, United States of America)	5119
18:05	Time for another route in treating AECOPD? Rongchang Chen (Guangzhou, China)	5120
18:20	Practical approaches to nebulization: latest algorithms Kevin Murphy (Omaha, United States of America)	5121
18:35	Panel discussion and audience Q&A	5122
18:55	Summary and closing remarks Kevin Murphy (Omaha, United States of America), Nanshan Zhong (Guangzhou (Guangdong), China)	5123

7.3W Session 519 17:30 - 19:00

Industry evening expert forum: Controversies in NTM lung disease - an interactive case discussion

Organised by Insmid Ireland Ltd.

Chairs : James D. Chalmers (Dundee (Angus), United Kingdom)

17:30	James D. Chalmers (Dundee (Angus), United Kingdom)	5124
17:30	Jakko van Ingen (Nijmegen, Netherlands)	5125
17:30	Claire Andrejak (Amiens, France)	5126

7.3X Session 520 17:30 - 19:00

Industry evening expert forum: Protection of Patients With Chronic Respiratory Diseases and Other Comorbid Conditions Against Pneumonia: Changing Paradigms

Organised by Pfizer

Chairs : Pierre-Régis Burgel (Sorbonne Paris Cité, France)

17:30	Welcome and Introduction Pierre-Régis Burgel (Sorbonne Paris Cité, France)	5127
17:35	A Population at Risk: The Burden of Pneumonia in Patients With COPD and Other Risk Conditions Gernot G.U. Rohde (Frankfurt am Main, Germany)	5128
17:55	Rethinking Pneumococcal Vaccination Strategies Based on Novel Data Antoni Torres (Barcelona, Spain)	5129
18:25	Protecting Patients at Risk Against Pneumococcal Pneumonia: Threats, Weaknesses, and Opportunities Abdullah Sayiner (Izmir, Turkey)	5130
18:40	Podium Discussion	5131

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