



# ERS CONGRESS | 2024

7-11 September | Vienna, Austria

## Programme



#ERSCONGRESS

Outside the congress  
centre

Session 1

14:00 - 15:00

Public: Press conference

## Stolz 1

## Session 2

08:00 - 19:15

## OSCE examination : Thoracic ultrasound training programme Part 3 - OSCE examination - by invitation only

**Aims :** BY INVITATION ONLY - This session is the final part of the ERS Thoracic ultrasound training programme, for more information on the programme and how to register please visit: <https://www.ersnet.org/education-and-professional-development/ers-certified-training-programmes/thoracic-ultrasound-certified-training-programme/>

**Method(s) :** Imaging

**Chairs :** Christian B. Laursen (Odense M, Denmark), Pia Iben Pietersen (Odense C, Denmark), Najib M. Rahman (ABINGDON, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom), Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Lars Konge (Copenhagen, Denmark, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)

08:15	<b>TUS Part 3 - OSCE: Round 1</b> Radhika Banka (Mumbai (Maharashtra), India), Christian B. Laursen (Odense M, Denmark), Nick Maskell (Bristol (Avon), United Kingdom), Lars Konge (Copenhagen, Denmark, Denmark), Anand Sundaralingam (Oxford, United Kingdom)	1
09:20	<b>TUS Part 3 - OSCE: Round 2</b> Nick Maskell (Bristol (Avon), United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Dinesh Addala (Oxford, United Kingdom)	2
10:25	<b>TUS Part 3 - OSCE: Round 3</b> Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Anand Sundaralingam (Oxford, United Kingdom), Christian B. Laursen (Odense M, Denmark)	3
11:30	<b>TUS Part 3 - OSCE: Round 4</b> Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Dinesh Addala (Oxford, United Kingdom), Christian B. Laursen (Odense M, Denmark)	4
12:35	<b>TUS Part 3 - OSCE: Round 5</b> Nick Maskell (Bristol (Avon), United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Alguili Elsheikh (Oxford, United Kingdom)	5
13:40	<b>TUS Part 3 - OSCE: Round 6</b> Alguili Elsheikh (Oxford, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Anders Bo Nielsen (Odense C, Denmark)	6
14:45	<b>TUS Part 3 - OSCE: Round 7</b> Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)	7
15:50	<b>TUS Part 3 - OSCE: Round 8</b> Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)	8
16:55	<b>TUS Part 3 - OSCE: Round 9</b> Jouke T. Annema (Amsterdam, Netherlands), Casper Falster (Odense, Denmark), Pia Iben Pietersen (Odense C, Denmark), Alguili Elsheikh (Oxford, United Kingdom), Beenish Iqbal (Oxford, United Kingdom)	9
18:00	<b>TUS Part 3 - OSCE: Round 10</b> Jouke T. Annema (Amsterdam, Netherlands), Casper Falster (Odense, Denmark), Pia Iben Pietersen (Odense C, Denmark), Alguili Elsheikh (Oxford, United Kingdom), Beenish Iqbal (Oxford, United Kingdom)	10

## Lehar 2

## Session 3

08:30 - 13:30

## Academy: Academy of paediatric respiratory medicine - €

Additional registration is required for this session.

**Chairs :** Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

08:30	<b>Endoscopy</b> Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)	11
09:15	<b>Lung function tests</b> Nicolas Regamey (Lucerne, Switzerland), Annelies M. Zwitserloot (Groningen, Netherlands)	12
10:00	<b>Imaging and ultrasound</b> Carolina Casini (Roma (RM), Italy), Meinrad Beer (Ulm, Germany)	13

10:45	<b>Break</b> All Speakers	14
11:15	<b>Bronchial asthma and wheezing disorders</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)	15
12:00	<b>Non-cystic fibrosis bronchiectasis</b> Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)	16
12:45	<b>Sleep disorders</b> Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)	17

### Lehar 3 Session 4 09:00 - 17:00

#### NEXT: Networking Excellence Training Programme (NEXT) - by invitation only

**Aims :** By invitation only - The ERS NEXT programme provides a comprehensive training programme for ERS early career abstract presenters

**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

09:00	<b>Welcome and overview of the day</b> Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Monika Gappa (Düsseldorf, Germany)	18
09:15	<b>Ice-breaker</b> Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)	19
09:30	<b>Presentation skills</b> All Speakers	20
10:00	<b>Presentations skills - Breakout• oral presentations beginners - Chiara, Susanne• oral presentations some experience - Mona, Maria Joana• oral presentations some experience - Karen, Dorina• posters - Matteo, Amanda</b> Chiara Premuda (Milano, Italy), Susanne Vijverberg (Amsterdam, Netherlands), Amanda Dandanell Juul (Odense S, Denmark), Mona Lichtblau (Zürich, Switzerland), Maria Joana Pereira Catarata (Porto, Portugal), Dorina Rama Esendagli (Ankara, Turkey), Matteo SICILIANO (ROMA, Italy), Catharina C. Moor (Rotterdam, Netherlands)	21
11:30	<b>Coffee Break</b> All Speakers	22
12:00	<b>Moderating sessions</b> All Speakers	23
13:00	<b>Mentoring lunch (with ERS leadership)</b> All Speakers	24
14:30	<b>Keynote: Manuscript writing and publishing</b> James D. Chalmers (Dundee (Angus), United Kingdom)	25
15:00	<b>Manuscript writing/publishing – Breakout Group 1 – ChiaraGroup 2 – Maria JoanaGroup 3 – DorinaGroup 4 – Amanda</b> Chiara Premuda (Milano, Italy), Maria Joana Pereira Catarata (Porto, Portugal), Dorina Rama Esendagli (Ankara, Turkey), Amanda Dandanell Juul (Odense S, Denmark)	26
15:30	<b>Coffee Break</b> All Speakers	27
15:50	<b>Complimentary skills to achieve success - round table discussions</b> Sejal Saglani (London, United Kingdom), Rory Morty (Heidelberg, Germany), Mina Gaga (Athens, Greece), Mona Lichtblau (Zürich, Switzerland)	28
16:45	<b>Feedback and key take-home messages</b> Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)	29

### Stolz 2 Session 5 09:00 - 15:45

**Academy: Academy of pulmonary rehabilitation - advanced: Part 2 - €**  
Additional registration is required for this session.

<b>09:00</b>	<b>Introduction to workshops</b> Ioannis Vogiatzis (Blyth, United Kingdom), Daniel Langer (Leuven, Belgium), Joana Cruz (Leiria, Portugal)	<b>30</b>
<b>09:15</b>	<b>Field and cycling tests</b> Thomas Gille (Bobigny, France), Sally J. Singh (Leicester (Leicestershire), United Kingdom), Ioannis Vogiatzis (Blyth, United Kingdom), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)	<b>31</b>
<b>09:15</b>	<b>Muscle strength tests</b> Frits M.E. Franssen (Maastricht, Netherlands), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)	<b>32</b>
<b>09:15</b>	<b>Physical activity assessment</b> Heleen Demeyer (Leuven, Belgium), Fabio De Oliveira Pitta (Londrina, Brazil), Elena Gimeno-Santos (Barcelona, Spain), Joana Cruz (Leiria, Portugal)	<b>33</b>
<b>12:00</b>	<b>Lunch break</b> All Speakers	<b>34</b>
<b>13:00</b>	<b>Aerobic exercise training</b> Frits M.E. Franssen (Maastricht, Netherlands), Heleen Demeyer (Leuven, Belgium), Ioannis Vogiatzis (Blyth, United Kingdom), Elena Gimeno-Santos (Barcelona, Spain)	<b>35</b>
<b>13:00</b>	<b>Resistance and inspiratory muscle training</b> Martijn A. Spruit (Horn, Netherlands), Andre Nyberg (Umeå, Sweden), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)	<b>36</b>
<b>13:00</b>	<b>Physical activity coaching</b> Thierry Troosters (Leuven, Belgium), Joana Cruz (Leiria, Portugal), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Fabio De Oliveira Pitta (Londrina, Brazil)	<b>37</b>

Lehar 1

Session 6

09:00 - 17:15

Academy: Academy of adult respiratory medicine - €

Additional registration is required for this session.



13:45	<b>Pulmonary function testing</b> Frans H.C. De Jongh (Enschede, Netherlands), Monika Franczuk (Warszawa, Poland)	44
14:45	<b>Lung imaging</b> Ádám Domonkos Tárnoki (Budapest, Hungary), Grace Parraga (London (ON), Canada)	45
15:45	<b>Break</b> All Speakers	46
16:15	<b>Thoracic oncology</b> Maria Joana Pereira Catarata (Porto, Portugal), Wouter H. van Geffen (Leeuwarden, Netherlands)	47

## Studio Session 7 09:00 - 09:15

### News from the studio: Welcome from chairs

**Aims :** To introduce the congress theme and summarise the congress programme for a day.

**Chairs :** Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria)

## Studio Session 8 09:20 - 10:05

### Pro-Con debate: Cracking the clot: debates on the management of high-risk pulmonary embolism

**Aims :** To provide clinicians who manage acute high-risk pulmonary embolism (PE) with a comprehensive and detailed framework to navigate the complex decision-making process required for effective treatment. Recognising that the landscape of PE management is continuously advancing with new research findings, treatments and guidelines, this session aims to equip healthcare professionals with the latest insights and strategies to enhance patient outcomes. To achieve this, the session will be structured around two key debates that address the most contentious and evolving topics in the field of high-risk PE management today. These debates are designed not only to present contrasting viewpoints and the latest evidence on each issue but also to stimulate critical thinking and discussion among participants.

**Disease(s) :** Pulmonary vascular diseases Respiratory critical care

**Method(s) :** Imaging Respiratory intensive care Surgery

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Thoracic surgeon, Respiratory therapist

**Chairs :** Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria)

09:20	<b>Pro: systemic tissue plasminogen activator (tPA) is a matter of the past</b> Parth Rali (Philadelphia, United States)	48
09:35	<b>Con: systemic tissue plasminogen activator (tPA) is not a matter of the past</b> Olivier Sanchez (Paris, France)	49
09:50	<b>Discussion and Q&amp;A</b> All Speakers	50

## C5 Session 9 09:30 - 11:00

### Primary care session: Digital health to improve respiratory management

#### Introducing new technologies to help primary healthcare

**Aims :** To explain the role of new technologies and digital health to improve the management of chronic respiratory conditions from the perspectives of both healthcare professionals and patients.

**Disease(s) :** Airway diseases

**Method(s) :** General respiratory patient care

**Tag(s) :** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Journalist

**Chairs :** Miguel Román Rodriguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)

09:30	<b>ERS CONNECT: an initiative to improve respiratory management by digital systems</b> Hilary Pinnock (Edinburgh, United Kingdom)	51
09:45	<b>Smart inhalers: present or future tools to improve adherence in primary care?</b> Job F.M. van Boven (Groningen, Netherlands)	52

10:00	<b>Artificial intelligence to help decision-making in primary care</b> Gabriel García (City Bell, Argentina)	53
10:15	<b>Personal management of respiratory risk factors: the role of digital platforms</b> Siân Williams (London, United Kingdom)	54
10:30	<b>Discussion and Q&amp;A</b> All Speakers	55

## C1 Session 10 09:30 - 13:00

### Postgraduate course: PG3 Masterclass in asthma - € Additional registration is required for this session.

**Aims :** To describe the pathophysiology of asthma; to provide an update on asthma diagnosis, assessment and monitoring of the late treatment options, and the role of comorbidities in uncontrolled asthma.

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

**Method(s) :** Physiology

**Target audience :** Adult pulmonologist/Clinician, Medical Student, Nurse, Physician in Pulmonary Training

**Chairs :** Apostolos Bossios (Stockholm, Sweden), Omar S. Usmani (London, United Kingdom)

09:30	<b>Asthma pathophysiology from a clinical perspective: recognise the underlying endotype</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	56
09:50	<b>Discussion and Q&amp;A</b> All Speakers	57
10:00	<b>Diagnosing, assessing and monitoring different asthma phenotypes: current pitfalls and challenges</b> Fabio L. M. Ricciardolo (Torino, Italy)	58
10:20	<b>Discussion and Q&amp;A</b> All Speakers	59
10:30	<b>Endotype-driven therapy for the asthma patient: moving to precision medicine in asthma</b> Sally Wenzel (Pittsburgh, United States)	60
10:50	<b>Discussion and Q&amp;A</b> All Speakers	61
11:00	<b>The role of comorbidities in uncontrolled and difficult-to-treat asthma: the role of the underlying phenotype</b> Ramesh J. Kurukulaaratchy (Southampton, United Kingdom)	62
11:20	<b>Discussion and Q&amp;A</b> All Speakers	63
11:30	<b>Break</b> All Speakers	64
12:00	<b>Group assignment</b> All Speakers	65

## C6 Session 11 09:30 - 11:00

### Language session: Chinese programme 2024 ERS/CTS joint session

**Aims :** To present an overview of hot respiratory disease topics in Europe and China. This session will be delivered in English and translated in Chinese for the online audience.

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

**Method(s) :** General respiratory patient care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Physician in Pulmonary Training, Respiratory therapist

**Chairs :** Jieming Qu (Shanghai, China), Silke Ryan (Dublin, Ireland)



09:30	<b>Mild and atypical asthma, how to improve their diagnosis and treatment</b> Min Zhang (Shanghai, China)	66
09:45	<b>Management of severe asthma and its comorbidities. Towards a personalised approach</b> Anneke ten Brinke (Leeuwarden, Netherlands)	67
10:00	<b>Implication of novel measures to evaluate the severity of obstructive sleep apnoea comorbid with cardiovascular diseases</b> Yi Xiao (Beijing, China)	68
10:15	<b>Potential of the different measurement parameters of nocturnal hypoxemia in cardiovascular risk stratification</b> Raphael Heinzer (Lausanne, Switzerland)	69
10:30	<b>Discussion and Q&amp;A</b> All Speakers	70

### C3 Session 12 09:30 - 13:00

Postgraduate course: PG4 Early diagnosis and management of interstitial lung diseases - € (Fully booked)

Additional registration is required for this session.

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

Chairs : Maria Molina Molina (Barcelona, Spain), Nazia Chaudhuri (Limavady, United Kingdom)

09:30	<b>Early suspicion of interstitial lung disease</b> Peter George (London, United Kingdom)	71
09:45	<b>Early diagnosis of interstitial lung disease</b> Claudia Ravaglia (Forlì, Italy)	72
10:00	<b>Panel discussion and Q&amp;A</b> All Speakers	73
10:30	<b>Break</b> All Speakers	74
11:00	<b>Early recognition of comorbidities and impact on survival of patients with interstitial lung disease</b> GEORGE MARGARITOPOULOS (THESSALONIKI, Greece)	75
11:15	<b>Connective tissue disorder-associated interstitial lung disease</b> Anna Maria Hoffmann-Vold (Oslo, Norway)	76
11:30	<b>Panel discussion and Q&amp;A</b> All Speakers	77
12:00	<b>Clinical cases discussion: connective tissue disorder / genetics / interstitial lung abnormality / familial interstitial lung disease</b> Pilar Rivera Ortega (Manchester, United Kingdom)	78
12:30	<b>Clinical cases discussion: interstitial lung disease and lung cancer</b> ARGYRIS TZOUVELEKIS (Patras, Greece)	79

### A1 Session 13 09:30 - 13:00

Postgraduate course: PG6 Pulmonary hypertension - €

Additional registration is required for this session.

**Aims** : To present the updated and new clinical data and recommendations from the last seven world symposia on pulmonary hypertension including pulmonary hypertension associated with chronic lung diseases, the principles of treatment of right heart failure, and an emerging multimodality imaging technique of the pulmonary circulation and diagnostic and treatment strategies for chronic thromboembolic pulmonary hypertension (CTEPH); To provide not only thorough and comprehensive updates on different aspects of pulmonary hypertension and cover meaningful diagnostic and therapeutic algorithms, but to also enable fruitful clinical discussion between experts and participants. The presentations will include interactive case studies.

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

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

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Radiologist

**Chairs :** Yochai Adir (Haifa, Israel), Athénaïs Boucly (London, United Kingdom)

<b>09:30</b>	<b>Pulmonary hypertension associated with chronic lung diseases</b> Isabel Blanco Vich (Barcelona, Spain)	<b>80</b>
<b>09:50</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>81</b>
<b>10:00</b>	<b>Principles of treatment of right heart failure</b> John Granton (Toronto (ON), Canada)	<b>82</b>
<b>10:20</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>83</b>
<b>10:30</b>	<b>Emerging multimodality imaging techniques of the pulmonary circulation</b> David Kiely (Sheffield (South Yorkshire), United Kingdom)	<b>84</b>
<b>10:50</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>85</b>
<b>11:00</b>	<b>Diagnostic and treatment strategies for chronic thromboembolic pulmonary disease</b> Marion Delcroix (Leuven, Belgium)	<b>86</b>
<b>11:20</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>87</b>
<b>11:30</b>	<b>Break</b> All Speakers	<b>88</b>
<b>12:00</b>	<b>PG6 Group assignment</b> Marion Delcroix (Leuven, Belgium), Isabel Blanco Vich (Barcelona, Spain)	<b>89</b>

## A3 Session 14 09:30 - 13:00

**Postgraduate course: PG7 Interpretation of lung function results in adults and children - €**  
Additional registration is required for this session.

**Aims :** To explain the reasons for the new interpretive strategies; to explain how interpretation is structured; to describe how to apply these strategies in real cases including children.

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

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

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Andrea Aliverti (Milan, Italy), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

<b>09:30</b>	<b>Interpretation of lung volumes</b> Sanja Stanojevic (Halifax (NS), Canada)	<b>90</b>
<b>09:50</b>	<b>Q&amp;A</b> All Speakers	<b>91</b>
<b>10:00</b>	<b>Case discussion: Interpretation of lung volumes</b> All Speakers, Sanja Stanojevic (Halifax (NS), Canada)	<b>92</b>
<b>10:15</b>	<b>Interpretation of reversibility</b> Vicky Moore (Coventry, United Kingdom)	<b>93</b>
<b>10:35</b>	<b>Q&amp;A</b> All Speakers	<b>94</b>
<b>10:45</b>	<b>Case discussion: Interpretation of reversibility</b> All Speakers, Vicky Moore (Coventry, United Kingdom)	<b>95</b>
<b>11:00</b>	<b>Break</b> All Speakers	<b>96</b>
<b>11:20</b>	<b>Interpretation of diffusion capacity</b> Jörg Leuppi (Liestal, Switzerland)	<b>97</b>

11:40	<b>Q&amp;A</b> All Speakers	98
11:50	<b>Case discussion: Interpretation of diffusion capacity</b> Jörg Leuppi (Liestal, Switzerland)	99
12:05	<b>Interpretation of lung function results in children</b> Nicole Beydon (Paris, France)	100
12:25	<b>Q&amp;A</b> All Speakers	101
12:35	<b>Case discussion: Interpretation of lung function results in children</b> Nicole Beydon (Paris, France)	102
12:50	<b>Final remarks</b> All Speakers	103

## Strauss 1 Session 15 09:30 - 18:00

### Postgraduate course: PG1 Thoracic ultrasound - € (Fully booked)

Additional registration is required for this session.

**Aims :** Expanding your ultrasound skills beyond the pleura and lungs and advanced ultrasound-guided procedures: To provide a solid theoretical framework for development of skills in ultrasonography; to encourage evidence-based practice where possible; to highlight the utility of thoracic ultrasonography for purposes other than identification of pleural fluid, including assessment of other thoracic structures; to describe methods of safely performing thoracic interventions (including image-guided pleural biopsies) after suitable training;

**Method(s) :** Imaging

**Chairs :** Rahul Bhatnagar (Bristol, United Kingdom), Beenish Iqbal (Oxford, United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India)

09:30	<b>Welcome and introduction</b> Beenish Iqbal (Oxford, United Kingdom)	104
09:40	<b>Focused cardiac ultrasound</b> Casper Falster (Odense, Denmark)	105
10:00	<b>Case: Focused cardiac ultrasound</b> All Speakers	106
10:10	<b>Limited compression ultrasonography of the deep veins for deep vein thrombosis assessment</b> Pia Iben Pietersen (Odense C, Denmark)	107
10:30	<b>Case: Limited compression ultrasonography</b> All Speakers	108
10:40	<b>Ultrasound assessment of the diaphragm</b> Søren Helbo Skaarup (Aarhus C, Denmark)	109
11:00	<b>Case: Ultrasound assessment of the diaphragm</b> All Speakers	110
11:10	<b>Q&amp;A</b> All Speakers	111
11:20	<b>Coffee break</b> All Speakers	112
11:40	<b>Use of thoracic ultrasound in an intensive care unit</b> Silvia Mongodi (Pavia, Italy)	113
12:00	<b>Case: Use of thoracic ultrasound in an intensive care unit</b> All Speakers	114
12:10	<b>Use of thoracic ultrasound in an interstitial lung disease clinic</b> Jesper Rømhild Davidsen (Odense C, Denmark)	115
12:30	<b>Case: Use of thoracic ultrasound in an interstitial lung disease clinic</b> All Speakers	116

12:40	<b>Use of evidence-based training principles in thoracic ultrasound in a department</b> Pia Iben Pietersen (Odense C, Denmark)	117
13:00	<b>Case: Use of evidence-based training principles in thoracic ultrasound in a department</b> All Speakers	118
13:10	<b>Q&amp;A</b> All Speakers	119
13:20	<b>Lunch break</b> All Speakers	120
14:00	<b>Advanced thoracic ultrasound for assessment of patients with pleural disease</b> Eihab Bedawi (Sheffield, United Kingdom)	121
14:20	<b>Case: Advanced thoracic ultrasound for assessment of patients with pleural disease</b> All Speakers	122
14:30	<b>Advanced thoracic ultrasound for assessment of patients with chest opacity</b> Christian B. Laursen (Odense M, Denmark)	123
14:50	<b>Case: Advanced thoracic ultrasound for assessment of patients with chest opacity</b> All Speakers	124
15:00	<b>Q&amp;A</b> All Speakers	125
15:10	<b>Break</b>	126
15:30	<b>Ultrasound-guided biopsy of the pleura</b> Dinesh Addala (Oxford, United Kingdom)	127
15:50	<b>Case: Ultrasound-guided biopsy of the pleura</b> All Speakers	128
16:00	<b>Ultrasound-guided biopsy of lymph nodes</b> Anand Sundaralingam (Oxford, United Kingdom)	129
16:20	<b>Case: Ultrasound-guided biopsy of lymph nodes</b> All Speakers	130
16:30	<b>Break</b> All Speakers	131
16:50	<b>Ultrasound-guided biopsy of the lung</b> Małgorzata Jelitto (Gdansk, Poland)	132
17:10	<b>Case: Ultrasound-guided biopsy of the lung</b> All Speakers	133
17:20	<b>Thoracic ultrasound for advanced procedure guidance</b> Wui Mei Chew (Singapore, Singapore)	134
17:40	<b>Case: Thoracic ultrasound for advanced procedure guidance</b> All Speakers	135
17:50	<b>Q&amp;A</b> All Speakers	136

Strauss 2

Session 16

09:30 - 17:30

Postgraduate course: PG2 Sleep-disordered breathing - €  
Additional registration is required for this session.

**Aims :** Phenotypes of sleep-disordered breathing in different comorbidities and diagnosis and management of sleep-disordered breathing: To explain the importance of distinguishing different central sleep apnoea phenotypes and associated syndromes; to compare the diagnostic and therapeutic aspects of obesity hypoventilation with or without obstructive sleep apnoea; to provide an update on various aspects of sleep-disordered breathing in patients with pulmonary vascular disease; to discuss the occurrence and significance of obstructive sleep apnoea and other types of sleep-disordered breathing in patients with neuromuscular and chest wall disorders; to describe available diagnostic tools for obstructive sleep apnoea and to explain their indications, advantages and drawbacks; to discuss the appropriate selection of different positive airway pressure modalities; to summarise and explain supportive care and rehabilitation strategies; to compare different follow-up strategies for patients with sleep-disordered breathing and to describe their application in the clinical context.

**Disease(s) :** Pulmonary vascular diseases Respiratory critical care Sleep and breathing disorders

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

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

**Chairs :** Sophia E. Schiza (Heraklion, Greece), Manuel Sanchez De La Torre (Toledo, Spain), Esther Irene Schwarz (Zürich, Switzerland), Matteo SICILIANO (ROMA, Italy)

09:30	<b>Central sleep apnoea phenotypes and different central sleep apnoea syndromes</b> Renaud Tamisier (Grenoble, France)	137
09:50	<b>Discussion and Q&amp;A</b> All Speakers	138
10:00	<b>Obesity hypoventilation syndrome with and without obstructive sleep apnoea</b> Christopher Turnbull (Oxford (Oxfordshire), United Kingdom)	139
10:20	<b>Discussion and Q&amp;A</b> All Speakers	140
10:30	<b>Break</b> All Speakers	141
11:00	<b>Sleep-disordered breathing in pulmonary vascular disease</b> Silvia Ulrich (Zurich, Switzerland)	142
11:20	<b>Discussion and Q&amp;A</b> All Speakers	143
11:30	<b>Obstructive sleep apnoea and other types of sleep-disordered breathing in neuromuscular and chest wall disorders</b> Esther Irene Schwarz (Zürich, Switzerland)	144
11:50	<b>Discussion and Q&amp;A</b> All Speakers	145
12:00	<b>Group assignment - Part 1</b> Renaud Tamisier (Grenoble, France), Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Silvia Ulrich (Zurich, Switzerland), Esther Irene Schwarz (Zürich, Switzerland)	146
13:00	<b>Lunch break</b> All Speakers	147
14:00	<b>Diagnostic procedures in obstructive sleep apnoea: from conventional methods to new technologies</b> Raphael Heinzer (Lausanne, Switzerland)	148
14:20	<b>Discussion and Q&amp;A</b> All Speakers	149
14:30	<b>Different positive airway pressure modalities: which one for which patient?</b> Dries Testelmans (Leuven, Belgium)	150
14:50	<b>Discussion and Q&amp;A</b> All Speakers	151
15:00	<b>Supportive care and rehabilitation strategies in sleep-disordered breathing</b> Monique Mendelson (Grenoble, France)	152
15:20	<b>Discussion and Q&amp;A</b> All Speakers	153

15:30	<b>Follow-up strategies for sleep-disordered breathing</b> Elisa Perger (Milano, Italy)	154
15:50	<b>Discussion and Q&amp;A</b> All Speakers	155
16:00	<b>Break</b> All Speakers	156
16:30	<b>Group assignment - Part 2</b> Raphael Heinzer (Lausanne, Switzerland), Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Monique Mendelson (Grenoble, France)	157

## Outside the congress centre

### Session 18

10:00 - 11:00

**Public: Healthy Lungs for Life spirometry testing - opening ceremony**

**Chairs :** Monika Gappa (Düsseldorf, Germany)

## Studio

### Session 19

10:30 - 11:15

**Congress theme: Getting the balance right: the ethics of artificial intelligence in clinical decision-making**

**Aims :** To explore ethical challenges of using artificial intelligence (AI) in clinical decision-making.

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Chairs :** Walter De Wever (Leuven, Belgium), Helmut Prosch (Wien, Austria), Io Hui (Edinburgh (Edinburgh), United Kingdom)

10:30	<b>AI and decision-making: the ethicist's view</b> Joshua Hatherley (Aarhus C, Denmark)	159
10:45	<b>AI and decision-making: the clinician's view</b> Joseph Alderman (Birmingham, United Kingdom)	160
11:00	<b>Discussion and Q&amp;A</b> All Speakers	161

## C2

### Session 21

10:45 - 16:45

**Patient: ELF Patient Organisation Networking Day - by invitation only**

**Aims :** By invitation only

**Chairs :** Dimitris Kontopidis (ATHENS, Greece), Mikaela Odemyr (Järved, Sweden), Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom), Ed Powell (Aylesbury, United Kingdom)

10:45	<b>Welcome</b> Dimitris Kontopidis (ATHENS, Greece)	163
10:55	<b>Housekeeping and Networking activity</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom)	164
11:15	<b>Introduction to morning session</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom)	166
11:20	<b>Keynote 1</b> Maria Neira (Geneva, Switzerland)	167
11:40	<b>Q&amp;A</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom)	168
11:50	<b>Comfort break</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom)	169
12:05	<b>Patient Organisation talk 1</b> Nicole Hass (Villagarcía de Arosa, Spain)	170
12:15	<b>Patient Organisation Talk 2</b> Evi Hatziandreou (, Greece)	171

12:25	<b>Patient Organisation talk 3</b> Hilde de Keyser (Brussels, Belgium)	172
12:35	<b>Panel discussion and Q&amp;A</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom), Nicole Hass (Villagarcía de Arosa, Spain), Evi Hatziaandreu (, Greece), Hilde de Keyser (Brussels, Belgium)	173
12:50	<b>Advocacy video reel 1</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom)	
13:00	<b>Lunch break and networking</b> Mikaela Odemyr (Järved, Sweden), Ed Powell (Aylesbury, United Kingdom)	174
14:00	<b>Introduction to afternoon session</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	175
14:05	<b>Advocacy video reel 2</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	
14:15	<b>Breakout discussion groups</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	176
15:05	<b>Plenary</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	177
15:20	<b>Comfort break</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	178
15:30	<b>Breakout discussion groups: action planning</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	179
16:15	<b>Plenary</b> Abdullah Ihsan (Maidenhead, United Kingdom), Helen Parks (Lisburn, United Kingdom)	180
16:30	<b>ERS President address</b> Monika Gappa (Düsseldorf, Germany), Silke Ryan (Dublin, Ireland)	181
16:40	<b>Closing</b> Dimitris Kontopidis (ATHENS, Greece)	182

## Outside the congress centre

### Session 22

11:00 - 18:00

#### Public: Healthy Lungs for Life Public Event

Chairs : Katherine Wylie (Ixelles, Belgium)

## C5

### Session 23

11:15 - 12:45

#### Primary care session: First-line essential interventions for appropriate primary respiratory care

**Aims :** To review essential interventions for appropriate primary respiratory care that are sometimes forgotten because they go further than diagnosis and pharmacological management.

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

**Chairs :** Miguel Román Rodríguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)

11:15	<b>The importance of frailty assessment and management in COPD patients</b> Ioanna Tsiligianni (Heraklion (Crete), Greece)	183
11:30	<b>How to best implement motivational communication in our day-to-day primary care respiratory consultations</b> Kim Lavoie (Montréal (QC), Canada)	184



11:45	<b>How to deal with polypharmacy in respiratory primary healthcare</b> Frances Mair (Glasgow, United Kingdom)	185
12:00	<b>The main role of vaccination in primary care for respiratory infection prevention</b> Rui Manuel Peixoto Da Costa (Porto, Portugal)	186
12:15	<b>Discussion and Q&amp;A</b> All Speakers	187

## C6 Session 24 11:15 - 12:45

### Language session: French programme 2024

#### A joint ERS/SPLF session

**Aims :** News in respiratory diseases.

This session will be delivered in French and translated in English for the online audience.

**Disease(s) :** Pulmonary vascular diseases Respiratory infections Thoracic oncology

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Medical Student

**Chairs :** Jesus Gonzalez Bermejo (Montlignon, France), Maeva Zysman (cabanac et villagrains, France)

11:15	<b>PRISm and pre-COPD : new concepts / PRISm et pré-BPCO : nouveaux concepts</b> Gaëtan Deslee (Reims, France)	188
11:25	<b>Anti-asthma vaccination / Vaccination anti-asthmatique</b> Laurent Guilleminault (Toulouse Cedex, France)	189
11:35	<b>Community acquired pneumonia : what's new with 2024 recommendations / Pneumonies aiguës communautaires : ce que changent les nouvelles recommandations</b> Claire Andrejak (Amiens, France)	190
11:45	<b>Sickle cell anemia : a chronic respiratory disease ? / La drépanocytose : une maladie respiratoire chronique ?</b> Bernard Maitre (Créteil Cedex, France)	191
11:55	<b>Treatment of pulmonary hypertension associated with diffuse interstitial lung disease : Why ? For whom ? How ? / Traitement de l'hypertension pulmonaire associée aux pneumopathies interstitielles diffuses : Pourquoi ? Pour qui ? et comment ?</b> Segolene Turquier (bron, France)	192
12:05	<b>News on the perioperative management of non-small cell lung cancers – forme immunotherapy to targeted therapies / Actualité de la prise en charge péri-opératoire des cancers bronchiques non à petites cellules – de l'immunothérapie aux thérapies ciblées</b> Virginie Westeel (Besançon, France)	193
12:15	<b>Discussion and Q&amp;A</b> All Speakers	194

## Studio Session 26 11:30 - 11:55

### Experts interview: Ultra-high-resolution photon-counting computed tomography imaging of the chest: a new era for morphology and function

**Aims :** To introduce the basic principles of photon-counting computed tomography (CT); to explain its potential for ultra-high resolution imaging of the lung and explore whether this translates into clinical benefits for morphological and functional lung imaging.

**Method(s) :** Imaging

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Chairs :** Walter De Wever (Leuven, Belgium), Helmut Prosch (Wien, Austria), Io Hui (Edinburgh (Edinburgh), United Kingdom)

11:30	<b>Ultra-high-resolution photon-counting computed tomography imaging of the chest: a new era for morphology and function</b> Jonas Kroschke (Zürich, Switzerland)	196
11:45	<b>Discussion and Q&amp;A</b> All Speakers	197



**Studio** **Session 28** **12:25 - 12:50****Experts interview: When the clinician meets the basic scientist: translational science**

**Aims :** To discuss the differences in understanding of disease; to explain the gaps in knowledge that need to be filled in order to facilitate the correct treatment; to discuss how fruitful and stimulating interactions between clinical and basic scientists that drive advancement of diagnosis and therapies can be enabled.

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

**Tag(s) :** Translational

**Chairs :** Silke Meiners (Sülfeld, Germany), Merete Bridget Long (Dundee, United Kingdom)

12:25	<b>When the clinician meets the basic scientist: translation science</b> James D. Chalmers (Dundee (Angus), United Kingdom)	199
12:40	<b>Discussion and Q&amp;A</b> All Speakers	200

**C5** **Session 31** **13:45 - 14:50****Paediatric day: Beyond wheezing and asthma in children**

**Aims :** to present increasing evidence of clinical traits that may predict asthma; to discuss the new respiratory syncytial virus (RSV) vaccine which has the potential to change the epidemiology of RSV infections in infants and newborns and may also impact asthma development; to discuss potential impacts; to discuss the Global Initiative for Asthma guidelines that provide evidence-based recommendations for the treatment of asthma and related controversy about how to implement these recommendations in daily practice.

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

**Method(s) :** Epidemiology General respiratory patient care Physiology

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist

**Chairs :** Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

13:45	<b>Can we predict who has asthma among preschool children with wheezing?</b> Sejal Saglani (London, United Kingdom)	203
14:00	<b>Will the new respiratory syncytial virus vaccination change the epidemiology and our practice?</b> Fabio Midulla (Roma (RM), Italy)	204
14:15	<b>Imaging of congenital airway and lung malformations</b> Pierluigi Ciet (Rotterdam, Netherlands)	205
14:30	<b>Discussion and Q&amp;A</b> All Speakers	206

**C1** **Session 32** **14:00 - 17:30****Postgraduate course: PG8 Masterclass in chronic obstructive pulmonary disease - €**

**Additional registration is required for this session.**

**Aims :** To provide an update on the latest findings about the pathophysiology, diagnosis, assessment and monitoring of chronic obstructive pulmonary disease (COPD), the latest pharmacological treatment, and co- and multimorbidity in patients with COPD.

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

**Method(s) :** Physiology

**Target audience :** Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Physician in Pulmonary Training

**Chairs :** Florence Schleich (Liège, Belgium), Alexander Mathioudakis (Manchester, United Kingdom)

14:00	<b>Pathophysiological basis of COPD in different exposomes</b> Maarten van den Berge (Groningen, Netherlands)	207
14:20	<b>Discussion and Q&amp;A</b> All Speakers	208
14:30	<b>Diagnosis, assessment, and monitoring of COPD, from Pre-COPD and early-COPD to preserved ratio impaired spirometry and COPD</b> Francesca Polverino (Houston, United States)	209

14:50	<b>Discussion and Q&amp;A</b> All Speakers	210
15:00	<b>Current and future pharmacological treatment of different COPD phenotypes: from non-pharmacological interventions to the biologics era</b> Dave Singh (Manchester, United Kingdom)	211
15:20	<b>Discussion and Q&amp;A</b> All Speakers	212
15:30	<b>COPD, exacerbations and cardiovascular disease: looking at the big picture to help our patients</b> Andriana Papaioannou (Vrilissia (Athens), Greece)	213
15:50	<b>Discussion and Q&amp;A</b> All Speakers	214
16:00	<b>Break</b> All Speakers	215
16:30	<b>Group assignment</b> Dave Singh (Manchester, United Kingdom), Andriana Papaioannou (Vrilissia (Athens), Greece)	216

## C6 Session 33 14:00 - 15:30

### Language session: Spanish/Portuguese programme 2024

#### Emergencies in Pulmonology. A joint ERS/ALAT/SBPT/SEPAR/SPP session

**Aims :** The session aims to approach emergency situations in clinical practice of pulmonologists, dealing with frequency, importance and management of this situations. This session will be delivered in Spanish and Portuguese.

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training

**Chairs :** Octávio Messeder (Salvador (BA), Brazil), Valeria Maria Augusto (Belo Horizonte (MG), Brazil)

14:00	<b>PrPrevalence, risk factors and clinical characteristics of thromboembolism in acute exacerbations of COPD</b> Arturo Humberto Huerta Garcia (Barcelona, Spain)	217
14:15	<b>Severe community-acquired pneumonia</b> Francisco Arancibia Hernandez (Santiago de Chile, Chile)	218
14:30	<b>Oncological emergencies</b> Valeria Maria Augusto (Belo Horizonte (MG), Brazil)	219
14:45	<b>COPD exacerbations</b> Ana Sofia Alexandre De Oliveira (Lisboa, Portugal)	220
15:00	<b>Discussion and Q&amp;A</b> All Speakers	221

## A2 Session 34 14:00 - 17:30

### Postgraduate course: PG5 How to improve the success of non-invasive respiratory support therapies - €

Additional registration is required for this session.

**Aims :** To discuss the best practices in non-invasive respiratory support therapies for patients with acute and chronic respiratory failure; to review new developments in non-invasive respiratory support therapies (from high-flow nasal oxygen therapy to non-invasive ventilation).

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

**Target audience :** Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Christoph Fisser (Regensburg, Germany)

14:00	<b>Non-invasive respiratory support therapies in the hypoxemic patient: indications and limitations</b> Ana Cysneiros (Lisboa, Portugal)	222
14:20	<b>Discussion and Q&amp;A</b> All Speakers	223
14:30	<b>Non-invasive respiratory support therapies in the acute setting: how to improve the success rate of weaning</b> Miquel Ferrer Monreal (Barcelona, Spain)	224
14:50	<b>Discussion and Q&amp;A</b> All Speakers	225
15:00	<b>Group assignment - Part 1</b> Miquel Ferrer Monreal (Barcelona, Spain), Ana Cysneiros (Lisboa, Portugal)	226
15:30	<b>Break</b> All Speakers	227
16:00	<b>Non-invasive respiratory support in acute and chronic COPD</b> Lara Pisani (Bologna (BO), Italy)	228
16:20	<b>Discussion and Q&amp;A</b> All Speakers	229
16:30	<b>Non-invasive respiratory support therapies in the chronic setting: how to optimise the patient-ventilator interaction</b> Rebecca D'Cruz (London, United Kingdom)	230
16:50	<b>Discussion and Q&amp;A</b> All Speakers	231
17:00	<b>Group assignment - Part 2</b> Lara Pisani (Bologna (BO), Italy), Rebecca D'Cruz (London, United Kingdom)	232

## C3 Session 35 14:00 - 17:30

### Postgraduate course: PG9 Cardiopulmonary exercise testing to evaluate unexplained breathlessness - €

Additional registration is required for this session.

**Aims :** To explain the role of cardiopulmonary exercise testing (CPET) as the optimal tool to evaluate exertional dyspnoea; to describe the physiological patterns that can be identified by CPET in the assessment of exertional breathlessness; to explain how to utilise CPET in order to differentiate between cardiac, respiratory, vascular, peripheral and other causes of unexplained breathlessness.

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

**Method(s) :** Physiology Pulmonary function testing Pulmonary rehabilitation

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist

**Chairs :** Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Sam Bayat (Grenoble, France)

14:00	<b>Unexplained or complex breathlessness: what is the problem and how does CPET fit in?</b> James H. Hull (London, United Kingdom)	233
14:20	<b>Discussion and Q&amp;A</b> All Speakers	234
14:30	<b>How can pulmonologists use CPET to reveal the cause of unexplained breathlessness in lung diseases?</b> J. Alberto Neder (Kingston (ON), Canada)	235
14:50	<b>Discussion and Q&amp;A</b> All Speakers	236
15:00	<b>The breathless patient with cardiovascular disease: using CPET to find an answer</b> Afroditi Boutou (Thessaloniki, Greece)	237
15:20	<b>Discussion and Q&amp;A</b> All Speakers	238

15:30	<b>Multiple causes of breathlessness in long COVID patients: utilising CPET to help diagnosis</b> Ingunn Skjærten (Oslo, Norway)	239
15:50	<b>Discussion and Q&amp;A</b> All Speakers	240
16:00	<b>Break</b> All Speakers	241
16:30	<b>PG9 Group assignment: Clinical cases discussion</b> J. Alberto Neder (Kingston (ON), Canada), James H. Hull (London, United Kingdom)	242

## A1 Session 36 14:00 - 17:30

Postgraduate course: PG10 Management of respiratory infection: lessons learnt from ECRAID-Base clinical trials - €

Additional registration is required for this session.

**Aims :** To present the most relevant findings of this multi-study European project; to provide the latest “state of the art” in evidence-based research of respiratory infections.

**Disease(s) :** Respiratory critical care Respiratory infections

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

**Target audience :** Clinical researcher, General practitioner, Respiratory critical care physician, Medical Student, Physician in Pulmonary Training, Adult pulmonologist/Clinician

**Chairs :** Eva Polverino (Barcelona, Spain)

14:00	<b>The landscape of adaptive platform trials in critical care: the case of REMAP-CAP (Randomised, Embedded, Multi-factorial, Adaptive Platform trial for Community-Acquired Pneumonia)</b> Lennie P. G. Derde (Utrecht, Netherlands)	243
14:20	<b>Q&amp;A</b> All Speakers	244
14:30	<b>Perpetual observational study in acute respiratory infections in a primary care setting (POS-ARI-PC)</b> Nguyen Tran (Oxford, United Kingdom)	245
14:50	<b>Q&amp;A</b> All Speakers	246
15:00	<b>What do we need to rapidly implement clinical trials in ventilator-associated pneumonia?</b> Ana Catalina Hernandez Padilla (Limoges, France)	247
15:20	<b>Q&amp;A</b> All Speakers	248
15:30	<b>Team science: how research in acute respiratory infections is changing</b> Marc Bonten (Utrecht, Netherlands)	249
15:50	<b>Q&amp;A</b> All Speakers	250
16:00	<b>Break</b> All Speakers	251
16:30	<b>PG10 Round table discussion: ECRAID-Base clinical trials</b> All Speakers	252
17:10	<b>PG10 Panel discussion</b> All Speakers	253

## A3 Session 37 14:00 - 17:30

Postgraduate course: PG11 The latest developments in culture models for respiratory research - €

Additional registration is required for this session.

**Aims :** To describe the latest developments in in vitro and ex vivo culturing techniques; to explain how these novel state-of-the-art culturing techniques can be utilised to advance respiratory research.

**Disease(s) :** Airway diseases Paediatric respiratory diseases Respiratory infections**Method(s) :** Cell and molecular biology Physiology**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Pathologist, Physician in Pulmonary Training, Scientist (basic, translational), Thoracic oncologist**Chairs :** Silke Meiners (Sülfeld, Germany), H. Irene Heijink (Groningen, Netherlands)

14:00	<b>Next-generation lung organoids: modelling vascularised alveolar regions of the distal lung</b> Anna Krasnodembskaya (Belfast (Belfast), United Kingdom)	254
14:20	<b>Discussion and Q&amp;A</b> All Speakers	255
14:30	<b>3D bronchial epithelial cells models to study cystic fibrosis and host pathogen interactions</b> Aurélië Crabbé (Ghent, Belgium)	256
14:50	<b>Discussion and Q&amp;A</b> All Speakers	257
15:00	<b>Novel open-source chip models to study lung epithelial repair responses and inter-organ communication</b> Simon D. Pouwels (Zuidhorn, Netherlands)	258
15:20	<b>Discussion and Q&amp;A</b> All Speakers	259
15:30	<b>Implementing mechanobiology into advanced three-dimensional models to study airway diseases</b> Janna Nawroth (Munich, Germany)	260
15:50	<b>Discussion and Q&amp;A</b> All Speakers	261
16:00	<b>Break</b> All Speakers	262
16:30	<b>Group assignment</b> All Speakers	263

**Lehar 2****Session 38****14:00 - 17:30****Postgraduate course: PG12 Tissue and targets in lung cancer - €**

Additional registration is required for this session.

**Aims :** to identify optimal route to tissue acquisition in lung cancer, 2. to discuss referral indications for molecular testing, differentiate and interpret appropriate reports 3. to identify and treat common targetable mutations 4. to discuss and compare neo+/-adjuvant versus both and provide up to date algorithms for real life clinical situations.**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Imaging**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist**Chairs :** Eric Daniel Tenda (Jakarta, Indonesia), Vincent Fallet (Paris, France)

14:00	<b>Optimal route to tissue acquisition according to clinical stage and treatment options in lung cancer</b> Anneloes L. Noordhof (Leeuwarden, Netherlands)	264
14:20	<b>Discussion and Q&amp;A</b> All Speakers	265
14:30	<b>Molecular testing in stage I-IV; indications and interpretation of results</b> Joanna Chorostowska-Wynimko (Warsaw, Poland)	266
14:50	<b>Discussion and Q&amp;A</b> All Speakers	267
15:00	<b>Treatment of common mutations in NSCLC, KRAS and EGFR</b> Wouter H. van Geffen (Leeuwarden, Netherlands)	268
15:20	<b>Discussion and Q&amp;A</b> All Speakers	269

15:30	<b>Perioperative treatments in early-stage NSCLC; neoadjuvant versus adjuvant versus both approaches. Which one to choose?</b> Torsten Gerriet Blum (Berlin, Germany)	270
15:50	<b>Discussion and Q&amp;A</b> All Speakers	271
16:00	<b>Break</b> All Speakers	272
16:30	<b>Group assignment</b> Joanna Chorostowska-Wynimko (Warsaw, Poland), Anneloes L. Noordhof (Leeuwarden, Netherlands)	273

## Studio Session 39 14:00 - 14:45

### Pro-Con debate: Smoke-free Europe: utopia or feasible reality?

**Aims :** To present pros and cons of the concept of a "smoke-free generation" which typically refers to a societal goal of reducing or eliminating smoking and tobacco use among young people to create a generation that is largely free from the health risks associated with smoking; to discuss ipros and cons of implementation of the policies and interventions aimed at preventing young people from starting to smoke, as well as supporting current smokers to quit; to explain advantages and barriers for the process of creating a smoke-free generation that can have significant public health benefits, reducing the prevalence of smoking-related diseases and improving overall population health.

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

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

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Thoracic oncologist, Respiratory therapist, Journalist

**Chairs :** Stamatoula Tsikrika (Athens, Greece), Charlotte Suppli Ulrik (Virum, Denmark)

14:00	<b>Pro: the goal of a smoke-free generation</b> Nicholas Hopkinson (London, United Kingdom)	274
14:15	<b>Con: barriers to creating a smoke-free generation</b> Paraskevi Katsaounou (Athens, Greece)	275
14:30	<b>Discussion and Q&amp;A</b> All Speakers	276

## C5 Session 42 15:05 - 16:10

### Paediatric day: Sleep and breathing in children

**Aims :** To discuss how big data and innovative data science methods provide tools to better understand paediatric respiratory diseases related to sleep-disordered breathing and to overcome disparities.

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

15:05	<b>Sleep-disordered breathing in children</b> Hui Leng Tan (London, United Kingdom)	279
15:20	<b>What we can learn from big data for paediatric respiratory medicine</b> Jennifer Quint (Wimbledon, United Kingdom)	280
15:35	<b>Treatment of chronic cough in young children: only frustration?</b> Angela Zacharasiewicz (Wien, Austria)	281
15:50	<b>Discussion and Q&amp;A</b> All Speakers	282

C5

Session 44

16:25 - 17:30

**Paediatric day: Diversity, equity and inclusion in the paediatric asthma field**

**Aims :** To discuss enormous disparities in healthcare that exist across the globe not only in low- and middle-income countries where access to healthcare is poor, but also within the highest income settings; to discuss diversity, equity and inclusion in the paediatric asthma field.

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

**Method(s) :** Epidemiology General respiratory patient care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

16:25	<b>Health disparities and structural racism in communities</b> Wanda Phipatanakul (Hopkintkn, United States)	284
16:40	<b>The child health inequalities toolkit</b> Ian Sinha (Liverpool (Merseyside), United Kingdom)	285
16:55	<b>How to be an advocate for respiratory child health</b> Monika Gappa (Düsseldorf, Germany)	286
17:10	<b>Discussion and Q&amp;A</b> All Speakers	287

C4

Session 48

17:45 - 20:00

**Ceremony and networking sessions: Opening Session**

**Aims :** This session will officially open the ERS Congress 2024. It will feature a keynote presentation from Dr Bertalan Mesko, PhD, also known as The Medical Futurist. Dr Mesko has delivered more than 900 keynotes at prestigious institutions and has been featured in major media outlets. His research focuses on the role of artificial intelligence and digital health technologies in shaping the future of care. Dedicated to pioneering medical futures studies as a scientific discipline, Dr Mesko aims to make futures methods widely accessible in healthcare.

**Chairs :** Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria)



## Stolz 1

## Session 50

08:00 - 10:20

**Skills workshop: SW1 SW1 - Diagnostic techniques for sleep breathing disorders - €**  
Additional registration is required for this session.

**Aims :** To provide an interactive demonstration and hands-on training of different techniques and tools that are essential for the diagnosis of sleep breathing disorders; to provide practical training for choosing the right type of sleep studies in clinical practice, interpreting polysomnography and polygraphy signals in adults and children, and evaluating daytime sleepiness.

**Disease(s) :** Paediatric respiratory diseases Sleep and breathing disorders

**Method(s) :** General respiratory patient care Physiology

**Target audience :** Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

**Chairs :** Esther Irene Schwarz (Zürich, Switzerland), Matteo Bradicich (Zurich, Switzerland)

08:00	<b>Introduction</b> All Speakers	291
08:10	<b>Different levels of sleep studies</b> Ludger Grote (Göteborg, Sweden)	292
08:10	<b>Interpretation of polysomnography/polygraphy in adults</b> Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)	293
08:10	<b>Interpretation of polysomnography/polygraphy in children</b> Athanasios G. Kaditis (Athens, Greece)	294
08:10	<b>Evaluation of daytime sleepiness</b> Carolina Lombardi (Milano (MI), Italy)	295

## PS-1

## Session 53

08:00 - 09:30

**Poster session: Clinical problems in long COVID-19**

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

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

**Tag(s) :** Clinical

**Chairs :** Timothy Hinks (Oxford, United Kingdom), Sachin Ananth (London, United Kingdom)

PA297	<b>Disparities in post-COVID-19 prolonged fatigue: A comparative analysis between healthcare workers and the general population</b> Young Seok Lee (Seoul, Republic of Korea), Hye Sun Lee, Jae Kyeom Sim, Sung Won Chang, Jae Jeong Shim
PA298	<b>Deep phenotyping in long COVID: Pulmonary microangiopathy in non-hospitalized patients</b> Laura Price (London, United Kingdom), Colm McCabe, Ewen Brennan, Kshama Wechalekar, Marta Gennaro, Carole Ridge, Wei Li, Alex Lyon, William Man, Rebecca Gore, Melissa Heightman
PA299	<b>Association between endothelial dysfunction and pulmonary function in patients with post SARS-COV-2 infection.</b> Celemi Vigil-Lopez (Mexico City, Mexico), Arturo Orea, Dulce Gonzalez, Rocio Sanchez, Andrea Zurita, Laura Arcos, Emilio Gutierrez, Tomas Pena, Frida Albarran, Arantza Aguirre, Amor Xospa, Antonio Sanchez, Ariel Garcia, Karen Sanchez, Benigno Valderrabano, Carlos Patricio Chávez-Guzmán
PA300	<b>Clinical and physiological variables in post-COVID-19 patients with and without fatigue</b> Luís Maurício Batalin Júnior (Sorocaba, Brazil), Maércio Santos, Mariana Dorna, Estefânia Franco, Jéssica Geronutti, Luís Brizola, Yasmin Barros, Adriele Costa, Carolina Breda, Caroline Marin, Bruno Freire, Suzana Tanni, Robson Prudente
PA301	<b>Validation of the 'Post-COVID-19 Functional Status Scale (PCSF)' in patients with COVID-19 infection.</b> Olga Milena Garcia Morales (Bogotá, Colombia), Juan David Botero, Socorro Moreno Luna, Martha Delgado Ramirez, Fabian Gil Laverde
PA302	<b>The predictors of long COVID-19 syndrome in patients managed in out-patient healthcare settings</b> Tatiana Osipov (Chisinau, Republic of Moldova), Alina Malic, Igor Semianiv, Lilia Todoriko, Evelina Lesnic
PA303	<b>Follow-up of children with Long COVID</b> Handan Kekeç (turkey, Turkey), Tuğba Şişmanlar Eyüboğlu, Pelin Asfuroğlu, Zeynep İlkşen Hocoğlu, Eylül Pınar Çakır, Ayşe Tana Aslan



PA304	<b>The role of peripheral blood CD4+CD45RA+ T cells and CD4+CD45RO+ T cells in evaluation of COVID-19 patients</b> Hang Su (Shanghai, China), Wuping Bao, Yan Zhou, Aihua Bao, Fengming Ding, Guogang Xie, Min Zhang
PA305	<b>Post-acute COVID-19: results of large principal component analysis</b> Nataliia Habshydzhe (Dnipro, Ukraine), Karyna Rybalka, Lyudmyla Konopkina, Olena V. Myronenko, Tetyana Pertseva
PA306	<b>Bacterial Co-infection and Secondary Infection in SARS-CoV-2 (COVID-19) Adult Patients in a National Tertiary Infectious Disease Hospital</b> Maria Yvez Erika Ugale (Batac, Philippines), Rontgene Solante, Edna Edrada
PA307	<b>Changes in body composition in patients with ischaemic heart disease and post-COVID-19 syndrome.</b> Jose Antonio Sanchez Paredes (ciudad de mexico, Mexico), Laura Arcos, Arturo Orea, Dulce González, Rocío Sánchez, Emilio Gutiérrez, Tomas Peña, Frida Albarrán, Arantza Aguirre, Amor Xospa, Antonio Sánchez, Ariel García, Karen Sánchez, Benigno Valderrábano, Celemi Vigil, Andrea Zurita, Robinson Robles, Rafael Hernández
PA308	<b>Association between endothelial dysfunction and body composition in post-COVID-19 syndrome patients</b> FRIDA ALBARRAN LOPEZ (México City, Mexico), Andrea Zurita Sandoval, Dulce González, Arturo Orea, Rocio Sanchez, Laura Arcos, Emilio Gutierrez, Tomas Pena, Frida Albarran, Arantza Aguirre, Estefania Xosca, Jose Sanchez, Ariel Garcia, Celemi Vigil
PA309	<b>Is there a need for prolonged anticoagulation after COVID-19?</b> Nataliia Habshydzhe (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Yuliia Huba
PA310	<b>The impact of ICU bed capacity optimization strategy on the average length of hospital stay and cost following the open policy of COVID-19 in China: a differences-in-differences model analysis</b> Xiumei Tang (Chengdu, China), Weimin Li
PA311	<b>Mortality trends in Spain, with a special focus on respiratory-related conditions in the midst of the COVID-19 pandemic.</b> Alberto Amorós (Madrid, Spain), Adrian Pelaez, Joan B Soriano, Maria Rodrigo-Garcia, Jose Luis Peñalvo, Isabel Calonge, Esteve Fernandez, Julio Ancochea, Laura Castellanos
PA312	<b>A cellular senescence-related gene signature for predicting severity in COVID-19 analyzed by bioinformatics combining machine learning algorithm</b> Shibo Guan (shenyang, China), Wei Wang
PA313	<b>Autoimmune diseases and its impact on patients with COVID-19 in hospitalized: a retrospective analysis</b> Jiadi Gan (Chengdu, China), Rui Xu, Guonian Zhu, Dan Liu, Weimin Li
PA314	<b>Characteristics of blood cells in Omicron-associated Pneumonia patients with hematologic malignancies and the relationship between blood cells and the prognosis of Omicron-associated Pneumonia:a retrospective cohort study.</b> Yajuan Chen (Chongqing (Chongqing), China), Cai Li, Huyu Wang
PA315	<b>Assessment of exertional capacity and quality of life in COVID-19 survivors</b> Vanessa Teotonio (João Pessoa (PB), Brazil), Andre Siqueira, Giselle Duarte, Gerlania Sousa, Emanuely Arruda, Ygor Soares, Alvaro Maciel
PA316	<b>Leukocyte glucose index (LGI) as a marker of Covid-19 pneumonia progression</b> Olha Shchudro (Dnipro, Ukraine), Daria Koval

PS-10

Session 54

08:00 - 09:30

**Poster session: Research studies in chronic cough****Disease(s)** : Airway diseases**Method(s)** : Cell and molecular biology Pulmonary rehabilitation General respiratory patient care Physiology Pulmonary function testing**Tag(s)** : Translational**Chairs** : Andrea Portacci (Modugno, Italy), Imran Satia (Hamilton, Canada)

PA317	<b>Effect of a novel inhaled lidocaine powder formulation on cough threshold to nebulised distilled water in humans</b> Alessandra Sorano (Firenze, Italy), Francesca Buttini, Ruggero Bettini, Giovanni Fontana, Federico Lavorini
PA318	<b>Effect of AX-8, a TRPM8 Agonist, on Cough Bouts in Refractory or Unexplained Chronic Cough Patients, a Proof-of-Concept Study</b> Jacky Smith (Manchester (Greater Manchester), United Kingdom), Olivier Poirot, Paul Marsden, Denis Drenan, Terence Taylor, Yaniv Zigel, Helen Venn, Michael Kitt

PA319	<b>Prior and concomitant medication use in patients with refractory chronic cough: post-hoc analysis of SOOTHE</b> Jacky Smith (Manchester (Greater Manchester), United Kingdom), Lorcan Mc Garvey, Alyn H Morice, Mandel Sher, Margaret Garin, Ronghua Yang, Catherine M Bonuccelli
PA320	<b>Change in objective cough count correlates with improvement in patient-reported outcomes of cough in patients with idiopathic pulmonary fibrosis</b> Jacky Smith (Manchester (Greater Manchester), United Kingdom), Kevin Carroll, David Clark, Philip L. Molyneux
PA321	<b>CD39L1 levels in refractory/unexplained chronic cough patients, and relationship to cough counts</b> Michael A. Wortley (London, United Kingdom), James Wingfield Digby, Sabina Issop, Sara J. Bonvini, Rachel Dockry, Jenny King, Beth Massey, Simon Stephan, Bashar Al-Shekilly, Maria G. Belvisi, Eric D. Dubuis, Shannon Galgani, Kimberley Holt, Shilpi Sen, Paul Marsden, Jacky A. Smith
PA322	<b>Irritant stimuli evoke ATP and inflammatory mediator release affecting P2X3 responses.</b> Orla Dunne (Belfast, United Kingdom), Imad About, Lorcan MCGarvey, Fionnuala Lundy
PA323	<b>Responder analysis of Leicester Cough Questionnaire domains from phase 3 trials of gefapixant (COUGH-1/COUGH-2)</b> Surinder S. Birring (London, United Kingdom), Peter Dicipinigaitis, Lorcan MCGarvey, Alyn H. Morice, Jaclyn A. Smith, Qing Li, Carmen La Rosa, Allison Martin Nguyen
PA324	<b>Impact of type 2 biomarkers on changes in subjective cough outcomes in chronic cough</b> Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia
PA325	<b>Ozone-induced model of cough hypersensitivity for the selection of novel antitussive agents</b> Cataldo Martucci (Parma (PR), Italy), Franco Bassani, Diletta Mandrioli, Gino Villetti, Daniela Miglietta
PA326	<b>Atopy – is it another treatable trait in management of patients with chronic cough?</b> Katarzyna Białek-Gosk (Warszawa, Poland), Karolina Klimowicz, Olga Truba, E.Magdalena Grabczak, Marta Dabrowska
PA327	<b>Plasma and bronchoalveolar lavage ATP in refractory/unexplained chronic cough</b> James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Michael Wortley, Sara Bonvini, Rachel Dockry, Sabina Issop, Jenny King, Bethany Massey, Simon Stephan, Eric Dubois, Shannon Galgani, Kimberley Holt, Shilpi Sen, Joanne Mitchell, Bashar Al-Shekilly, Maria Belvisi, Jacky Smith, Paul Marsden
PA328	<b>Determinants for cough improvement with pulmonary rehabilitation</b> Ana Sofia Brites Grave (Alcobaça, Portugal), Cátia Paixão, Diogo Tecelão, Alda Marques, Ana Oliveira
PA329	<b>Critical role of sensory neuronal TRPA1 signals in mediating cough hypersensitivity in allergic rhinitis</b> Yu Fu (guangzhou, China), Yang Yang, Zhangfu Fang, Jiaying Xie, Kefang Lai
PA330	<b>Patient perception on the effectiveness of guideline-based treatment for chronic cough</b> Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Ana Oliviera, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia
PA331	<b>Frequency of cough triggers associated with worse quality of life in patients with chronic cough</b> Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia
PA332	<b>Refractory and unexplained chronic cough in adults treated in a cough centre.</b> Marta Dąbrowska (Warszawa, Poland), Katarzyna Moliszewska, Paweł Kukielka, Katarzyna Białek-Gosk, Elżbieta M. Grabczak
PA333	<b>Effect of expiratory loadings on changes in oesophageal pH during coughing evoked by maximal lung emptying</b> Alessandra Sorano (Firenze, Italy), Martina Maria Marinato, Leonardo Gori, Giovanni Fontana, Federico Lavorini
PA334	<b>Development and validation of therapy outcome measures for inducible laryngeal obstruction and chronic cough.</b> Siobhan Ludlow (Cheshire, United Kingdom), Lucie Byrne-Davis, Stephen J Fowler
PA335	<b>Inhaled alkaline hypertonic divalent salts reduce refractory chronic cough frequency.</b> Hisham Waziri (London, United Kingdom), David A. Edwards, Deen Bhandu Bhatta, James Hull, Matthew Rudd, Peter Small, Kian Fan Chung
PA336	<b>Determination of Camlipixant (BLU-5937) P2X3 antagonist activity in a sensory neuronal model and bronchial epithelial cells</b> Orla Dunne (Belfast, United Kingdom), Imad About, Lorcan MCGarvey, Fionnuala Lundy

PS-11

Session 55

08:00 - 09:30

## Poster session: Molecular pathways in asthma and chronic obstructive pulmonary disease

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

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

Tag(s) : Translational

Chairs : Andrew Higham (Manchester (Greater Manchester), United Kingdom), Francisco Javier Salgado Castro (Santiago De Compostela, Spain)

PA337	<b>GLCC11 rs37973 and inhaled corticosteroids: findings from a European cohort of COPD patients</b> Charikleia Ntenti (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Leticia Grize, Antonis Goulas, Daiana Stolz
PA338	<b>Determinants of oxidative stress and antioxidant status in COPD</b> Maja Badovinac (Ljubljana, Slovenia), Dren Gruden, Erik Lipej, Josko Osredkar, Lana Novic, Ales Jerin, Matevz Harlander
PA339	<b>NO production depth in the conducting airways in T2-high asthma</b> Haopeng Xu (Oxford, United Kingdom), Lorenzo Petralia, Asma Alamoudi, Graham Richmond, Grant Ritchie, Peter Robbins, Ian Pavord, Nayia Petousi
PA340	<b>Association of Airway Inflammation and Smoking Status with IL-33 expression in Sputum of Patients with Asthma or COPD</b> Mustafa Abdo (Grosshansdorf, Germany), Frauke Pedersen, Anne-Marie Kirsten, Frederik Trinkmann, Espen Groth, Benjamin Waschki, Thomas Bahmer, Henrik Watz, Klaus F. Rabe
PA341	<b>Metabolic signatures of non-typeable Haemophilus influenzae from COPD sputum</b> James Baker (MANCHESTER, United Kingdom), Imogen Duncan-Smith, Danielle Weaver, Kamila Schmidt, Augusta Beech, Timothy Felton, Stephen J Fowler, Dave Singh, Waqar Ahmed, Simon Lea
PA342	<b>ARTEMISIA: A JAK1 inhibitor mechanistic study to advance molecular understanding and precision medicine in respiratory diseases</b> Zala Jevnikar Rojnik (Mölnådal, Sweden), Zala Jevnikar Rojnik, Davinder P S Dosanjh, Tina Jellesmark Jensen, Erika Darrah, Jenny Torell, Alese Halvorson, Mathias Cardner, Camille Riff, Daniel Muthas, Chris Chamberlain, Adam Platt, Maria G Belvisi, Rod Hughes, Kyriakos V. Konstantinidis, Christopher E. Brightling
PA343	<b>Small airway function in patients with alpha1-antitrypsin deficiency. Correlation with quality of life and exercise capacity.</b> Dimitrios Toumpanakis (Athens, Greece), Martyn Biddiscombe, Sally Meah, Sun Logan, Theodoros Vassilakopoulos, Carole A Ridge, Nick S Hopkinson, James P Allinson, Omar S Usmani
PA344	<b>Small Airways Disease (SAD) in Severe Asthma (SA) negatively affects the response to biologic therapy</b> Martina Maria Marinato (Firenze, Italy), Chiara Allegrini, Elisa Bentivegna, Chiara Marzi, Alessia Catalisano, Alberto Bracciali, Greta Insalata, Lorenzo Petroni, Marco Rodari, Rubina Giulia Girolamo, Valentina Musto, Federico Lavorini, Gianna Camiciottoli
PA345	<b>Navitoclax inhibits senescence markers in precision cut lung slices from COPD patients</b> Peter Fenwick (London, United Kingdom), Justine Devulder, May Al-Sahaf, Patrizia Viola, Peter Barnes, Louise Donnelly
PA346	<b>Yihuo Huatan Formula alleviate stable COPD symptoms by increasing the relative abundance of Faecalibacterium Prausnitzii</b> cong zhou (ChengDu, China)
PA347	<b>Late Breaking Abstract - A splice-switching oligonucleotide (SSO) targeting the Receptor for Advanced Glycation End-products (RAGE) attenuates lung injury in smoke and AATD associated lung disease</b> Gary P. Anderson (Parkville (VIC), Australia), Aowen Zhuang, Rachael Hu, Philip Hansbro, Christopher Wraight, Raelene Pickering, Merlin Thomas
PA348	<b>Deciphering the role of thromboxane A2 in mast cell-induced bronchoconstriction within human small airways</b> Jesper Säfholm (Solna, Sweden), Sven-Erik Dahlén, Mikael Adner
PA349	<b>Increased epithelial thickness and luminal narrowing in the small airways of smokers with Preserved Ratio Impaired Spirometry (PRISm)</b> Hannah Trodden Mittnacht (Leeds, United Kingdom), Andrew Higham, Dave Singh
PA351	<b>MiR-15b regulation promoted by Nintedanib in CTD associated progressive pulmonary fibrosis</b> eleonora bozza (pavia, Italy), Sara Bozzini, Cecilia Bagnera, Lorenzo Cavagna, Veronica Codullo, Domenica Federica Briganti, Federica Meloni

**PA352** **Intranasal treatment with hydrogen sulfide releasing donors can prevent bleomycin-induced pulmonary fibrosis in mice**  
Yasemin Karaman (Ankara, Turkey), Esra Buber, Olcay Kurtulan, Reshed Abohalaka, Ozge Burcu Sahan, Sevgen Celik Onder, Ayşen Gunel-Ozcan, Zeliha Gunnur Dikmen, Turgut Emrah Bozkurt

**PA353** **Investigation of the anti-fibrotic action of the NCE T03 in comparison to Pirfenidone in A549 cells.**  
Maria Brachs (Berlin, Germany), Erik Gandaliopv

**PA354** **GLUT1 promotes NLRP3 inflammasome activation of airway epithelium in lipopolysaccharide-induced acute lung injury**  
Jiehong Li (Guangdong, China), Xin Chen

**PA355** **Formulation of Solid Lipid Nanoparticles Loaded with Nociceptin/Orphanin FQ (N/OFO) and Characterization in a Murine Model of Airway Hyperresponsiveness**  
Giuseppe Spaziano (Caserta, Italy), Davida Mirra, Renata Esposito, Francesca Panico, Debora Santonocito, Gianluca D'Abrosca, Gaetano Malgieri, Roberto Fattorusso, Carmelo Puglia, Bruno D'Agostino

**PA356** **Late Breaking Abstract -  $\beta$ 2-Adrenoceptor Dysfunction in Severe Asthma**  
Jameel Hakeem (Leicester, United Kingdom), Michael Biddle, Fahad Alhadian, Musallam Alnasser, Peter Bradding, Yassine Amrani

PS-12

Session 56

08:00 - 09:30

Poster session: Novelties in alpha-1 antitrypsin deficiency

Disease(s) : **Airway diseases**

Method(s) : Pulmonary function testing Epidemiology General respiratory patient care Cell and molecular biology Pulmonary rehabilitation Public health Imaging

Tag(s) : Translational

Chairs : Ilaria Ferrarotti (Pavia (PV), Italy), Augusta Beech (Manchester, United Kingdom)

**PA357** **Rapid DNA extraction methods to facilitate laboratory workflow in Alpha-1 Antitrypsin Deficiency detection**  
Amaia Larruskain (Derio, Spain), Monika Landeta, Mónica López, Marta Artieda

**PA358** **Blood neutrophil transcriptome in PiMM and PiZZ patients with chronic obstructive pulmonary disease (COPD)**  
Urszula Lechowicz (Warsaw, Poland), Adriana Rozy, Aneta Zdral, Adam Szepechciński, Beatriz Martínez-Delgado, Beata Olejnicka, Sabina Janciauskiene, Joanna Chorostowska-Wynimko

**PA359** **The final results of European external quality control program for laboratory testing of alpha1-antitrypsin deficiency (AATD EARCO LABNet) 2019-2022**  
Magdalena Pelc (Warsaw, Poland), Joanna Chorostowska-Wynimko, Irene Belmonte, Malika Balduyck, Tomás P Carroll, Timm Greulich, Noel Gerry Mcelvaney, Marc Miravittles, Francisco Rodríguez-Frías, Marie Françoise Odou, Stefania Ottaviani, Adriana Rozy, Susana Seixas, Martina Veith, Farid Zerimech, Angelo Guido Corsico, Maria Cristina Monti, Ilaria Ferrarotti

**PA360** **Liver disease in patients with alpha1 antitrypsin deficiency PiZZ and PiSZ from the Spanish EARCO registry.**  
Cristina Aljama Vizcarra (Reus, Spain), Monica Pons, Cristina Esquinas Lopez, Miriam Barrecheguren, María Torres, Carlota Rodriguez, Jose Luis López-Campos,, Myriam Calle, Juan Luis Rodriguez Hermosa, Jose M<sup>a</sup> Hernández, Marta María García, Marc Miravittles

**PA361** **An inverse association between plasma levels of  $\alpha$ 2-macroglobulin and  $\alpha$ 1- antitrypsin in COPD patients**  
Sabina Janciauskiene Wallmark (Hannover, Germany), Urszula Lechowicz, Beatriz Martínez-Delgado, Liu Bin, Adriana Rozy, Aneta Zdral, Tobias Welte, Joanna Chorostowska-Wynimko

**PA362** **The alpha-1 foundation research registry: smoking history and obstructive lung disease in alpha-1 antitrypsin deficiency patients in the united states**  
Alison Keaveny (Coral Gables, United States), Nadine Nuchovich, Monica Goldklang, Niki Trivedi, Randel Plant, Jennifer Illarramendi, Laura Fonseca, James Michael Wells, Charlie Strange, Jeanine D'Armiento

**PA363** **Heterozygous Alpha-1 Antitrypsin Deficiency in COPD patients**  
Martina Zappa (Tradate, Italy), Marco Vanetti, Patrizia Pignatti, Sarah Grossi, Francesci Ardesi, Rosella Centis, Dina Visca, Antonio Spanevello

**PA364** **Clinical and radiological clustering in patients with alpha1-antitrypsin deficiency caused by PI\*SZ genotype**  
Ilaria Giana (Pavia, Italy), Davide Piloni, Stefania Ottaviani, Alice Maria Balderacchi, Xheni Veselagu, Lucia Del Frate, Sara Magni, Francesca Mariani, Giulia Stella, Angelo Guido Corsico, Ilaria Ferrarotti

PA365	<b>Association between routine blood biomarkers, lung phenotypes and disease severity in patients with alpha-1 antitrypsin Pi*SZ deficiency from the EARCO Registry</b> Cristina Aljama Vizcarra (Reus, Spain), Alexa Nuñez, Cristina Esquinas, Hanan Tanash, Eva Bartošovská, Gerard Orriols, Galo David Granados, Marc Miravittles, Miriam Barrecheguren
PA366	<b>Non-targeted screening for Alpha-1 Antitrypsin Deficiency</b> Thomas Köhnlein (Leipzig, Germany), Gerhard Hoheisel, Andreas Mühle, Andreas Hoheisel
PA367	<b>Impact and prevalence of alpha-1 antitrypsin deficiency in different lung diseases</b> Núria Angrill Sellés (Sabadell (Barcelona), Spain), Yolanda Galea Colón, Anna Mola Ausiró, Jaume Bordas Martinez, Mireia Baiges Badia, Santi Mora Acosta, Julio Cesar Alfaro Alvarez, Enric Barberta Sanchez
PA368	<b>Systematic literature review of pulmonary function decline in AATD-associated liver/lung disease</b> Alice Turner (Birmingham, United Kingdom), Priscilla Wittkopf, Caroline Von Wilamowitz-Moellendorff, Kyle Fahrbach, Mariana Farraia, May Hagiwara, Ed G. Marins, Anne E. Wyman, Lisi Wang, Suna Park
PA369	<b>Polymer Formation in Patients with Alpha-1-Antitrypsin Deficiency, Comparison of Pi*ZZ, SZ and other Rare Allele Variants</b> Arturo Olivares Rivera (Heidelberg, Germany), Held Julia, Julia Beimdiek, Falk Büttner, Philipp Höger, Hilal Ersöz, Ralf Eberhardt, Felix Herth, Sabina Janciauskiene, Franziska Trudzinski
PA370	<b>Alpha 1 Antitrypsin deficiency associated with the Mmalton variant: an EARCO Research project.</b> Maria Beatriz Dias Ferraz (Porto, Portugal), Maria Sucena, Margarida Fonseca Cardoso, Maria Torres, Hanan Tanash, Carlota Rodríguez García, Jens-Ulrik Jensen, Angelo Guido Corsico, José Luis López-Campos, José María Hernández Pérez, Kenneth Chapman, Christian Clarenbach, Alice Turner, Marc Miravittles, Joana Gomes, Beatriz Lara
PA371	<b>Lung disease in never smokers with severe alpha1-antitrypsin deficiency: The EARCO Registry.</b> Chiara Premuda (Milano, Italy), Cristina Aljama, Cristina Esquinas, Miriam Barrecheguren, Galo Granados, Iliaria Ferrarotti, Angelo Guido Corsico, Alice Turner, María Torres-Duran, Hanan Tanash, Carlota Rodríguez-García, Jens-Ulrik Jensen, Marco Mantero, Francesco Blasi, Marc Miravittles
PA372	<b>Analysis of emphysema severity and emphysema characteristics using quantitative computed tomography in patients with alpha-1 antitrypsin deficiency</b> Philipp Höger (Heidelberg, Germany), Claus Peter Heußel, Katharina Buschulte, Ralf Eberhardt, Sebastian Fähndrich, Julia Michels, Mark Oliver Wielpütz, Oliver Weinheimer, Arturo Olivares-Rivera, Johanna Benholz, Felix Herth, Franziska Trudzinski
PA373	<b>Proteinase 3 (PR3) specific fibrinopeptide A<math>\alpha</math>-Val541 in alpha-1 antitrypsin deficiency (AATD) patients receiving a liver transplantation</b> Emily F. A. van 't Wout (Leiden, Netherlands), Naomi Kappe, Jan Stolk, Bart Van Hoek, Pieter Hiemstra
PA374	<b>Unraveling the past: A review of patients with Alpha-1 Antitrypsin Deficiency</b> Maria João Gomes Moura (Santa Maria Da Feira, Portugal), Tiago Ramalho, Bárbara Seabra, Rosário Alves, Carlos Soares, Joana Amado
PA375	<b>Hepatic features in patients with severe alpha1-antitrypsin deficiency: a single institution experience</b> Xheni Veselagu (Novara, Italy), Lucia Del Frate, Davide Piloni, Iliaria Giana, Simone Cordoni, Francesca Mariani, Ambra Raimondi, Iliaria Ferrarotti, Angelo Guido Corsico
PA376	<b>SERPINA1 Q0Q0 clinical presentation of a very rare alpha-1 antitrypsin deficiency</b> Effrosyni D. Manali (Athens, Greece), Spyros A Papiris, Martina Veith, Iliaria Ferrarotti, Malika-Leila Balduyck, Christine Lombard, Stefania Ottaviani, Nikoletta Rovina, Lykourgos Kolilekas, Andriana I Papaioannou, Farid Zerimech, Marie-Françoise Odou, Magali Dechomet, Spyridon Prountzos, Christina Kontopoulou, Maria Kallieri, Vasiliki Apollonatos, Elvira-Markela Antonogiannaki, Lourdes Osaba, Edurne Entrena, Vincent Cottin, Claus Vogelmeier, Timm Greulich, Jean-François Mornex

PS-13

Session 57

08:00 - 09:30

Poster session: Clinical assessment of chronic obstructive pulmonary disease exacerbations

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Gerard J. Criner (Philadelphia, United States), Marina Guecamburu (Bordeaux, France)

PA377	<b>Circulating mitochondrial signals during COPD exacerbation.</b> Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Paula Martin Audera, Juan Agüero Calvo, Diego Ferrer Pargada, Begoña Josa Laorden, Daymara Boucle, Ana Berja, Bernardo A Lavin, Armando R Guerra, Mayte García Unzueta, Pedro Muñoz Cacho, Cristina Ghadban, Enrique Peraita Fernandez, Milagros Ruiz De Infante, Tamara Quijano
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- PA378 AECOPD prediction through a remote monitoring system**  
Soumaya Balbolia (Cesson Sévigné, France), Florian Tilquin, Sylvain Le Liepvre, Yann Le Guillou, Jean-Claude Cornu, Valérie Estève, Jean-Charles Dron, Marie Joyeux-Faure, Jean-Louis Pépin
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- PA379 Detecting COPD exacerbations using AI predictive modelling with continuous temperature sensing**  
Mairi MacLeod (London, United Kingdom), Aaron Braddy-Green, Ralph Lopez, Gavin C Donaldson, Claire E Hooper, Harald Braun, Jadwiga A. Wedzicha
- 
- PA380 Prevalence of Respiratory Syncytial Virus in Patients with Chronic Obstructive Pulmonary Disease and Its Impact on Exacerbation Rates**  
Jona Gjeloši (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Leticia Grize, Daniel Schilter, Werner Strobel, Renaud Louis, Hans H. Hirsch, Michael Tamm, Daiana Stolz
- 
- PA381 Lower respiratory tract microbiome modulating exacerbation risks in COPD patients : a multi-omics meta-analysis**  
Hongli Jiang (Chengdu (Sichuan), China), Wei Liu, Mei Yang
- 
- PA382 Clinical phenotypes predict exacerbations of COPD: the TIE cohort study**  
Jens Ellingsen (Uppsala, Sweden), Christer Janson, Kristina Bröms, Amir Farkhooy, Maria Hårdstedt, Marieann Högman, Karin Lisspers, Andreas Palm, Björn Ställberg, Andrei Malinovski
- 
- PA383 Activation of prothrombotic pathways during community-treated exacerbation of COPD**  
Mairi MacLeod (London, United Kingdom), Aaron Braddy-Green, Hassan Shahbakhti, James Manning, Ralph Lopez, Sam Bartlett-Pestell, Saravanan Vinayagam, Nilanthi Karawitige, Mike Laffan, Deepa Arachchillage, Jadwiga A Wedzicha
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- PA384 Comparative analysis of COPD exacerbations requiring hospital admission: pre, during, and post-COVID-19 pandemic in a tertiary centre in the UK**  
Sonia Mannan (Stoke-On-Trent, United Kingdom), Anna Mowat, Lokesh Kovvuri, Hifza Habib, Naveed Mustafa
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- PA385 COPD: performance of red cell distribution width in predicting exacerbation severity**  
Hend Ouertani (Tunis, Tunisia), Haifa Zaibi, Améni Naaroura, Emna Ben Jemia, Jihene Ben Amar
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- PA386 COPD: performance of red cell distribution width in predicting the occurrence of frequent exacerbations**  
Hend Ouertani (Tunis, Tunisia), Haifa Zaibi, Améni Naaroura, Emna Ben Jemia, Jihene Ben Amar
- 
- PA387 The effect of inhaled therapies on exacerbation risk in patients with chronic hypercapnic COPD receiving long-term non-invasive ventilation**  
Balázs Csoma (Budapest, Hungary), Zsafia Lazar, Andrew Chai, Andrew Bentley, Andras Bikov
- 
- PA388 Medication adherence to inhaler therapy and the risk of COPD exacerbations: a systematic review with meta-analysis**  
Delphine Vauterin (Ghent, Belgium), Frauke Van Vaerenbergh, Maxim Grymonprez, Anna Vanoverschelde, Lies Lahousse
- 
- PA389 Association of impulse oscillometry and spirometry with COPD exacerbations**  
Maja Badovinac (Ljubljana, Slovenia), Dren Gruden, Erik Lipej, Lana Novič, Matevž Harlander
- 
- PA390 Clinical course and outcomes in hospitalized patients with acute exacerbation of COPD based on the Rome severity classification**  
Hong-Joon Shin (Gwangju, Republic of Korea), Chan-Woo Park, Yong-Soo Kwon
- 
- PA391 Chest Ultrasonography in Chronic Obstructive Pulmonary Disease Across Stability and Exacerbation**  
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri
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- PA392 Improving out of hospital care of management of COPD exacerbations using health technology (COPD Predict App) in a novel way to identify exacerbations.**  
Ashwin Rajhan (Stoke On Trent, United Kingdom), Ajit Thomas, Karen Jackson, Isabelle Babin-Cooper, Pamela Birks
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- PA393 CAT Score as a prognostic tool in low resource setting: Exploring the correlation between CAT Score, Exacerbation history with BODE Index**  
Jocelyn Joseph (WOLVERHAMPTON, United Kingdom), Vishwanath Pujari
- 
- PA394 Causes of death among COPD patients in Malaysia: EXACOS-MY study**  
Chee Kuan Wong (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Syazatul Syakirin Sirol Aflah, Aisya Natasya Musa, Ahmad Izuanuddin Ismail
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- PA395 Evaluation of annual mortality in patients hospitalized with COPD exacerbation**  
Gülstan Karadeniz (Izmir, Turkey), Seda Bilgen

**PA396 Identification worsening patterns in the CAT Questionnaire during a severe exacerbation of COPD**  
Zichen Ji (Madrid, Spain), Cristhian Alonso Correa-Gutiérrez, Javier Plaza-Hoz, Ion Gorrochategui-Mendigain, Walther Iván Girón-Matute, Alicia Oliva-Ramos, Luis Puente-Maestu, Javier De Miguel-Díez

PS-14

Session 58

08:00 - 09:30

Poster session: Monitoring in airway disease I: looking towards the future

Disease(s) : **Airway diseases**

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

Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical

Chairs : Johann Christian Virchow (Rostock, Germany), Andréanne Côté (Quebec, Canada)

**PA397 Touchless monitoring of respiratory rate stratified according to demographic sub-groups**  
Paul Addison (Edinburgh, United Kingdom), Andre Antunes, Dean Montgomery, Ulf Borg, Carolyn Cohen, Paul Batchelder

**PA398 Application of the ERS/ATS spirometry standards and race-neutral equations in the COPD Gene Study**  
Enrico Schiavi (Roma, Italy), Min Hyung Ryu, Leonardo Martini, Aparna Balasubramanian, Meredith C. McCormack, Spyridon Fortis, Elizabeth A. Regan, Matteo Bonini, Craig P. Hersh

**PA399 AI-Based Quality Assessment of Peak Expiratory Flow in Spirometry**  
Benoit Cuyvers (Leuven, Belgium), Diana Teixeira E Silva, Paul Desbordes, Maarten De Vos, Marko Topalovic

**PA400 Forced Expiratory Time: Added Value in Diagnosing Obstructive Ventilatory Defects**  
Khoulood Kchaou (Ariana, Tunisia), Chaima Briki, Soumaya Khaldi, Yosra Abdelhedi, Saloua Ben Khamsa Jameleddine

**PA401 The power of the first hour: a quality improvement project optimising PEFr monitoring and steroid administration in an Emergency Department setting**  
Kholood T Munir (London, United Kingdom), Shahzada Athar, Daberechukwu Nkechukwu, Sandip Banerjee

**PA402 Bronchodilator response of spirometry and lung volumes in healthy subjects**  
Tobias Lorenz Mraz (Wien, Austria), Emiel F. M. Wouters, Ahmad Karimi, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal

**PA403 30-Days Spirometry Holter: a novel tool for objective asthma diagnosis**  
Mikołaj Basza (Nysa, Poland), Piotr Korczyński, Katarzyna Górska, Mateusz Soliński, Piotr Dąbrowiecki, Weronika Kowalczyk, Łukasz Kołtowski

**PA404 Assessment of clinical application value of FeNO combined with spirometry parameters for predicting airway hyperresponsiveness**  
Jin He (xi'an, China), Dan Wang, Yun Liu

**PA405 Perceptions towards using artificial intelligence and technology for asthma – A qualitative exploration of Māori views**  
Amy Hai Yan Chan (Auckland, New Zealand), Widana Kankanamge Darsha Jayamini, Farhaan Mirza, Marie-Claire Bidois-Putt, M. Asif Naeem

**PA406 Circadian Rhythm and Variability of Large and Small Airway Spirometric Variables in Healthy Individuals**  
Yiting Wu (Shanghai, China), Wuping Bao, Xue Zhang, Chengjian Lv, Jingwang Lin, Lei Zhao, Yanmei Lin, Yingying Zhang, Min Zhang

**PA407 Risk factors for airflow obstruction development in an occupational cohort. The value of borderline FEV1/FVC ratio.**  
Maria Urquiola Torres (Pamplona, Spain), Pablo Sanchez Salcedo, Deborah Jorge Garcia, Jose Espinoza, Tamara Gutierrez Urrea, Belen Marin Martinez, Pilar Cebollero Rivas

**PA408 Burden of small airways dysfunction (SAD) asthma defined by oscillometry and spirometry among 1334 asthmatics across 5 centers in India**  
Sundeep Santosh Salvi (Pune (Maharashtra), India), Sujata Chauthmal, Suhas Bardapurkar, Harshvardhan Vohra, Virendra Singh, Parthasarathi Bhattacharyya, Ragini Diwan, Shreehas Bardapurkar, Udaiveer Singh, Sapna Madas, Ruby Swami, Abhishek Sabale, Meena Lopez, Jaideep Gogtay, Deesha Ghorpade

**PA409 Impact of new positive bronchodilator test criteria**  
Laura Cortezon (Bilbao, Spain), Edurne Echevarria, Teresa Bretos, Carlos Caldera, Jone Solorzano, Imanol Gonzalez, Eva Tabernero, Larraitz Garcia, Patricia Sobradillo, Nuria Marina

**PA410 Expiratory Flow Limitation by FOT in a General Population and Comparisons with Matched Controls**  
Christoph Gross (Vienna, Austria), Christoph Valach, Hazim Abozid, Tobias Mraz, Chiara Veneroni, Pasquale Pompilio, Emiel F. M. Wouters, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal

- PA411** **Clinical characteristics and functional parameters in significant smokers with preserved FEV1/FVC ratio: correlation with quality of life and exercise capacity**  
Besim Morina (Prishtina, Kosovo), Blerina Dervisholli, Leujeta Shabanaj, Edison Suka, Driton Hoti, Valmir Muhaxheri, Flamur Marku, Burim Neziri
- PA412** **The interplay between spirometric inspiratory measurements and asthma control**  
Chaima BRIKI (ariana, Tunisia), Khouloud Kchaou, Yossra Abdelhedi, Safa Dali, Soumaya Khaldi, Saloua Ben Khamsa Jameledine
- PA413** **Upper airway Obstruction in pregnancy : Does gestational diabetes has an influence ?**  
Walid Feki (Sfax, Tunisia), Fatma Al Zahra Yedally, Rim Kammoun, Molk Maalej, El Heje Mouhamedou, Asma Haddar, Kaouthar Masmoudi
- PA414** **Prevalence of Bronchodilator response in a general population - Data from the Austrian LEAD cohort**  
Tobias Lorenz Mraz (Wien, Austria), Emiel F. M. Wouters, Ahmad Karimi, Charles G. Irvin, David A. Kaminsky, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal
- PA415** **Impact of remote-monitored home non-invasive ventilation on patient outcomes: a retrospective cohort study**  
Eve Walker (Glasgow, United Kingdom), Charlotte Levey, Maureen Manthe, Anna Taylor, Maryam Sahibqram, Grace Mcdowell, Eric Livingston, Adam V. Benjafeld, Chris Carlin
- PA416** **Characteristics of healthy subjects with positive bronchodilator response**  
Tobias Lorenz Mraz (Wien, Austria), Emiel F. M. Wouters, Ahmad Karimi, Charles G. Irvin, David A. Kaminsky, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal

PS-15

Session 59

08:00 - 09:30

Poster session: It's better to be alone than in bad company: the impact of comorbidities on airways disease progression and management

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

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

Tag(s) : Translational

Chairs : Gert-Jan Braunstahl (Rotterdam, Netherlands), Marcin Maciej Kurowski (Lodz, Poland)

- PA417** **Impact of comorbidities on baseline characteristics in severe asthmatics in the German Asthma Net (GAN)**  
Slagjana Stoshikj (Wien, Austria), Andreas Renner, Christina Bal, Sonja Zehetmayer, Daniela Boryshchuk, Dirk Skowasch, Katrin Milger, Christian Schulz, Margret Jandl, Rainer Ehmman, Olaf Schmidt, Roland Buhl, Eckard Hamelmann, Christian Taube, Stephanie Korn, Marco Idzko
- PA418** **The impact of adipose eosinophils on diet-induced airway hyperresponsiveness in mice**  
Becky Proskocil (Portland, United States), Gina Calco, David Jacoby, Allison Fryer, Zhenying Nie
- PA419** **Asthmatic patients with normal body mass index and high body fat percentage**  
Masako To (Saitama, Japan), Yoshihito Arimoto, Natsue Honda, Kosuke Haruki, Yasuo To
- PA420** **The Impact of Metabolic Syndrome on the Management of Asthma and COPD: An Observational Study**  
Rajeev Ranjan, Devendra Prasad Singh, Utkarsh Singh
- PA421** **Association between Diabetes, Glycemic Control, and All-Cause and Cardiovascular Mortality in Asthmatic Adults**  
Jun Wen (Chongqing, China)
- PA422** **Effect of Hormonal fluctuations on asthma and rhinitis during the menstrual cycle**  
Samia Aissani (Algiers, Algeria), Ali Zitouni
- PA423** **Characteristics of asthma in patients with NSAID hypersensitivity**  
Elif naz Sancar (Altındağ, Turkey), Oguz Karcioglu, Gul Karakaya, Ali Fuat Kalyoncu, Ebru Damadoglu
- PA424** **Nasal polyposis and response to asthma biologics in real-life: insights from the Belgian Severe Asthma Registry.**  
Femke Demolder (Mechelen, Belgium), Eef Vanderhelst, Sylvia Verbanck, Florence Schleich, Renaud Louis, Guy Brusselle, Carine Sohy, Alain Michils, Rudi Peché, Charles Pilette, Shane Hanon
- PA425** **Baseline characteristics of patients with chronic rhinosinusitis with nasal polyps and coexisting asthma initiating dupilumab in the AROMA global registry**  
Juby Anne Jacob-Nara (Orlando, United States), Enrico Marco Heffler, Tanya M. Laidlaw, Shigeharu Fujieda, Scott Nash, Changming Xia, Micah Johnson, Lucia De Prado Gomez, Paul J. Rowe, Yamo Deniz, Juby A. Jacob-Nara, Harry Sacks



PA426	<b>The triple type 2 signature is associated to asthma severity and comorbidity with nasal polyps</b> Jose Antonio Castillo Vizuete (Sitges (Barcelona), Spain), Encarna López Gabaldón, Francisco Javier González Barcala, Gustavo Javier Rodrigo, Carlos Almonacid, Juan Carlos Martin, Berta Juliá, Joaquim Mullol
PA427	<b>Unveiling inflammatory patterns in chronic rhinosinusitis and allergy: harnessing algorithmic approaches via mass cytometry</b> Fana Alem Kidane (Vienna, Austria), Lena Müller, Marianne Rocha-Hasler, Aldine Tu, Victoria Stanek, Campion Nicholas, Tina Bartosik, Mohammed Zghaebi, Slagjana Stoshikj, Daniela Gompelmann, Andreas Spittler, Marco Idzko, Sven Schneider, Julia Eckl-Dorna
PA428	<b>IL-33 substantially initiates and promotes EGPA development via alteration in pulmonary immune microenvironments</b> Lingna Xue (Guangzhou, China), Wenjing Yang, Junjie Wen, Xiaojing Yang, Zhenan Deng, Changxing Ou, Lingyun Zheng, Qingling Zhang
PA429	<b>Blood leukocyte characterisation in Eosinophilic Granulomatosis with Polyangiitis (EGPA)</b> Rebecca Dale (Leicester, United Kingdom), Matthew Richardson, Tracy Thornton, Herleen Turner, Kate Porter, Amanda Charalambou, Michelle Bourne, David Cousins, Salman Siddiqui, Yassine Amrani, Shamsa Naveed, Adam Wright
PA430	<b>Predictive factors of favorable outcome for mepolizumab and corticosteroid treatment to for eosinophilic granulomatosis with polyangiitis(EGPA)</b> Ryuta Tsuzuki (Sumida City, Japan), Chiaki Kato, Hiroaki Arai, Keigo Uchimura, Kyouhei Kaburagi, Shinji Sasada, Yuta Kono, Masako To, Yasuo To
PA431	<b>Eosinophil extracellular traps in allergic bronchopulmonary aspergillosis airways</b> Xi Chen (Beijing, China), Moqin Zhang, Yanliang Ma
PA432	<b>ABPA PATIENTS: 3 YEARS FOLLOW UP</b> Francesco Bini (Pavia (PV), Italy), Giovanni Franco, Noemi Grassi, Bruno Dino Bodini
PA433	<b>An Asthma-COPD Overlap Mouse Model Establishment</b> Zhimin Zeng (Guangzhou, China), Fengjia Chen, Yubiao Guo
PA434	<b>Cognitive impairment in patients with COPD.</b> Tehreem Ahmad (Karachi, Pakistan), Asma Arman, Hina Asghar, Tahir Ansari
PA435	<b>Efficacy of Mepolizumab in a cohort of patients with severe eosinophilic asthma and bronchiectasis after 6 years of treatment: a single centre study</b> Gerardo Nazzaro (Caserta, Italy), Antonio Caso, Simonetti Giuseppe, Iannone Francesca Paola, Lorena Gallotti, Anna Agnese Stanziola
PA436	<b>HLA-DR immunopeptidomics on cells from bronchoalveolar lavage in early rheumatoid arthritis</b> Benedikt Zöhrer (Stockholm, Sweden), Ákos Végvári, Vijay Joshua, Iryna Kolosenko, Leonid Padyukov, Per-Johan Jakobsson, Magnus Sköld, Karin Lundberg, Vivianne Malmström, Lars Klareskog, Åsa M. Wheelock

PS-16

Session 60

08:00 - 09:30

Poster session: Relationship between biomarkers including microbiomes and respiratory conditions

Disease(s) : **Airway diseases**

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

Tag(s) : Translational

Chairs : Randi Bertelsen (Bergen, Norway), Raju Pangeni (Lalitpur, Nepal)

PA437	<b>Proteinase-3 in plasma and BAL in patients with COPD</b> Julie Hestnes (Bergen, Norway), Gunnar Husebø, Rune Nielsen, Ingvild Haaland, Bahareh Jouleh, Nathalie Reuter, Pieter Hiemstra, Tomas Mikal Eagan
PA438	<b>Phenotype and biomarkers in patients who initiated biologics therapy stratified by oral corticosteroid use in the International Severe Asthma Registry</b> Carlos A Torres-Duque (Bogotá, Colombia), Jeffrey Shi Kai Chan, Kirsty Fletton, John Townend, Delbert R. Dorscheid, Alan Altraja, Charlotte Suppli Ulrik, Aaron Beastall, Celine Goh, Vidya Navaratnam, Lakmini Bulathsinhala, Victoria Carter, Zhixiao Wang, Rebecca Gall, Wei-Han Cheng, Bernt Bøgvold Aarli, Celine Bergeron, Arnaud Bourdin, Adeb A. Bulkhi, George C. Christoff, João A. Fonseca, Christine Jenkins, Mariko Siyue Koh, Konstantinos Kostikas, Stelios Loukides, Roy Alton Pleasants, Todor A. Popov, Dermot Ryan, Iván Solarte, Ming-Ju Tsai, Libardo Jiménez-Maldonado, Piotr Kuna, Renaud Louis, Bassam Mahboub, Ruth B. Murray, Paulo Márcio Pitrez, Francesca Puggioni, Mona Al-Ahmad, Leif Bjermer, Unnur S. Björnsdóttir, Borja G. Cosio, Richard W. Costello, Zsuzsanna Csoma, Takashi Iwanaga, Désirée Larenas-Linnemann, Lauri Lehtimäki, Martin Sivori, Chin Kook Rhee, Sundeep Salvi, Christian Taube, David B. Price

PA439	<p><b>Characteristics of long-term oral corticosteroid users stratified by blood eosinophil count in the International Severe Asthma Registry</b> Mona Al-Ahmad (Kuwait, Kuwait), Jeffrey Shi Kai Chan, Kirsty Fletton, John Townend, Libardo Jiménez-Maldonado, Alan Altraja, Michael P. Makris, Matthew J. Peters, Aaron Beastall, Celine Goh, Vidya Navaratnam, Lakmini Bulathsinghala, Victoria Carter, Zhixiao Wang, Rebecca Gall, Wei-Han Cheng, Bernt Bøgvold Aarli, Riyad Al-Lehebi, Mohit Bhutani, John D. Blakey, George C. Christoff, Belinda Cochrane, Andréanne Côté, Simon Couillard, Eve Denton, João A. Fonseca, Paul E. Pfeffer, Ming-Ju Tsai, Charlotte Suppli Ulrik, Mariko Siyue Koh, Piotr Kuna, Ruth B. Murray, Bassam Mahboub, Paulo Márcio Pitrez, Francesca Puggioni, Florence Schleich, Leif Bjermer, Arnaud Bourdin, Zsuzsanna Csoma, Breda Cushen, Hyonsoo Joo, Désirée Larenas-Linnemann, Lauri Lehtimäki, Dóra Lúdvíksdóttir, Jorge Máspero, Tatsuya Nagano, Luis Perez-De-Llano, Todor A. Popov, Sundeep Salvi, Christian Taube, David B. Price</p>
PA440	<p><b>Historical blood eosinophil levels in adults with and without obstructive airways disease</b> Peter Ascanius Jacobsen (Aalborg, Denmark), Marie Dam Lauridsen, Kristian Kragholm, Christian Torp-Pedersen, Ulla Møller Weinreich</p>
PA441	<p><b>Serum eosinophil-derived neurotoxin levels in machine learning-derived respiratory symptom clusters in adults</b> Daniil Lisik (Gothenburg, Sweden), Saliha Selin Özüygür Ermis, Carina Malmhäll, Rani Basna, Reshed Abohalaka, Selin Ercan, Muwada Bashir Awad Bashir, Radhika Jadhav, Linda Ekerljung, Madeleine Råding, Jan Lötval, Göran Wennergren, Helena Backman, Magnus Borres, Hannu Kankaanranta, Bright Ibeabughichi Nwaru</p>
PA442	<p><b>Biomarker profiles across obstructive and non-obstructive lung function trajectories</b> Jonas Eriksson Ström (Umeå, Sweden), Helena Backman, Per Liv, Anne Lindberg, Anders Blomberg</p>
PA443	<p><b>Biologics for severe asthma: control and quality of life in real-life settings</b> Sara Maio (Pisa (PI), Italy), Sandra Baldacci, Giovanni Viegi, Francesco Pistelli, Barbara Vagaggini, Elisa Iacopini, Maria Chiara Braschi, Maria Beatrice Bilò, Laura Carrozzì</p>
PA444	<p><b>Association between platelet and blood eosinophil counts in asthmatic adults: Results from NHANES 2011-2018</b> Jun Wen (Chongqing, China)</p>
PA445	<p><b>Oral inflammation predicts respiratory disease 10 years later in a Nordic population based study</b> Randi Bertelsen (Bergen, Norway), Anders Røslund, Christine Cramer, Thorarinn Gislason, Mathias Holm, Christer Janson, Rain Jögi, Lars Modig, Vivi Schlünssen, Ane Johannessen</p>
PA446	<p><b>Variability of eosinophilia in the LEAD study: Pulmonary and extrapulmonary traits</b> Charmaine J. M. Helk-Lim (Vienna, Austria), Mohammad Azizzadeh, Marie-Kathrin Breyer, Robab Breyer-Kohansal, Emiel F. M. Wouters, Sylvia Hartl</p>
PA447	<p><b>Association between oral bacteria and respiratory health</b> Christine Cramer (Aarhus, Denmark), Ian Marshall, Michael J. Abramson, Nils Oskar Jögi, Maryia Khomich, Vivi Schlünssen, Randi Jacobsen Bertelsen</p>
PA448	<p><b>Predicting real-world response to mepolizumab in severe asthma using machine learning</b> Koyo Usuba (Mississauga, Canada), Lingjiao Zhang, Xinyang Liu, Tim Han, Natalie Nightingale, Ali Tehrani, Shiyuan Zhang, Peter Howarth, Rafael Alfonso-Cristancho</p>
PA449	<p><b>Allostatic load in adults with airflow obstruction – a new concept to understand health challenges?</b> Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Mariana Radu-Piuk, Emiel F M Wouters, Marie-Kathrin Breyer</p>
PA450	<p><b>Validation of self-reported asthma medication use in Sweden and Finland</b> Elias Nurmi (Tampere, Finland), Iida Vähätalo, Heidi Andersén, Päivi Piirilä, Paul Lassmann-Klee, Arnulf Langhammer, Johan Persson, Linnea Hedman, Caroline Stridsman, Anne Lindberg, Eva Rönmark, Linda Ekerljung, Bright Nwaru, Hannu Kankaanranta, Helena Backman</p>
PA451	<p><b>Characteristics of severe asthma patients treated with bioterapy: the French Palomb Cohort.</b> Nolwenn Jestin-Guyon (Bordeaux, France), Annaig Ozier, Cécilia Nocent, Alain Bernady, Laurent Nguyen, Emilie Berteaud, Magalie Dupuy-Grasset, Frédéric Le Guillou, Boris Melloni, Laurent Portel, Anne Prud'Homme, Alain Didier, Mathieu Molimard, Laurent Guillemainault, Chantal Raheison-Semjen</p>
PA452	<p><b>The economic cost of neutrophilic asthma in adult patients from the Italian general population.</b> Valentina Lando (Verona, Italy), Jessica Miotti, Luigi Martinelli, Lucia Calciano, Stefano Tardivo, Angelo Corsico, Simone Accordini</p>
PA453	<p><b>Machine learning-derived asthma phenotypes in a Swedish adult population-representative sample</b> Muwada Bashir (VÄSTRA FRÖLUNDA, Sweden), Daniil Lisik, Saliha Selin Ozuygur Ermis, Rani Basna, Reshed Abohalaka, Selin Ercan, Helena Backman, Teet Pullerits, Roxana Mincheva, Göran Wennergren, Madeleine Råding, Jan Lotvall, Linda Ekerljung, Hannu Kankaanranta, Bright I. Nwaru</p>

**PA454** **Gender differences in the healthy lower airway microbiome**  
Hallvard Juhler (Førde, Norway), Tomas M Eagan, Rune Nielsen, Andreu Paytuví, Xènia Roda, Rune Tilseth, Walter Sanseverino, Gunnar R Husebø

**PA455** **Impact of the COVID-19 pandemic on the diagnosis of COPD in rural hospitals 2018-2021, Colombia**  
Angela Maria Giraldo Montoya (Pereira, Colombia), Giovanni Garcia Castro, Laura Sofia Garcia Giraldo

**PA456** **Post-COVID after hospitalization of COVID-19 patients during the pandemic - monocentric retrospective study**  
Vladimir Koblizek (Hradec Králové, Czech Republic), Mikulas Skala, Alnakli Ayad Mahdi M, Michal Svoboda, Michal Kopecky, Martina Kulirova, Dalibor Milka, Libor Nevoranek

PS-17

Session 61

08:00 - 09:30

Poster session: Environmental and occupational determinants of respiratory health outcomes

Disease(s) : Airway diseases Interstitial lung diseases

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

Tag(s) : Clinical

Chairs : Om Prakash Kurmi (Coventry, United Kingdom), Ashesh Dhungana (New Delhi (Delhi), India)

**PA457** **Residential exposure to air pollution and COPD: a pilot study in Torino city.**  
Ornella Salimbene (Buccino, Italy), Nicola Leoce, Maria Teresa Baeza Romero, Ivano Salimbene

**PA458** **Exposure to vehicle traffic during childhood and lung function development in young adulthood - a 10-year prospective study**  
Nicolas Bermudez Baron (Luleå, Sweden), Helena Backman, Linnea Hedman, Martin Andersson

**PA459** **Association of ultrafine particle exposure with lung function in elementary school children in the Berlin-Brandenburg Air Study (BEAR)**  
Vanessa Soppa (Düsseldorf, Germany), Katherine Ogurtsova, Monica López-Vicente, Monica Guxens, Kay Weinhold, Ulf Winkler, Alfred Wiedensohler, Andreas Held, Sabine Lühtrath, Josef Cyrus, Simonas Kecorius, Petra Gastmeier, Barbara Hoffmann, Miriam Wiese-Posselt

**PA460** **Candidate gene association analysis on the interaction between SNPs and air pollutants on FeNO in adult patients from the Italian general population**  
Marion Nicolodi (Verona, Italy), Valentina Lando, Lucia Calciano, Cristina Bombieri, Francesca Locatelli, Giovanni Malerba, Pierpaolo Marchetti, Antonino Margagliotti, Claudio Gariazzo, Sara Maio, Massimo Stafoggia, Giovanni Viegi, Alessandro Marcon, Simone Accordini

**PA461** **Air pollution exposure was associated with the acceleration of longitudinal changes in lung function in elderly: A community-based cohort study in Korea**  
Ji Ye Jung (Seoul, Republic of Korea), Chan Ho Lee, Mi Wha Kim, Songhui Lee, Joo Hye Shin, Heeseon Jang, Jaelim Cho

**PA462** **Short-term exposure to ultrafine particles and respiratory infection hospital contacts in children**  
Marie Bergmann (København K, Denmark), Zorana Andersen, Andreas Massling, Steffen Loft, Heresh Amini, Thomas Cole-Hunter, Claus Nordstrøm, Stéphane Tuffier, Jiawei Zhang, Youn-Hee Lim

**PA463** **Understanding Potential Lung Recovery from Coal Mine Fire Smoke exposure**  
Michael J. Abramson (Melbourne (VIC), Australia), Claire O'Sullivan, Catherine Smith, Caroline Gao, Brigitte Borg, David Brown, Jillian Ilkin, Tyler Lane, Jacqui Kleiner, Isabella Chicas, Faizel Hartley, Thomas Mccrabb, Bruce Thompson

**PA464** **Long-term exposure to air pollution and greenness and hospitalization for respiratory conditions in Northern Europe: The Life-GAP project**  
Shanshan Xu (Bergen, Norway), Alessandro Marcon, Randi Jacobsen Bertelsen, Bryndis Benediktsdottir, Jørgen Brandt, Lise Marie Frohn, Camilla Geels, Thorarinn Gislason, Joachim Heinrich, Mathias Holm, Christer Janson, Iana Markevych, Lars Modig, Hans Orru, Vivi Schlünssen, Torben Sigsgaard, Ane Johannessen

**PA465** **Risk factors for daytime sleepiness in a population-based sample**  
Jenny Theorell-Haglöw (Uppsala, Sweden), Martin Ulander, Karl A Franklin, Jonas Spaak, Hanan Tanash, Ludger Grote

**PA466** **Exposure to long-term outdoor air pollution and lung function in adults: a systematic review and meta-analysis**  
Olga Gorlanova (Bättwil, Switzerland), Albina Gross, Rachel Tham, Shyamali C Dharmage, Martin Röösli, Urs Frey

**PA467** **The burden of Chronic Respiratory Diseases and attributable risk factors in Pakistan- A systematic analysis of global burden of disease study (GBD) 2019**  
Taymmia Ejaz (Islamabad, Pakistan), Muhammad Irfan, Javaid Ahmed Khan, Shaheer Masroor, Ali Zubairi, Zainad Samad, Ali Usman

- PA468** **Associations of parental air pollution/greenness exposures with offspring respiratory health: The Life-GAP Project**  
Robin Mzati Sinsamala (Bergen, Norway), Alessandro Marcon, Randi J Bertelsen, Simone Accordini, Jørgen Brandt, Lise M Frohn, Camilla Geels, Thorarinn Gislason, Mathias Holm, Christer Janson, Iana Markevych, Hans Orru, Francisco G Real, Torben Sigsgaard, Svein M Skulstad, Cecilie Svanes, Ane Johannessen
- PA469** **The impact of indoor environment factors on respiratory conditions among both children and adults in Turkey**  
Merve Selçuk (Istanbul, Turkey), Ceren Ayca Yıldız, Ela Erdem Eralp, Almala Pınar Ergenekon, Caner Cinar, Derya Kocakaya, Yasemin Gokdemir, Bulent Karadag
- PA470** **Prenatal and lifetime exposure to residential dampness and molds and the occurrence of respiratory tract infections in the first 12 years of life**  
Jouni J.K. Jaakkola (Oulu, Finland), Joonas Maaranen, Maritta S. Jaakkola, Ines Paciencia, Timo T. Hugg, Aino K. Rantala
- PA471** **Impact of high, and low temperatures on lower respiratory infections in a changing climate from 1990 to 2019: a joinpoint regression analysis.**  
Abdelrahman Mahmoud (Shebin El-Kom, Egypt)
- PA472** **Long-term effects of coarse particulate matter and modifications by temperature and relative humidity on all-cause mortality in a MDR-TB cohort**  
Erjia Ge (Toronto, Canada), Huiying Feng, Nicholas Grubic, Xin Liu, Hui Zhang, Xiaolin Wei, Kai Zhang, Ming Luo, Liang Chen
- PA473** **Pollen exposure and paediatric Emergency Room admissions in Northern Italy (2008-2022)**  
Alessandro Marcon (Verona (VR), Italy), Pierpaolo Marchetti, Francesca Locatelli, Sofia Tagliaferro, Lorenzo Di Spazio, Francesco Domenichini, Nicola Gennaro, Morena Nicolis, Damaris Selle, Ugo Fedeli
- PA474** **Dwelling mould profiles and current asthma in the CONSTANCES cohort**  
Marine Savouré (Barcelona, Spain), Tajidine Tsiavia, Séverine Affeldt, Emilie Fréalle, Valérie Bex, Oriane Dumas, Marcel Goldberg, Nicole Le Moual, Céline Ribet, Nicolas Roche, Marie Zins, Bénédicte Leynaert, Laurent Orsi, Rachel Nadif
- PA475** **Association between the presence of respiratory symptoms and reduced work productivity (presenteeism) among Japanese workers: the Japanese Red Cross Kumamoto Study**  
Kenichi Kubota (Kumamoto, Japan), Ayumi Onoue, Kyohei Harada, Takuya Kitagawa, Yuki Sato, Kazuhiko Watanabe, Yuichi Matsuo, Toshinari Hayashi, Toru Tsuda, Minoru Yoshida, Yoshihisa Fujino, Hiromasa Inoue, Hisamitsu Omori
- PA476** **Influence of air pollutants on risk of asthma admission in 3 largest urban agglomerations in Poland**  
Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki, Agata Dąbrowiecka, Anna Piórkowska, Andrzej Chciałowski

PS-18

Session 62

08:00 - 09:30

Poster session: Major multimorbidity clusters in people with respiratory health problems

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

Method(s) : Epidemiology Pulmonary function testing Public health Imaging

Tag(s) : Clinical

Chairs : Sundeep Santosh Salvi (Pune (Maharashtra), India), Stephanie Everaerts (Leuven, Belgium)

- PA477** **Lung function and onset of cardiometabolic diseases in the longitudinal Burden of Obstructive Lung Disease (BOLD) study**  
Christer Janson (Uppsala, Sweden), James Potts, Andrei Malinowski, Peter Burney, Andre Amaral, - Bold Collaborative Research Group
- PA478** **Multimorbidity in patients with bronchiectasis: results from the US Bronchiectasis and NTM Research Registry (US BRR)**  
Radmila Choate (Lexington, United States), Pamela Mcshane, Meghan Marmor, Kunal Jakharia, Marcos Restrepo, Alan Barker, Mark Metersky, Kevin Winthrop, Doreen Addrizzo-Harris, Timothy Aksamit
- PA480** **Characteristics and trends in the incidence of adults hospitalised with community-acquired pneumonia (CAP) in Portugal, 2010-18**  
Joana Carneiro (Rio de Mouro, Portugal), Rita Teixeira, Andreia Leite, Maria Lahuerta, Julie Catusse, Mohammad Ali, Silvia Lopes
- PA481** **Multimorbidity burden in severe asthma across the SHARP CRC**  
Anna Freeman (Southampton, United Kingdom), Aruna T Bansal, Sasa Rink, Betty Frankemölle, Mehar Singh, Jacob Sont, Apostolos Bossios, Florence Schleich, Sanja Grle Popovic, Svetlana Sergejeva, Eleftherios Zervas, Zsuzsanna Csoma, Ineta Grisle, Kristina Bieksiene, Anneke Ten Brinke, Piotr Kuna, Florin Mihălțan, Sanja Hromis, Barbro Dahlén, Valentyna Yasinska, Bilun Gemicioglu, Sabina Skrgat, Ramesh J Kurukulaaratchy

<b>PA482</b>	<b>Severe Asthma Multimorbidity Clusters Across Europe; Findings From SHARP</b> Anna Freeman (Southampton, United Kingdom), Aruna T Bansal, Sasa Rink, Betty Frankemölle, Mehar Singh, Sont Jacob, Apostolos Bossios, Florence Schleich, Sanja Popovic, Svetlana Sergejeva, Eleftherios Zervas, Zsuzsanna Csoma, Ineta Grisle, Kristina Bieksiene, Anneke Ten Brinke, Piotr Kuna, Florin Mihălțan, Sanja Hromis, Barbro Dahlén, Valentyna Yasinska, Bilun Gemicioglu, Sabina Škrat, Ramesh Kurukulaaratchy
<b>PA483</b>	<b>In adult-onset asthma, chronic pain associates with increased asthma morbidity</b> Sofia Winsa Lindmark (Luleå, Sweden), Iida Vähätalo, Leena Tuomisto, Pinja Ilmarinen, Caroline Stridsman, Linnea Hedman, Onni Niemelä, Nikolai Stenfors, Tomi Myrberg, Anne Lindberg, Eva Rönmark, Hannu Kankaanranta, Helena Backman
<b>PA484</b>	<b>Association among weight, comorbidities, inflammation and chronic obstructive pulmonary disease</b> Ilaria Stanisci (Pisa, Italy), Sandra Baldacci, Sara Maio, Anna Angino, Giuseppe Sarno, Patrizia Silvi, Sofia Tagliaferro, Vieggi Giovanni
<b>PA485</b>	<b>Asthma and risk of osteoporosis and osteoporotic fracture: A systematic review and meta-analysis of cohort studies</b> Parkin Paramiraksa (Bangkok, Thailand), Metavee Boonsiri, Poramin Patthamalai
<b>PA486</b>	<b>Association of multimorbidity and mortality interacting with pulmonary function: a prospective cohort from NHANES</b> Hongyi Wang (Beijing, China), Min Liu, Huaping Dai
<b>PA487</b>	<b>Cardiovascular prevalence, mortality and associations with treatment in oxygen-dependent COPD - a national cohort study</b> Josefin Sundh (Örebro, Sweden), Yet Khor, Zainab Ahmadi, Mirjam Ljunggren, Ludger Grote, Andreas Palm, Magnus Ekström
<b>PA488</b>	<b>Incident loop diuretic-use after COPD hospitalization is associated with increased 1-year mortality and morbidity</b> Marie Dam Lauridsen (Aalborg, Denmark), Emil Fosboel, Peter Ascanius Jacobsen, Søren Paaske Johnsen, Ulla Møller Weinreich
<b>PA489</b>	<b>Obesity predicts mortality stronger in adult-onset asthma than in age- and sex-matched controls</b> Helena Backman (Luleå, Sweden), Caroline Stridsman, Anne Lindberg, Eva Rönmark, Linnea Hedman
<b>PA490</b>	<b>Impacts of baseline anxiety and depression on acceleration of lung function impairment in elderly population: Results of LEAD cohort study</b> Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Emiel F M Wouters, Marie-Kathrin Breyer
<b>PA491</b>	<b>Menarche, menopause, and physician-diagnosed asthma in women</b> Michael Salisu (Lagos, Nigeria), Saliha Selin Ozyugur Ermis, Helen Adesoba, Selin Ercan, Daniil Lisik, Muwada Bashir, Reshed Abohalaka, Göran Wennergren, Madeleine Rådinger, Linda Ekerljung, Hannu Kankaanranta, Bright Nwaru
<b>PA492</b>	<b>Self-reported helminth infection is associated with increased respiratory symptoms in the RHINE IV study.</b> Nils Oskar Jogi (Tallinn, Estonia), Ane Johannessen, Cecilie Svanes, Hulda Rosa Thorarinsdottir, Mathias Holm, Lars Modig, Vivi Schlünssen, Rain Jõgi, Christer Janson, Andrei Malinovsky
<b>PA493</b>	<b>Sleep disorders and asthma incidence in adults: the CONSTANCES cohort</b> Annabelle Bédard (Paris, France), Sabine Plancoulaine, Bénédicte Leynaert, Mohammed Sedki, Raphaëlle Varraso, Céline Ribet, Marcel Goldberg, Marie Zins, Oriane Dumas, Rachel Nadif
<b>PA494</b>	<b>Mortality trends in idiopathic pulmonary fibrosis in Europe between 2013 and 2018.</b> Francesca Gonnelli (Ancona, Italy), Martina Bonifazi, Richard Hubbard
<b>PA495</b>	<b>Lung Cancer Screening Improves Time to Diagnosis of Interstitial Lung Disease (ILD)</b> Alexandra Lawrence (London, United Kingdom), Marium Naqvi, Ruth Perez Renon, Katherine Myall, Kimuli Ryanna, Alex West
<b>PA496</b>	<b>Respiratory mortality among subjects with a combination of chronic airway diseases: asthma, bronchiectasis, and chronic obstructive pulmonary disease in South Korea</b> Hyeon Hwa Kim (Seoul, Republic of Korea), Ye-Jee Kim, Sehee Kim, Sei Won Lee, Jae Seung Lee, Yeon-Mok Oh

PS-19

Session 63

08:00 - 09:30

Poster session: Challenges and perspectives of tobacco cessation in special groups of populations

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Stamatoula Tsikrika (Athens, Greece), H. Volkan Kara (Istanbul, Turkey)



- PA497 Motivators of strong dependence on vaping among medical students**  
Walid Feki (Sfax, Tunisia), Gargouri Rahma, Elleuch Ahmed Dhia, Khemakhem Rim, Moussa Nadia, Abderrahmane Babe, Bahloul Najla, Msaad Sameh, Ayadi Hajer, Feki Walid, Kammoun Samy
- 
- PA498 Addictive behaviours among medical students**  
Ahmed Dhia El Euch (Sfax, Tunisia), Gargouri Rahma, Khemakhem Rim, Feki Walid, Ayadi Hajer, Msaad Sameh, Moussa Nadia, Bahloul Najla, Kammoun Samy
- 
- PA499 The effect of physical exercise on the smoking cessation process among Physical Education and Sport Science students.**  
Stamatoula Tsikrika (Athens, Greece), Katerina Pini, Ioannis Vasileiadis, Anastassios Philippou, Ioannis Fatouros, Serafeim Nanas
- 
- PA500 Medical students and vaping – what do they know?**  
Ross Langley (Glasgow, United Kingdom), Holly Hamilton, Elizabeth Watt, Frankie Posner, Steve Turner, Kenneth Macleod
- 
- PA501 Opportunities of using ChatGPT for smoking cessation**  
Anna V Demchuk (Vinnytsia, Ukraine), Vitalina Harkusha, Vitalii Poberezhets, Tetyana Konstantynovych, Alina Dovgan, Nataliia Slepchenko, Oksana Viltsaniuk, Mariia Ovcharuk
- 
- PA502 Smoking cessation - a quality improvement project**  
Ahmed Ali (London, United Kingdom)
- 
- PA503 Observations on Cytisine as a Smoking Cessation Aid: Initial Findings with an Adapted Therapeutic Approach in a Clinical Setting.**  
Paolo Pozzi (Sondalo, Italy), Roberto Boffi, Chiara Veronese, Sara Trussardo, Camilla Valsecchi, Federica Sabia, Ugo Pastorino, Francesco Tarantini, Elisa Cardani, Elena Munarini
- 
- PA504 Paternal pre-pubertal passive smoke exposure and impaired lung function trajectories in offspring**  
Jiacheng Liu (Melbourne, Australia), Jennifer Perret, Caroline Lodge, Don Vicendese, Sabrina Idrose, Bircan Erbas, Peter Frith, Michael Abramson, Haydn Walters, Shyamali Dharmage, Dinh Bui
- 
- PA505 Parental pre-pubertal passive smoke exposure and Early-Onset Adult-Remitting asthma trajectory in offspring**  
Jiacheng Liu (Melbourne, Australia), Jennifer Perret, Caroline Lodge, Don Vicendese, Sabrina Idrose, Jonathan Pham, Bircan Erbas, Michael Abramson, Haydn Walters, Shyamali Dharmage, Dinh Bui
- 
- PA506 Cigarette smoking, but not snuff usage, is associated with a systemic inflammatory profile in young adults**  
Sophia Björkander (Stockholm, Sweden), Susanna Klevebro, Natalia Hernandez-Pacheco, Anna Zettergren, Jochen Schwenk, Göran Pershagen, Anne-Sophie Merritt, Inger Kull, Anna Bergström, Erik Melén
- 
- PA507 Quitting rates of novel tobacco products in a model smoking cessation clinic (SCC)**  
Nikolaos Athanasiou (Athens, Greece), Vasiliki Doumou, Georgios Poupouzas, Arxontoula Antonoglou, Charis Georgiadis, Marios Ioannou, Zafeiria Barmpareassou, Konstantinos Kotsifas, Paraskevi Katsaounou
- 
- PA508 prevalence of smoking among healthcare personnel**  
Nemsi Ella (Tunis, Tunisia), Jlaeil Naziha, Jdidi Mohamed Taher, Fenina Wafa, Aouadi Samira
- 
- PA509 Education, knowledge and Attitudes of midwives about smoking cessation perinatally. An update on the situation in Greece.**  
Paraskevi Katsaounou (Athens, Greece), Taxiarchoula Delakovia, Athina Diamanti
- 
- PA510 Assessment of an optimised tobacco smoking exposure calculation**  
Sarah Freeley (Naas, Ireland), Barry Moran, Cormac Mccarthy, Rachel Anglin, Alessandro Franciosi
- 
- PA511 Smoking Among Healthcare Workers: A Study at Laghouat Public Hospital**  
Redouene Sid Ahmed Benazzouz (Alger, Algeria), Azzedine Mekideche, Massinissa Benyagoub, Keltoum Slimani, Safouane Benazzouz, Smail Lebouabi, Mounir Ould Setti
- 
- PA512 Tobacco use status after one year depending on the type of tobacco**  
Makiko Kanai (Kyoto, Japan), Osamu Kanai, Takahiro Tabuchi
- 
- PA513 Cannabis: the new tobacco ?**  
Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Pinar Pazarli, Osman Elbek, Banu Salepci, Füsün Yıldız, Pinar Ay, Murat Guner
- 
- PA514 The value of online education in postgraduate smoking cessation training**  
Jia Zhou (Chongqing, China), Hongjun Wang, Junyan Zhang

**PA515** **Ethnicity, comorbidity differences and willingness to stop smoking amongst smokers in Singapore**  
Wesley Teck Wee Loo (Singapore, Singapore), Si Yuan Chew, Ken Cheah Hooi Lee, Mariko Siyue Koh, Pei Yee Tiew

**PA516** **Knowledge, attitude and practice of smoking vape among medical students in Karachi, Pakistan.**  
Eman Sheikh (Karachi, Pakistan), Ashok Kumar

**PS-2** **Session 64** **08:00 - 09:30**

**Poster session: Physiology, muscle and exercise in health, respiratory disease and other long-term conditions**

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

**Method(s) :** Pulmonary rehabilitation Cell and molecular biology Imaging Respiratory intensive care Surgery General respiratory patient care Pulmonary function testing Physiology

**Tag(s) :** Clinical

**Chairs :** Neil Greening (Leicester, United Kingdom), Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom)

**PA517** **Thigh lean mass assessment during admission for acute exacerbation of COPD (AECOPD) – a novel DXA scanning protocol**  
Lorna Latimer (Leicester, United Kingdom), Hamish Mcauley, Cara Flynn, Tracy Thornton, Neil Greening, Matthew Richardson, Christopher Brightling

**PA518** **Prevalence of sarcopenia and frailty in patients admitted to a respiratory inpatient subacute rehabilitation unit**  
Ciara Walsh (Dublin, Ireland), Elaine Cribbin, Kudos Anyakudo, Jacqueline Boyle, Liji Joseph, Minesh Kooblall, Michelle Fitzgerald

**PA519** **Measurements of pectoral muscle area derived from thoracic CT scans can identify quadriceps muscle weakness, a treatable trait in COPD patients**  
Laurent Razat (La Tronche, France), Renaud Tanisier, Marie Destors, François Arbib, Léa Ruez Lantuéjoul, Corinne Loidice, Jean-Louis Pépin, Bruno Degano

**PA520** **Body composition and nutrient intake of Sri Lankan adults living with COPD: a cross-sectional study**  
Chamilya Perera (Kelaniya, Sri Lanka), Akila Jayamaha, Thamara Amarasekara, Anthony Seneviratne, Ravini Karunathilake, Amitha Fernando, Barton Andy, Micheal Steiner, Savithri Wimalasekera, Sally Singh, Mark Orme

**PA521** **Biological events in systemic and muscle compartments of sarcopenic bronchiectasis patients: implications in pulmonary rehabilitation**  
Adriana Núñez Robainas (Barcelona, Spain), Mariela Nieves Alvarado Miranda, Adrián López Postigo, Maria Cinta Cumpli Gargallo, Marina Sainz Hernández, Esther Barreiro

**PA522** **Respiratory involvement and neuromotor function in a cohort of Patients With Facioscapulohumeral Dystrophy Type 1: A Retrospective Study**  
Valerio Patisso (Milano, Italy), Elena Carraro, Elisabetta Roma, Massimo Croci, Paolo Tarsia, Andrea Lizio, Valeria Ada Sansone

**PA523** **Relationship between lung volume and endurance in patients with interstitial lung disease**  
Masashi Zenta (Ichikawa, Japan), Kenji Tsushima, Tomohiro Hattori, Jin Kubo, Natsuko Yuzuguchi, Minami Akama, Satoshi Kido

**PA524** **The acute cardiorespiratory response to blood flow restriction strength exercise in healthy individuals: a randomized crossover trial**  
Manuel Kuhn (Zurich, Switzerland), Dario Kohlbrenner, Adrian Kläy, Martin Lüchinger, Thomas Radtke, Sarah Haile, Malcolm Kohler, Noriane Sievi, Christian Clarenbach

**PA525** **The acute cardiorespiratory response to blood flow restriction interval cycling in patients with COPD: a randomized crossover trial**  
Manuel Kuhn (Zurich, Switzerland), Christian Clarenbach, Adrian Kläy, Martin Lüchinger, Malcolm Kohler, Thomas Radtke, Sarah Haile, Noriane Sievi, Dario Kohlbrenner

**PA526** **The effect of blood-flow restricted strength and sprint training on skeletal muscle mitochondrial function in persons with COPD: a randomised controlled study**  
Dario Kohlbrenner (Copenhagen, Denmark), Lukas Moesgaard, Søren Jessen, Matteo Fiorenza, Sophie Møller, Camilla Collin Hansen, Jens Bangsbo, Morten Hostrup

**PA527** **Phrenic nerve conduction study in patients after Covid-19**  
Helena Nics (Vienna, Austria), Karin Vonbank, Ralf Harun Zwick, Benjamin Sabic, Ana Oljaca, Tatjana Paternostro-Sluga

PA528	<b>Post-COVID-19 Dyspnea: The Role of Surfactant in Lung Diffusion</b> Olha Shchudro (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Yuliia Huba, Larysa Botvynikova, Olena Myronenko
PA529	<b>Is there a difference in vascular reactivity between healthy individuals and post-COVID-19 patients as assessed by infrared spectroscopy?</b> Luara Inocência (Campinas - SP, Brazil), Bruna Scharlack Vian, Giovani Grisotti Martins, Mônica Corso Pereira, Rickson Coelho Mesquita, Ligia Dos Santos Roceto Ratti
PA530	<b>Endothelial function one year after COVID-19: unexpected results</b> Nataliia Habshydzhe (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Mariia Krykhtina
PA531	<b>Effect of high-intensity resistance training (HIRT) on pulmonary and systemic immune responses in older adults with metabolic syndrome</b> Rodolfo P Vieira (Anápolis, Brazil), Juliana M. B. Santos, Evitom Correa-Sousa, Maysa A. R. Brandão-Rangel, Manoel C. Oliveira-Junior, André L. L. Bachi, Luciana M. S. Jorge, Patrícia S. L. Lopes-Martins, Regiane Albertini
PA532	<b>Resistance Training Improves Lung Function, Respiratory and Peripheral Muscle Strength and Pulmonary Immune Response in Older Adults without COPD</b> Rodolfo P Vieira (Anápolis, Brazil), Anamei Silva-Reis, Meiry De Souza Moura Maia, Eduarda Teodora Rachid Wolpp, Naiara Nadia Moreira, Rosa Helena Ramos Paula-Vieira, Fernanda Rodrigues Monteiro, Luis Vicente Franco De Oliveira, Andre Luis Lacerda Bachi, Yanesko Fernandes Bella
PA533	<b>Expression of Irisin in Pulmonary Rehabilitation of COPD Patients and Its Prognostic Value</b> jiao ma (MANCHESTER, United Kingdom), Zhuoxiao Han, Jingjing Yan, Zheng Liu, Aihong Meng
PA534	<b>The pre-operative endurance shuttle walk test for assessing Postoperative Pulmonary Complications in patients undergoing Video-Assisted Thoracoscopic Surgery</b> Noppawan Charususin (Pathumthani, Thailand), Kornanong Yuenyongchaiwat, Rinrada Jammongsart, Jetsada Nantathaweephoh, Kittisak Saekee, Natthawut Chuensawad, Omchai Rattananont
PA535	<b>Differences in the expression of microRNAs 16-5p and 451a after acute exercise in patients with thrombosis versus healthy subjects</b> Remedios Otero Candelera (Sevilla, Spain), Verónica Sánchez Lopez, Berenice Brown Areola, Elva Mendoza Zambrano, Noelia Sola Idígora, María Dolores Nuñez Ollero, David Hervás Marín, Teresa Elías Hernández, Luis Jara Palomares, Julia Oto Martínez, Pilar Medina Badenes, Pilar Cejudo Ramos

PS-20

Session 65

08:00 - 09:30

## Poster session: Lights and shadows of paediatric bronchoscopy

Disease(s) : **Airway diseases**Method(s) : Epidemiology General respiratory patient care Endoscopy and interventional pulmonology Imaging Surgery  
Respiratory intensive care

Tag(s) : Clinical

Chairs : Raffaella Nenna (Rome, Italy), Uros Krivec (Ljubljana, Slovenia)

PA537	<b>Transbronchial cryobiopsy is feasible and safe in children and adolescents</b> Karsten Kötz (Göteborg, Sweden), Oli Hermannsson, Philip Wilmar, Christina Kavouridou
PA538	<b>Utility and safety of portable flexible bronchoscopy in children done out of the operation theatre(OT) setting in a resource-limited setting from Nepal</b> Jagat Jeevan Ghimire (Kathmandu, Nepal)
PA539	<b>The contribution of flexible fiberoptic bronchoscopy in diagnosing of unresolved hemoptysis in children</b> Burcu Çapraz Yavuz (Ankara, Turkey), Ebru Yalçın, Meltem Akgül Erdal, Havva Ipek Demir, Raziye Atan, Pınar Özdemir Yaşar, Nagehan Emiralioğlu Ordukaya, Deniz Dogru, Uğur Özçelik
PA540	<b>Airway investigations in paediatric congenital heart disease: an exploration of current practice</b> Nathan Hancock (Loughborough, United Kingdom), Nathan Hancock, Kamini Jain, Marianne Elloy, Frances Bullock
PA541	<b>The Role and Importance of Flexible Bronchoscopy in Immunosuppressed Children presenting with Pulmonary Complications</b> Sule Selin Akyan Soydaş (ANKARA, Turkey), Sanem Eryılmaz Polat, Murat Yasin Gençoğlu, Salih Uytun, Satı Özkan Tabakçı, Işıl Bilgiç, Meltem Kürtül Çakar, Ayyüce Aktemur Ünlü, Gamze Akça Dinç, Bahar Ece Tokdemir, Hande Yetişgin, Çelebi Yıldırım, Dilber Ademhan Tural, Gökçen Dilşa Tuğcu, Betül Karaatmaca, Namık Yaşar Özbek, Ayşe Metin, Güzin Cinel



PA542	<b>The Diagnostic impact of flexible bronchoscopy in paediatrics: revealing unseen dimensions</b> Muna Dahabreh (Amman, Jordan), Surendran Thavagnanam, Chinedu Nwokoro, Caroline Pao, Abigail Whitehouse, Sarah Brown
PA543	<b>Complications of flexible bronchoscopy in children - a retrospective cohort study</b> Elizabeth Simmie (Oxford, United Kingdom), Abdurrahmaan Manga, Manisha Ramphul, David Lo
PA544	<b>Pulmonary embolization in pediatric patients</b> Ayse Tana Aslan (Ankara, Turkey), Nilgun Kula, Tugba Sismanlar Eyuboglu, Mehmet Koray Akkan, Oznur Leman Boyunaga, Ahmet Baran Onal
PA545	<b>Experience with Flexible Bronchoscopy for Non-COVID-19 Indications in Pediatric Patients During the COVID-19 Pandemic</b> Sule Selin Akyan Soydaş (ANKARA, Turkey), Sanem Eryilmaz Polat, Fatma Merve Arıkan, Murat Yasin Gençoğlu, Salih Uytun, Satı Özkan Tabakçı, Işıl Bilgiç, Meltem Kürtül, Dilber Ademhan Tural, Gökçen Dilşa Tuğcu, Güzin Cinel
PA546	<b>Haemoptysis in childhood: 10 years single centre experience</b> Fazılcan Zirek (Ankara, Turkey), emine semra küçük öztürk, Merve Nur Tekin, Mahmut Turğut, Secahattin Bayav, Mukaddes Ağirtıcı, Esin Gizem Olgun, Gizem Özcan
PA547	<b>Bronchial malformations in children: anatomical diversity and clinical-imaging features</b> Diana Calaras (Chisinau, Republic of Moldova), Svetlana Sciuca, Rodica Selevestru, Ala David, Iana Coropceanu, Jana Bernic, Nelea Buga, Eva Gudumac
PA548	<b>Congenital tracheal stenosis: different clinical pictures for the same disease</b> Maria Giulia Conti (Roma, Italy), Greta Di Mattia, Laura Petrarca, Enrica Mancino, Luigi Matera, Antonella Frassanito, Domenico Paolo La Regina, Raffaella Nenna, Francesco Morini, Fabio Midulla
PA549	<b>Delayed diagnosis of foreign body aspiration in children: complications and treatment</b> Veronica van der Land (Amsterdam, Netherlands), Eric Haarman, Bianca Dontje, Suzanne Terheggen-Lagro, Niels Rutjes
PA550	<b>Plastic bronchitis mimicking foreign body aspiration in child-case report</b> Ilija Kirovski (Skopje, North Macedonia), Vili Štamkova
PA551	<b>Blinatumomab-Induced Pneumonitis in a Pediatric Case in B-cell Acute Lymphoblastic Leukemia</b> Mina Hizal (Ankara, Turkey), Deniz Yaşar, Tuğba Ramaslı Gürsoy, Şule Yeşil, Ali Fettah
PA552	<b>Etiology of Primary Spontaneous pneumothorax in Children and Adolescents</b> Dilber Ademhan Tural (Ankara, Turkey), Beste Ozsezen, Pelin Ozlem Simsek Kiper, Ekim Taskiran, Halime Nayir Buyuksahin, Ismail Guzelkas, Birce Sunman, Beren Karaosmanoglu, Gozde Imren, Tutku Soyer, Gulen Eda Utine, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Nural Kiper, Ugur Ozcelik
PA553	<b>STRIDOR IN CHILDREN AS INDICATION FOR BRONCHOSCOPY. EPIDEMIOLOGICAL DATA OF ONE REFERENCE CENTER.</b> Melpomeni Bizhga (Tirana, Albania), Spiro Sila, Gjergji Bizhga
PA554	<b>Initial Experience of new thin flexible bronchoscope (EB-710P) in extraction of airway foreign bodies in paediatric population of 0-5 years</b> Belgundi Preeti (Davangere (Karnataka), India), Harikishan Gonuguntla
PA555	<b>Evaluation of children with chest deformities in earthquake region</b> Pelin Asfuroglu (Ankara, Turkey)

PS-21

Session 66

08:00 - 09:30

Poster session: New opportunities and challenges in the management of cystic fibrosis

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Pulmonary function testing Epidemiology Imaging Pulmonary rehabilitation

Tag(s) : Clinical

Chairs : Eleana Kouroukli (Thessaloniki, Greece), Bülent Taner Karadag (Istanbul, Turkey)

PA556	<b>Real-life experience with a generic formulation of Elexacaftor/Tezacaftor/ Ivacaftor in patients with Cystic Fibrosis with responsive CFTR variants without previous modulators therapy</b> Alejandro Teper (Ciudad Autónoma Buenos Aires, Argentina), Silvina Lubovich, Silvina Zaragoza, Viviana Rodriguez, Ezequiel Rodriguez, Florencia Bracamonte, Lucia Ray, Grecia Frias
PA557	<b>Effect of Elexacaftor/tezacaftor/ivacaftor on allergic bronchopulmonary aspergillosis in a paediatric cystic fibrosis population</b> Magdalena Smolkova (Cambridge, United Kingdom), Kerstin Philipp, Kieren Lock, Louise Selby

PA558	<b>Follow-up of a cohort of patients with cystic fibrosis in therapy with Elexacaftor-Tezacaftor-Ivacaftor</b> Arturo Penco (Trieste, Italy), Simone Ramazzotti, Sergio Ghirardo, Laura Mazzari, Arianna Traunero, Laura Badina, Francesca Peri, Alessandro Amaddeo, Massimo Maschio
PA559	<b>Triple modulator therapy effects in children and young adults with cystic fibrosis</b> Elvira Rizza (Torino, Italy), Laura Barrocu, Lucia Ronco, Anna Folino, Manuela Goia, Irene Esposito
PA560	<b>Prompt effect of ELX/TEZ/IVA on the lung function in patients with cystic fibrosis in North Macedonia</b> Elena Krsteska (Skopje, North Macedonia), Andrijana Andreevska Stepanovska, Valentina Cvejaska Cholakovska, Lidija Spirevska, Boshko Koloski, Aleksandar Stepanovski, Stojka Fustik
PA561	<b>Optimizing nutritional strategies for cystic fibrosis pediatric patients ineligible for CFTR modulators</b> Ibtehal Al-Harbi (Riyadh, Saudi Arabia), Alanood Alanazi, Mohammed Alzaid, Hammad Alsadoon, Safa Eltahir, Jawaher Mukhtar, Sabah Alshalabi, Suhail Al-Saleh, Wadha Alotaibi
PA562	<b>Clusters of lung clearance index trajectories and survival in people with cystic fibrosis</b> Anja Maria Schaffer (Graz, Austria), Sereina Herzog, Philipp Latzin, Florian Singer
PA563	<b>The relationship between infant and preschool lung function in cystic fibrosis. A pilot follow-up study.</b> Václav Koucký (Tanvald, Czech Republic), Radim Bláha, Veronika Skalická, Jana Bartošová, Tereza Doušová, Petr Pohunek
PA564	<b>Cystic Fibrosis in Türkiye: Ministry of Health Data</b> Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Ayse Tana Aslan, Zulfikar Akelma, Mahir Ulgu, Mustafa Okan Ayvalı, Naim Ata, Suayip Birinci
PA565	<b>Enhancing Parental Knowledge of Cystic Fibrosis Through Education</b> Mine Yüksel Kalyoncu (Istanbul, Turkey), Neval Metin Çakar, Hüseyin Arslan, Sinem Can Oksay, Merve Selçuk, Şeyda Karabulut, Ceren Ayça Yıldız, Azer Kılıç Başkan, Burcu Uzunoğlu, Gamze Taştan, Pınar Ergenekon, Saniye Girit, Ayşe Kılınç Sakallı, Haluk Çokuğraş, Erkan Çakır, Ela Erdem Eralp, Yasemin Gökdemir, Fazilet Karakoç, Bulent Karadağ
PA566	<b>Evaluation of Predictive Biomarkers for Pulmonary Exacerbations in Cystic Fibrosis</b> Ayse Tana Aslan (Ankara, Turkey), Tugce Celtik, Volkan Medeni
PA567	<b>Lung ultrasound correlation with chronic inflammation in CF lung disease</b> Diana Popin (Timisoara, Romania), Liviu Pop, Mihaela Dediu, Ioana Ciuca
PA568	<b>Prospective study of oral health in children and adults with cystic fibrosis (CF)</b> Marianne Muhlebach (Chapel Hill, United States), Cristian Roca Avendano, Matthew Wolfgang, Apoena De Aguiar Ribeiro, Margaret Rosenfeld, Donald Chi
PA569	<b>The effect of telemonitoring in preventing lung function decline in cystic fibrosis</b> Elpis Hatziagorou (Thessaloniki, Greece), Sirmatenia- Styliani Kyrvasili, Athina Sopiadou, Elisavet-Anna Chrysochoou, Maria Galogavrou, Christos Kogias
PA570	<b>Comprehensive genetic and clinical profiling of people with cystic fibrosis ineligible for CFTR modulator therapy: Insights from a diverse patient cohort</b> CEREN AYÇA YILDIZ (Istanbul, Turkey), Merve Selçuk Balcı, Şeyda Karabulut, Zeynep Münteha Başer, Neval Metin Çakar, Müge Merve Akkitap Yiğit, Eda Esra Baysal, Fulya Özdemircioğlu, Burcu Uzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Fazilet Karakoç, Pınar Ata, Bülent Karadağ
PA571	<b>Declining trend in chronic Staphylococcus aureus and Pseudomonas aeruginosa infections in CF patients: A 4-year retrospective analysis</b> Andrijana Andreevska Stepanovska (Skopje, North Macedonia), Elena Krsteska, Valentina Cvejaska Cholakovska, Lidija Spirevska, Aleksandar Stepanovski, Stojka Fustik
PA572	<b>Evaluating the efficacy of IRT-based newborn screening for cystic fibrosis in a Turkish tertiary care center</b> Cigdem Korkmaz (Istanbul, Turkey), Aysel Kilic, Azer Kilic Baskan, Ayse Ayzit Kilinc Sakalli
PA573	<b>Demographic and anthropometric changes of patients with cystic fibrosis by years, relationship between variables and survival analysis</b> Seyda Karabulut (Istanbul, Turkey), Mine Kalyoncu, Merve Selçuk, Neval Metin Çakar, Ceren Ayça Yıldız, Burcu Uzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gökdemir, Fazilet Karakoç, Bülent Karadağ
PA574	<b>Evaluation of social determinants of health in people with cystic fibrosis living in the affected areas of devastating earthquake in Turkey: multicenter-study</b> Seyda Karabulut (Istanbul, Turkey), Velat Şen, Beste Özsezen, Ali Özdemir, Suat Savaş, Hadice Selimoğlu Şen, Gaye İnal, Mahir Serbes, Pelin Asfuroğlu, Ezgi Çay, Engin Topal, Melih Hangül, Almala Pınar Ergenekon, Ela Erdem Eralp, Sedat Öktem, Zeynep Seda Uyan, Fazilet Karakoç, Bulent Karadağ, Yasemin Gökdemir

**PA575 Social determinants of health in Cystic Fibrosis**  
Seyda Karabulut (Istanbul, Turkey), Neval Metin Çakar, Mine Kalyoncu, Merve Selçuk, Ceren Ayça Yıldız, Damla Kocamaz, Burcu Uzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Fazilet Karakoç, Bülent Karadağ

PS-22

Session 67

08:00 - 09:30

## Poster session: Don't let me down: chronic rejection after lung transplantation

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

Method(s) : Epidemiology Transplantation Imaging Pulmonary function testing Cell and molecular biology Respiratory intensive care Surgery

Tag(s) : Clinical

Chairs : Peter Jaksch (wien, Austria), Louise Bondeelle (geneva, Switzerland)

**PA576 Symptomatic new-onset bronchiectasis after allogeneic haematopoietic stem cell transplantation – revealing an undiagnosed complication**  
Ophir Freund (Tel Aviv, Israel), Yitzhac Hadad, Gidon Pomerantz, Avshalom Shaffer, Dolev Paz, Nevo Barel, Tal Moshe Perluk, Ron Ram, Amir Bar-Shai

**PA577 The pIgR/IgA system alteration: an early biomarker for bronchiolitis obliterans syndrome?**  
François Carlier (Namur, Belgium), Alexandre Vallée, Thomas Planté-Bordeneuve, Charles Pilette, Olivier Brugière, & The Colt Consortium Investigators

**PA578 Dynamic of Angiotensin type I receptor antibodies is associated with poor graft function following lung transplant**  
Andrei Darie (Melbourne, Australia), Bronwyn Levvey, Helen Shingles, Miranda Paraskeva, Kovi Levin, Samantha Ennis, Steven Hiho, Lucy Sullivan, Glen Westall, Gregory Snell

**PA579 Trends in survival and CLAD rates after lung transplantation in Europe**  
Emilie Hofstetter (München, Germany), Robin Vos, Michael Perch, José-Manuel Cifrian Martinez, Giandomenico Manna

**PA580 Dynamic 19F MRI of pulmonary ventilation in lung transplant recipients with and without chronic lung allograft dysfunction**  
Saskia Bos (Newcastle upon Tyne, United Kingdom), Charlotte W Holland, Mary A Neal, Andrew J Fisher, Peter E Thelwall

**PA581 Impact of serial lung function metrics after lung transplantation: a retrospective cohort study**  
Milan Mohammad (Østerbro, Denmark), Jacob Peter Hartmann, Anna Warncke Kristensen, Neval Ete Wareham, Anders Møller Greve, Thomas Kromann Lund, Hans Henrik Lawaetz Schultz, Kristine Jensen, Michael Perch, Ronan Martin Griffin Berg, Jann Mortensen

**PA582 The pleural proteome in lung transplant recipients and non-transplant patients**  
Carlo Mümmeler (München, Germany), Michael Gerckens, Christopher Aboo, Nicole Weiss, Anna Semenova, Benjamin Neumann, Eleonora Tonino, Laura Lambrecht, Nikolas Lehnert, Ali Önder Yildirim, Herbert B. Schiller, Allan Stensballe, Jürgen Behr, Nikolaus Kneidinger

**PA583 Characterization of baseline lung allograft dysfunction in single lung transplant recipients**  
Michael Gerckens (München, Germany), Carlo Mümmeler, Alexander Richard, Johannes Strodel, Pontus Mertsch, Katrin Milger, Tobias Veit, Nils Gade, Ali Önder Yildirim, Christian Schneider, Teresa Kauke, Sebastian Michel, Michael Irlbeck, Jürgen Behr, Nikolaus Kneidinger

**PA584 Early outcomes after lung transplant from donation after cardiocirculatory death. Monocentric experience.**  
Mario Nosotti (Milano (MI), Italy), Alessandro Palleschi, Vittorio Scaravilli, Margherita Brivio, Letizia Morlacchi, Valeria Rossetti, Lorenzo Rosso

**PA585 Prognostic marker for Bronchiolitis Obliterans Syndrome after Lung Transplant: Collagen Type IV Alpha 5 Chain.**  
Marco Guerrieri (Siena, Italy), Martina Armati, Stefano Cattelan, Maddalena Messina, Beatrice Perea, Miriana D'Alessandro, Sara Gangi, Paolo Cameli, Felice Perillo, David Bennett, Antonella Fossi, Michele Genovese, Elena Bargagli, Laura Bergantini

**PA586 Lung retransplantation: the only hope for some patients**  
Elena Lesaga López (Córdoba (Córdoba), Spain), Estefanía Mira Padilla, Francisco Navarro Muñoz, Maria José Cadenas De Llano, Maria Jesús Cobos Ceballos, José Manuel Vaquero Barrios

**PA587 Spirometry telemonitoring in lung transplant patients**  
Dagmara Galle (Borowianka, Poland), Mikołaj Basza, Wojciech Bojanowicz, Fryderyk Zawadzki, Mateusz Soliński, Weronika Kowalczyk, Łukasz Kołtowski, Tomasz Hrapkowicz, Marek Ochman

**PA588** **Late Breaking Abstract - Infodemiology in lung transplantation and access to transplant programs worldwide: inequalities in latin america**  
Ivan Cherrez-Ojeda (Guayaquil, Ecuador), Juan C Calderon, Jorge Caneva, Juan Manuel Ossés, Arturo Cortes-Telles, Ricardo Figueiredo, Nadya Bejarano, Gabriela Rodas-Valero, Ana Ochoa-Brito, Lizzy Orellana, Juan Pablo Achi, Miguel Felix, Leonardo Cano, Karla Robles-Velasco

**PA589** **Late Breaking Abstract - Secretory phospholipase A2-IIA in lung allografts: association with bile acid aspiration, bacteria and inflammatory mediators.**  
Elena Floris (New York, United States), Chiara Camillo, Rayoun Ramendra, Miguel Leiva-Juárez, Anna Miller, Luke Benvenuto, Tereza Martinu, Frank D'Ovidio

**PA590** **Late Breaking Abstract - Ex vivo lung perfusion prolongs donor lung preservation in mice via Hippo signaling -mediated vascular barrier integrity**  
Tian Jiang (Shanghai, China), Renhui Huang, Shaoyuan Zhang, Changhao Ren, Jun Yin, Lijie Tan

**PA591** **Late Breaking Abstract - CLAD phenotype determines post-CLAD outcome: a contemporary single center analysis**  
Andrea Zajacova (Leuven, Belgium), Hanne Beeckmans, Pieterjan Kerckhof, Bart Vanaudenaerde, Saskia Bos, Robin Vos

**PA592** **Late Breaking Abstract - Comparison of Ex Vivo Airway Epithelium of Transplant Recipients**  
Louise Bondeelle (geneva, Switzerland), Fedor Bezrukov, Claudio Devito, Jean Villard, Constant Gensous, Sheryline Loison, Sophie Clement, Song Huang, Samuel Constant, Anne Bergeron, Caroline Tapparel

PS-23

Session 68

08:00 - 09:30

### Poster session: Emerging concepts in exercise testing and training in respiratory disease

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

**Method(s) :** Pulmonary rehabilitation Transplantation Physiology General respiratory patient care

**Tag(s) :** Clinical

**Chairs :** Chris Burtin (Diepenbeek, Belgium), Sara Catherine Buttery (London, United Kingdom)

**PA593** **Effects of Different Exercise Training Modalities on Exercise Capacity and Respiratory Muscle Function in Lung Cancer Survivors: a pilot study**  
Naciye Vardar Yağlı (Ankara, Turkey), Kübra Kılıç, Melda Sağlam, Ebru Calık Kütükcü, Deniz Inal Ince, Saadeetin Kılıcalp

**PA594** **Quality of life after Preoperative Home-based Exercise Training in patients with Lung Cancer: a Responder Analysis**  
Sara Pimenta (Meirinhas, Portugal), Pedro Machado, Cândida G. Silva, Ana Luís Garcia, Tiago Nogueira, Sónia Silva, Cláudia Lares Dos Santos, Maria Vitória Martins, André Canha, Bárbara Oliveiros, Raul A. Martins, Joana Cruz

**PA595** **Effects of early rehabilitation during hospitalization for exacerbation of COPD**  
Ana Filipa Machado (Senhora da Hora, Porto, Portugal), Kirsten Quadflieg, Sarah Haesevoets, Anand Dederen, David Ruttens, Alda Marques, Chris Burtin

**PA596** **Accessibility, benefits and level of enjoyment following an eight-week pulmonary telerehabilitation program in people with respiratory conditions.**  
Lissa Spencer (Sydney (NSW), Australia), Ling Ling Tsai, Amanda Mcanulty, Jennifer Alison

**PA597** **"It made me happier, more relaxed, more enjoying what I was doing": Patients' experiences of self-selected music listening during pulmonary rehabilitation**  
Annemarie Lee (Melbourne (VIC), Australia), William Symington, Peter Jung, Jeanette Tamplin, Imogen Clark

**PA599** **The effects of an eight week training program on resting heart rate recovery after an AECOPD**  
Marieke Wuyts (Leuven, Belgium), Mirka Rozenski, Sofie Breuls, Astrid Blondeel, Fien Hermans, Stephanie Everaerts, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters

**PA600** **Can the 6MST be used to estimate endurance training intensity? A cross sectional study.**  
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Augustin Clet, Jean-Sébastien Prévinaire, Pauline Smondack, Yann Combret, Clément Médrial, Guillaume Prieur, Fairuz Boujibar, Jean-François Muir, Antoine Cuvelier, Jean-Marie Grosbois, David Debeaumont, Marc Beaumont, Elise Artaud-Macari, Francis-Edouard Gravier

**PA601** **The 6MST is valid to estimate endurance training workload: A cross validation study.**  
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Augustin Clet, Jean-Sébastien Prévinaire, Pauline Smondack, Yann Combret, Clément Médrial, Guillaume Prieur, Fairuz Boujibar, Jean-François Muir, Antoine Cuvelier, Jean-Marie Grosbois, David Debeaumont, Marc Beaumont, Elise Artaud-Macari, Francis-Edouard Gravier

**PA602** **Utilizing artificial intelligence for exercise prescription and heart rate monitoring in cardiorespiratory rehabilitation**  
Cassia Goulart (São Carlos, Brazil), Marcela Lopes Alves, Fernando D'Angelo Medeiros, Robson Fernando Borges, Glauco Lima Rodrigues, Carla Cristina De Araújo Alves, Graziella França B. Cipriano, Gerson Cipriano Junior

PA603	<b>The relationship between fear of movement, fatigue severity, dyspnea perception and 1-minute sit-to-stand test performance in lung transplantation recipients</b> Ulas Ar (Ankara, Turkey), Ebru Calik-Kutukcu, Erdal Yekeler
PA604	<b>Investigation of exercise capacity, respiratory and peripheral muscle strength and fatigue in patients underwent pneumonectomy for lung cancer</b> Gülsüm Serttaş Güven (Burdur, Turkey), Meral Boşnak Güçlü, Nur Dilvin Özkan Koyuncuoğlu, Ismail Cüneyt Kurul, Ali Çelik
PA605	<b>A comparison of exercise capacity, respiratory functions, and quality of life in heart failure patients with and without inspiratory muscle weakness and healthy controls</b> Nihan Katayıfçı (Hatay, Turkey), Meral Boşnak Güçlü
PA606	<b>Cardiac hemodynamic behavior during the 1-minute sit-to-stand test in pulmonary hypertension patients</b> Vanessa Resqueti (Natal (RN), Brazil), Ilsa Priscila Santos, Natália Cardoso, Karen Laurentino Nascimento, Stefany Lopes, Joceline Sá, Rodrigo Torres-Castro, Isabel Blanco, Guilherme Fregonezi
PA607	<b>Comparison of muscle oxygenation during Cardiopulmonary exercise and Six-minute walk tests in patients with primary immunodeficiency</b> Riad Bejta (Ankara, Turkey), Meral Boşnak Güçlü, Caner Aytekin
PA608	<b>Effect of elastic tape on the thoracoabdominal kinematics in moderate to very severe individuals with COPD: a crossover study</b> Estéfane Reis (São Paulo, Brazil), Adriana Lunardi, Cibele C. B. Marques Da Silva, Thiago F. Pinto, Regina M. Carvalho-Pinto, Alberto Cukier, Celso R. F. Carvalho, Juliana M. B. Santos
PA609	<b>Does Muscle Oxygenation During The 6-Minute Walk Test in Fibrosing Lung Disease?</b> Fulya Senem KARAAHMETOĞLU (İstanbul, Turkey), Esra Pehlivan, Melih Zeren, Zeynep Betül Özcan, Barış Demirkol, Erdoğan Çetinkaya
PA610	<b>Exercise capacity and activities of daily living in COPD patients with mild and higher symptom scores</b> Deniz Inal-Ince (Ankara, Turkey), Filiz Eyuboglu, Melda Saglam, Naciye Vardar-Yagli, Ebru Calik-Kutukcu, Lutfi Coplu, Hulya Arikan
PA611	<b>Late Breaking Abstract - Muscle oxygenation and cardiorespiratory responses during one and two-leg exercise tests in chronic obstructive pulmonary disease</b> Elif Kocaaga (ANKARA, Turkey), Aslihan Cakmak-Onal, Oguz Karcioglu, Deniz Inal-Ince

PS-24

Session 69

08:00 - 09:30

## Poster session: Highlights of respiratory physiotherapy assessments

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

Method(s) : Pulmonary rehabilitation General respiratory patient care Surgery Public health Pulmonary function testing

Tag(s) : Clinical

Chairs : Maria Koulopoulou (London, United Kingdom), Daniel Langer (Leuven, Belgium)

PA612	<b>TRANSLATION AND CROSS-CULTURAL ADAPTATION OF THE ASTHMA SELF-MANAGEMENT QUESTIONNAIRE FOR THE BRAZILIAN POPULATION</b> Lucien Peroni Gualdi (Natal (RN), Brazil), Lenice Da Costa Lopes, Maria Luiza De Araújo Teixeira, Layane Costa Da Silva, Rencio Bento Florêncio, Illia Florentino Lima
PA613	<b>Portuguese version of the King's Brief Interstitial Lung Disease questionnaire: measurement properties</b> Raquel Vilar Marinho (Coimbra, Portugal), Cátia Paixão, Luís Lázaro, Maria João Cavaco, Inês Farinha, Joana Pacheco, Cíntia Dias, Sérgio Campaignha, Tiago Alfaro, Maria Aurora Mendes, José Joaquim Alvarelhão, Alda Marques
PA614	<b>Unravelling support needs and informal care in COPD and ILD</b> Cíntia Dias (Aveiro, Portugal), Ana Sofia Grave, Raquel Marinho, Cátia Paixão, Patrícia Rebelo, Guilherme Rodrigues, M. Aurora Mendes, Alda Marques
PA615	<b>Assessment of lung health information needs among patients with chronic respiratory diseases attending in a Nigerian tertiary health facility</b> Jibril Mohammed (Kano, Nigeria), Yusuf Bala, Aishat Shittu
PA616	<b>Physical and emotional recovery in intensive care survivors: 12 month observational study</b> Selina M Parry (Parkville (VIC), Australia), Zoe Calulo Rivera, Madeline Cavallaro, Catherine Granger
PA617	<b>Barriers and facilitators of digital health use in children and adolescents with bronchiectasis: Perspectives of parents and healthcare professionals</b> ELENI KORTIANOU (Athens (Alimos), Greece), Vaia Sapouna, Arietta Spinou, Konstantinos Douros, Eleni Kapreli



<b>PA618</b>	<b>Validation of the Late-Life Function and Disability Instrument in people with COPD</b> Thierry Troosters (Leuven, Belgium), Astrid Blondeel, Heleen Demeyer, Victoria Alcaraz-Serrano, Sara Buttery, Joren Buekers, Nikolaos Chynkiamis, Alicia Josa Cullerè, Laura Delgado-Ortiz, Anja Frei, Lies Glorie, Elena Gimeno-Santos, Nicholas Hopkinson, Emily Hume, Carl-Philipp Jansen, Anne Kirsten, Sarah Koch, Dimitrios Megaritis, Paulien Mellaerts, Milo Puhan, Ioannis Vogiatzis, Henrik Watz, Marieke Wuyts, Judith Garcia-Aymerich
<b>PA619</b>	<b>Reliability and validity of Thai version of Baseline Dyspnea Index (BDI) and Transitional Dyspnea Index (TDI) in patients with COPD</b> Sauwaluk Dacha (Chiang Mai, Thailand), Khanittha Wonglangka, Rungtiwa Kanthain, Busaba Chuatrakoon, Arisa Parameyong, Warawut Chaiwong, Nuchanok Niyatiwatchanchai, Theerakorn Theerakittikul, Chaicharn Pothirat
<b>PA620</b>	<b>Translation and Cross-Cultural Adaptation of the Self Evaluation of Breathing Questionnaire into Danish</b> Karen Hjerrild Andreasson (Næstved, Denmark), Julie Sandell Jacobsen, Anja Leth Egsgaard, Kate Rauff Denby, Charlotte Hyldgaard, Uffe Bodtger, Charlotte Suppli Ulrik, Lone Schaadt, Rosalba Courtney, Anne Mette Schmidt
<b>PA621</b>	<b>Understanding the utility of the Breathing Pattern Assessment Tool in assessment of breathing pattern disorders (BrPD)</b> Ella Macierewicz (London, United Kingdom), Lizzie Grillo, Chloe Bloom
<b>PA622</b>	<b>First Nations People Perspectives on Telehealth Physiotherapy: A Qualitative Study Focused on the Therapeutic Relationships</b> Débora Melissa Petry Moecke (Florianópolis, Brazil), Travis Holyk, Stacy Maddocks, Kristin Campbell, Kendall Ho, Pat Camp
<b>PA624</b>	<b>Developing a consensus on the terminology and assessment of breathing pattern disorders</b> Fiona Schreuder (Swansea, United Kingdom), Lizzie Grillo, Anne-Marie Russell, Harriet Shannon, Nicholas Hopkinson, Chloe Bloom, Elizabeth Easton
<b>PA625</b>	<b>Patients' and physiotherapists' perspectives on most relevant treatable traits of functioning in patients with severe exacerbation of COPD: An international survey</b> Debora Mayumi de Oliveira Kawakami (Sao Carlos, Brazil), Naiara Leonardi, Joana Cruz, Audrey Borghi-Silva, Chris Burtin, Renata Gonçalves Mendes
<b>PA626</b>	<b>Airway Stents:Development of a physiotherapy guideline</b> Niamh Flynn (london, United Kingdom), Natasha Venchard, Ricky Thakrar, Rebecca Livingston
<b>PA627</b>	<b>Developing a pulmonary rehabilitation (PR) train-the-trainer programme for PR-staff to set up a lay health workers service.</b> Arietta Spinou (London, United Kingdom), Katherine Harris, Gill Gilworth, Emma Godfrey, Natalie King, Jessica Kawalek, Riddhi Daryanani, Simon Lewin, Patrick White
<b>PA628</b>	<b>Peripheral muscle function performance and sex differences among patients with chronic obstructive pulmonary disease</b> Simone Pancera (Milan, Italy), Riccardo Buraschi, Luca Nicola Cesare Bianchi
<b>PA630</b>	<b>Pediatric normative data on tongue protrusion for subsequent comparison in children with obstructive sleep-disordered breathing.</b> Pierre Cnockaert (Brussels, Belgium), Eugénie Pletinckx, Guillaume Van Wijmeersch, William Poncin

PS-25

Session 70

08:00 - 09:30

**Poster session: Tuberculosis epidemiology, diagnostics and novel tools****Disease(s)** : Respiratory critical care Airway diseases**Method(s)** : Cell and molecular biology Physiology Public health General respiratory patient care Epidemiology Imaging Pulmonary function testing**Tag(s)** : Clinical**Chairs** : Antonia Saktiawati (Yogyakarta, Indonesia), Jussi Saukkonen (Boston, United States)

<b>PA631</b>	<b>The potential of an electronic nose as a screening tool for tuberculosis (TB)</b> Antonia Saktiawati (Yogyakarta, Indonesia), Kuwat Triyana, Shidiq Hidayat, Riris Ahmad, Ari Probandari, Dian Nurputra, Yodi Mahendradhata
<b>PA632</b>	<b>Early experience with Xpert MTB/RIF Ultra point-of-care testing at the Singapore Tuberculosis Control Unit</b> Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Huixian Woo, Suay Hong Gan, Bin Eng Cynthia Chee, Yee Tang Wang
<b>PA633</b>	<b>Correlation between sputum Xpert MTB/RIF Ultra semi-quantitative load with acid-fast bacilli smear grade</b> Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Huixian Woo, Bin Eng Cynthia Chee, Yee Tang Wang



PA634	<b>Microbiological outcome of trace results on Xpert MTB/RIF Ultra: An early experience at Singapore's Tuberculosis Control Unit</b> Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Jerlyn Woo Huixian, Manraj Kaur, Cynthia Bin Eng Chee, Yee Tang Wang
PA635	<b>Exploring Discordance: Assessing Linezolid Resistance in Mycobacterium tuberculosis through Phenotypic DST and Genotypic Nanopore Sequencing Methods.</b> Rashmi Ratnam (Lucknow, India), Parul Jain, Amita Jain
PA636	<b>Diagnostic accuracy of Xpert MTB/RIF Ultra in bronchial aspirate specimens for microbiological confirmation of pulmonary tuberculosis in patients with negative smear and Xpert MTB/RIF Ultra results in sputum</b> Dumitru Chesov (Chisinau, Republic of Moldova), Nelly Ciobanu, Valentina Polevoi, Elena Chesov, Alexandru Codreanu, Christoph Lange, Valeriu Crudu
PA637	<b>Drug resistance characterization and whole genome sequencing of extensively drug-resistant (XDR) and pre-XDR M.tuberculosis from TB patients in Kazakhstan</b> Ulan Kozhamkulov (Astana, Kazakhstan), Zhannur Abilova, Ainur Akhmetova, Saule Rakhimova, Nuray Tynyshtykbayeva, Diana Karabekova, Asset Daniyarov, Ulygbek Kairov, Joseph Almazan, Ainur Akilzhanova
PA638	<b>Emerging threats: PreXDR and XDR-TB strains among MDR-TB cases in Romania.</b> Emilia Tabacu (Bucuresti (Sector 5), Romania), Traian Constantin Panciu, Dragos Baiceanu, Roxana Coriu, Ana Constantin, Oana Popescu, Irina Strambu, Elmira Ibrahim, Beatrice Mahler
PA639	<b>Emergence of bedaquiline resistance among clinical isolates of Multi-Drug Resistant-Mycobacterium tuberculosis from Northern part of India</b> Devendra Singh Chauhan (Agra, India), Ajay Vir Singh, Roopendra Kumar, Rajbala Yadav, Santosh Kumar
PA640	<b>Association of multidrug-resistant tuberculosis with M.tuberculosis Beijing genotype among new cases in Kazakhstan</b> Ainur Akhmetova (Astana, Kazakhstan), Zhannur Abilova, Dauren Yerezhepov, Anar Rakisheva, Ainur Akilzhanova, Ulan Kozhamkulov
PA641	<b>Platelets aggregate in tuberculomas and augment NETs and MMP to worsen TB immunopathology in clinical, murine and in vitro studies</b> Hyeyoung Lee (Singapore, Singapore), Fei Kean Loh, Pei Min Thong, Xuan Ying Poh, Ting Huey Hu, Hai Tarn Chong, Bai Chen, Siew Moy Fong, Wei Keat Teo, Ming Lee, Char Loo Tan, Cristine Szu Lyn Ding, Joshua K Tay, Andres F. Vallejo, Tsin Wen Yeo, Catherine Ong
PA642	<b>Single-cell transcriptome analysis reveals the heterogeneity of immune cells in peripheral blood of patients with mild and severe tuberculosis</b> Wei Sha (Shanghai, China), Li Wang
PA643	<b>Genome wide differential methylation analysis reveals aberrant methylation of T cell immune response related genes in tuberculosis patients</b> Ankit Kumar (chandigarh, India), Indu Verma, Ashutosh Nath Aggarwal, Jyotdeep Kaur
PA644	<b>Phenotypic characterization of Natural Killer Cells in Post Tuberculosis Pulmonary Sequelae</b> Anjana Talwar (Noida (Uttar Pradesh), India), Geetanjali Bade, Rupesh Srivastava, Karan Madan, Chaman Saini, Meghashree Sampath
PA645	<b>Specific natural killer cells functional phenotypes are associated with different clinical spectrum of Mycobacterium tuberculosis infection</b> Joaquin Zuniga (Ciudad de México, Mexico), Itzel A. Gomez-Garcia, Nora E. Regino-Zamarripa, María J. Leyva-Zilli, Ana Sofia Buciyaga, Jose A. Salazar-Garibay, Luis A. Jimenez-Alvarez, Alfredo Cruz-Lagunas, Gustavo Ramirez-Martinez
PA646	<b>HUMAN-BETA-DEFENSIN-1, FERRITIN AND INTERLEUKIN-6: GENDER DIFFERENCES IN PATIENTS WITH PULMONARY TUBERCULOSIS</b> Lilia Todoriko (Chernivtsi, Ukraine), Olha Shevchenko, Iruna Ovcharenko, Olha Pohorielova
PA647	<b>Role of matrix metalloproteinase-1 (MMP-1) on lung remodelling in post pulmonary tuberculosis sequelae</b> Retno Ariza Soemarwoto (Bandar Lampung, Indonesia), Hetti Rusmini, Anse Diana Valentiene Messah, Pad Dilangga, Adityo Wibowo, Syazili Mustofa
PA648	<b>Neutrophil hyperinflammation in uncontrolled DM drives tissue destruction in human pulmonary TB</b> Ting Huey HU (singapore, Singapore), Pei Min Thong, Fei Kean Loh, Chen Bai, Hai Tarn Chong, Hyeyoung Lee, Caroline Victoria Choong, Lovel Corpuz Galamay, Darius L. L. Beh, Alicia X. Y. Ang, Lionel H. W. Lum, Peiling Yang, Amanda Yuan Ling Lim, Shao Feng Mok, Andres F Vallejo, Shih Ling Kao, Catherine W. M. Ong
PA649	<b>Linezolid-Resistant Mycobacterium Tuberculosis: A highly concerning situation for the Tuberculosis Eradication Programme</b> Sushma Yadav (Gwalior, India), Surya Kant, Amita Jain, Rashmi Ratnam

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Session 71

08:00 - 09:30

**Poster session: Imaging and physiological measurement in respiratory infection****Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Respiratory intensive care Cell and molecular biology General respiratory patient care Imaging Physiology Pulmonary function testing Epidemiology Public health Endoscopy and interventional pulmonology**Tag(s) :** Clinical**Chairs :** Martin Witzernath (Berlin, Germany), João Cordeiro Da Costa (Lousada, Portugal)

<b>PA650</b>	<b>Differential diagnosis of tuberculosis and sarcoidosis related mediastinal lymph nodes using PET-CT radiomic analysis</b> Damla Serçe Unat (Konak, İzmir, Turkey), Nurşin Ağuloğlu, Ömer Selim Unat, Ayşegül Aksu, Onur Fevzi Erer, Özer Özdemir, Gülru Polat
<b>PA651</b>	<b>Progression of bronchiectasis on CT and mortality in smokers</b> Alejandro A Diaz (Arlington, United States), Wei Wang, Diego J Maselli, Ruben San José Estépar, Carrie Pistenmaa, Bina Choi, James C Ross, Michael Cho, Raul San José Estépar
<b>PA652</b>	<b>Automatic analysis of bronchus-artery ratios and mucus plugs of 640 chest CTs of EMBARC bronchiectasis patients</b> Harm Tiddens (Rotterdam, Netherlands), Yuxin Chen, Angelina Pieters, Tjeerd Van Der Veer, Eleni-Rosalina Andrinopoulou, Punit Makani, Stefano Aliberti, Pierre-Regis Burgel, Pieter Goeminne, Michal Shteinberg, Michael Loebinger, Charles Haworth, Francesco Blasi, Daan Caudri, Pierluigi Ciet, James Chalmers
<b>PA653</b>	<b>Sarcopenia is associated with mild-to-moderate Bronchiectasis: Hints from functional, histological, and imaging assessment</b> Adriana Nuñez Robainas (Barcelona, Spain), Mariela Nieves Alvarado Miranda, Adriana Nuñez-Robainas, Salvatore Marsico, Cinta Cumplí, Alberto Solano Lopez, Esther Barreiro
<b>PA654</b>	<b>Associations of COVID-19 with post-acute dual-energy lung CT (DECT) measures</b> Elizabeth Oelsner (New York, United States), Sarah Gerard, Junfeng Guo, Emilay Florez, Diane Hawkins, Galen Ziaggi, Eric Hoffman
<b>PA655</b>	<b>Validating the ROSE criteria for COPD-Bronchiectasis coexistence in East Asian populations: Data from Taiwan Bronchiectasis Research Collaboration (TBARC)</b> Yen-Fu Chen (Yun-Lin County, Taiwan), Chia-Ling Chang, Hsin-Han Hou, Ning Chien, Kai-Zen Lu, Ying-Yin Chen, Zheng-Ci Hung, Jung-Yien Chien, Hornq-Chyuan Lin, Chau-Chyun Sheu, Shih-Lung Cheng, Hao-Chien Wang, Chong-Jen Yu
<b>PA656</b>	<b>Prevalence and Predictive Factors of Persistent CT Scan Abnormalities after COVID-19 Pneumonia: A Cohort Study</b> Lamine Chikhaoui (Tunis, Tunisia), Hela Cherif, Soumaya Debbiche, Salma Mokaddem, Mariem Triki, Ferdaous Yangui, Mohamed Ridha Charfi
<b>PA657</b>	<b>PET-CT avidity and Aspergillus serology in chronic pulmonary Aspergillosis</b> Sharon Weinberg (Manchester, United Kingdom), George Kourounis, Frakinda Jabeen, David Denning, Chris Kosmidis
<b>PA658</b>	<b>The Association Between Radiological Scoring with Clinical Findings in Patients with Non Cystic Fibrosis Bronchiectasis</b> Beste Özsezen (Ankara, Turkey), Feyza Kabar, Asena Pınar Sefer
<b>PA659</b>	<b>Lung ultrasound as the tool for monitoring community-acquired pneumonia</b> Lê Quốc Khánh Trần (Hô Chí Minh, Vietnam), Truc Thai-Thanh, Khoa Nguyen-Dang, Lam Nguyen-Ho, Nguyen Tran-Ngoc, Anh Nguyen-Vinh, Nhat Phung-Tran-Huy, Luigi Pisani, Nam Vu Hoai, Vu Thuong-Le
<b>PA660</b>	<b>Defining the clinical-radiological and anatomopathological phenotypes of persistent COVID in immunocompromised patients</b> Leonardo Gori (Florence, Italy), Alessandra Sorano, Gori Leonardo, Diletta Cozzi, Luca Ciani, Michele Spinicci, Lucia Graziani, Alessandro Bartoloni, Valeria Pasini, Camilla Comin, Viola Bonti, Leonardo Giuntoli, Elisabetta Rosi, Paola Parronchi, Gian Maria Rossolini, Federico Lavorini, Sara Tomassetti
<b>PA661</b>	<b>Late Breaking Abstract - Response to antibiotic therapy for pulmonary exacerbations in patients with primary ciliary dyskinesia—an ongoing study</b> Ruth Urbantat (Berlin, Germany), Bent R. Fuhlrott, Ana Stamatova-Tomova, Laura Schaupp, Hannah Nussstein, Eva Steinke, Paulina Aleksander, Janette Tattersall-Wong, Laura Schaad, Mehrak Yoosefi-Moridani, Stephanie Thee, Mirjam Stahl, Jobst Röhmel, Marcus Mall
<b>PA662</b>	<b>Impact of cytokines and chemokines on lung function after COVID-19: 3- and 6-month follow-up.</b> Dominika Jaskóła-Polkowska (Warsaw, Poland), Katarzyna Plewka-Barcik, Krzysztof Kłós, Renata Różyńska, Ewa Pietruszka-Wałęka, Dagmara Kobza, Robert Zdanowski, Karina Jahnz-Różyk, Andrzej Chciałowski

- PA663 hyperinflation in bronchiectasis : a series of 94 patients**  
Tarek Djenfi (Batna, Algeria), Mohamed Redha Selmani, Feryel Chaouki, Merzak Gharnaout, Abdelmadjid Djebbar
- 
- PA664 Lung function in early childhood with diagnosis of post-infectious non-cystic fibrosis bronchiectasis**  
Rossella Lamberti (Milano, Italy), Andrea Farolfi, Michele Ghezzi, Simona Ferraro, Salvatore Zirpoli, Elia Biganzoli, Giuseppe Marano, Sai Spandana Adivishnu, Gian Vincenzo Zuccotti, Enza D'Auria
- 
- PA665 Clinical Severity and High-Resolution CT severity score in COVID-19; is there an association?**  
Kaleem Toori (Rawalpindi, Pakistan), Muhammad Arsalan Qureshi, Raja Mobeen Ahmed
- 
- PA666 Endothelial dysfunction in patients with post-COVID 19 syndrome**  
Arantza Aguirre Mitchell (Mexico, Mexico), Tomas Pena Espinosa, Rocío Sánchez-Santillán, Arturo Orea-Tejeda, Dulce González-Islas, Frida Albarran-López, Amor Estefania Xospa-García, Celemi Mairim Vigil-López, Andrea Zurita-Sandoval, Laura Patricia Arcos-Pacheco, Emilio Gutierrez-Luna, Guillermo Pérez-Cartes, Antonio Paredes Sánchez, Ariel García
- 
- PA667 Clinical and functional data of post-COVID-19 patients during 1-year follow-up**  
Paschalis Steiropoulos (Alexandroupolis, Greece), Fotios Drakopanagiotakis, Anastasios Bogiatzis, Konstantinos Chytopoulos, Dimitrios Kaitatzis, Nikolaos Kostakis, Eleni Andreoglou, Efterpi Tirikidou, Didem Moustafaoglou, Nikoletta Paxinou
- 
- PA668 Evolution over time of lung involvement in severe-critical COVID-19 pneumonia survivors: the non-steroid approach.**  
Vasileios Paraschou (Athens, Greece), Elvira Markela Antonogiannaki, Ioannis Grigoropoulos, Effrosyni D Manali, Konstantinos Thomas, Maria Kallieri, Panagiota Alexopoulou, Andriana I Papaioannou, Spyridon Prountzos, Anastasia Karachaliou, Christina Kontopoulou, Vagia Karageorgou, Stefanos Lampadakis, Myrto Blizou, Ioannis Tomos, Sotiria Grigoropoulou, Dimitra Kavatha, Stelios Loukides, Anastasia Antoniadou, Spyros A Papis
- 
- PA669 Lung function decline in bronchiectasis**  
Dejan Radovanovic (Milano (MI), Italy), Sarah O'Donnell, Andrea Gramegna, Pierachille Santus, Stefano Aliberti, Francesco Blasi,

PS-27

Session 72

08:00 - 09:30

## Poster session: Advancing clinical trials and care in pulmonary fibrosis

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

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

Tag(s) : Clinical

Chairs : Vivien Somogyi (Mainz, Germany), Yet Hong Khor (Melbourne (VIC), Australia)

- PA670 Analysis of Nintedanib Dosing and Mortality in US Medicare Data**  
Andrew H. Limper (Rochester, United States), Vee Thao, David Helfinstine, Lindsey Sangaralingham, Timothy Dempsey
- 
- PA671 Baseline characteristics of patients enrolled in the FIBRONEER-ILD trial of nerandomilast (BI 1015550)**  
Toby M Maher (Los Angeles, United States), Shervin Assassi, Arata Azuma, Vincent Cottin, Anna-Maria Hoffmann-Vold, Michael Kreuter, Justin M. Oldham, Luca Richeldi, Claudia Valenzuela, Marlies S. Wijsenbeek, Carl Coeck, Arno Schlosser, Daniel Wachtlin, Fernando J. Martinez
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- PA672 Design of the FIBRONEER-ON open-label extension trial of nerandomilast (BI 1015550)**  
Wim A. Wuyts (Leuven, Belgium), Luca Richeldi, Shervin Assassi, Arata Azuma, Vincent Cottin, Anna-Maria Hoffmann-Vold, Michael Kreuter, Justin M. Oldham, Fernando J. Martinez, Claudia Valenzuela, Marlies S. Wijsenbeek, Madhu Kanakapura, Alexandra James, Cyril Drzewuski, Carl Coeck, Toby M. Maher
- 
- PA673 Decline in forced vital capacity (FVC) in subjects with idiopathic pulmonary fibrosis (IPF) and progressive pulmonary fibrosis (PPF) compared with healthy references**  
Claudia Valenzuela (Madrid, Spain), Francesco Bonella, Catharina C Moor, Gerrit Weimann, Corinna Miede, Susanne Stowasser, Toby M Maher
- 
- PA674 Changes in lung function and mortality risk in patients with idiopathic pulmonary fibrosis (IPF)**  
Divya Patel (Ridgefield, United States), Justin M Oldham, Megan L Neely, Daniel Wojdyla, Mridu Gulati, Peide Li, Scott M Palmer, Jamie L Todd
- 
- PA675 COMPANION - a randomised controlled study to evaluate the impact of a digital therapy on anxiety and quality of life in patients with pulmonary fibrosis**  
Cecilia Ganslandt (Stockholm, Sweden), Joshua Solomon, Robert Hallowell, Maureen Horton, Jessica Shull

PA676	<b>Enhancing clinical trials design by involving and integrating patient-input through a novel approach: Human factors Clinical Study Experience Simulation</b> Marta Lombardini (Parma, Italy), Marisa Minetti, Francesca Vaccari, Stefania Pironi, John De Foggi, Amy Mac Donald, Thierry Rousselot, Simona Spennato, Gianfranco Vitiello, Marilena Petrerà
PA677	<b>Understanding intentional and non-intentional non-adherence in Pulmonary Fibrosis to antifibrotic treatment: a patient-led multivariate analysis</b> Steve Jones (Overijse, Belgium), Stefano Pavanello, Evangelia Vogiatzaki, Elisabetta Balestro, Anouk Delameillieure, Michael Kreuter, Alba Ubide, Mercè Cases
PA678	<b>The Long-Term Prognostic Impact of Clinical Frailty Scale on Acute Exacerbation of Fibrotic Interstitial Lung Disease</b> Shoichiro Saito (Kobe-city, Japan), Chigusa Shirakawa, Ryo Tachikawa, Kanji Yamada, Jumpei Harada, Kyosuke Wakata, Ryosuke Hirabayashi, Atsushi Nakagawa, Kazuma Nagata, Yuki Sato, Keisuke Tomii
PA679	<b>Acute exacerbation of Interstitial Lung Disease specific comorbidity Index (AEILD-CI) to assess the risk of in-hospital death: a prospective cohort study</b> Xin Zhang (Chengdu, China), Chongyang Zhao, Lei Wang, Li Zhang, Qin Wang, Li Li, Ying Liu, Lei Liu, Lishan Yuan, Min Feng, Gang Wang, Deying Kang
PA681	<b>Association between initial treatment response and prognosis in acute exacerbations of idiopathic pulmonary fibrosis treated with steroid pulse therapy</b> Tsuyoshi Sasada (Kobe, Japan), Chigusa Shirakawa, Kazuma Nagata, Ryo Tachikawa, Keisuke Tomii
PA682	<b>Trastuzumab Deruxtecan (T-DXd)-associated interstitial lung disease (ILD) in a large real-world French cohort of patients with HER2-driven breast cancer and other malignancies.</b> Lana Elu (Paris, France), Anthony Canellas, Pauline Du Rusquec, Marc Antoine Benders, Leonor Drouin, Isabelle Cojean-Zelek, Aurore Vozy, Elias Assaf, Asmahane Benmaziane, Jacques Medioni, Romain Cohen, Laurent Zelek, Marie Wislez, Jacques Gligorov, Pierre Yves Brillet, Nicolas Girard, Kevin Bihan, Jacques Cadranel
PA683	<b>Use of telomere length in the management of idiopathic pulmonary fibrosis</b> Caroline Dahlqvist (Bruxelles, Belgium), Trejsi Muça, Marie-Astrid Van Dievoet, Anabelle Decottignies, Antoine Froidure
PA684	<b>Impact of Air Pollution on Hospitalizations in Patients with Idiopathic Pulmonary Fibrosis in the Community of Madrid</b> Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez-Carrera, Mariana Díaz-Almirón, Francisco Gayá-Moreno, Carlos Carpio, Ester Zamarrón, María Fernández-Velilla, Elena Villamañán, Isabel Esteban-Rodríguez, Lucía Esteban-Baloira, Rita Regojo, Paula Villaverde, Michael Álvarez, Cristina Mariscal, María Alejandra Castillo, Concepción Prados, Rodolfo Álvarez-Sala
PA685	<b>Cough adverse events and FVC decline in the ATLAS study of inhaled pirfenidone (AP01) in Idiopathic Pulmonary Fibrosis</b> Nazia Chaudhuri (Limavady, United Kingdom), Barnaby Hiron, Felix Woodhead, Allison Trucillo, Hao Bao, Deepthi Nair, Colin Reisner, Andrey Pavlov, Craig Conoscenti, Howard Lazarus, Surinder Birring
PA686	<b>Determinants of cough related quality of life in interstitial lung diseases</b> Eeva Saari (Kuopio, Finland), Minna Mononen, Hannele Hasala, Hanna Nurmi, Hannu-Pekka Kettunen, Sanna Suoranta, Elisa Lappi-Blanco, Riitta Kaarteenaho, Minna Purokivi, Heikki Koskela
PA687	<b>Nutritional assessment as a predictor of mortality in idiopathic pulmonary fibrosis</b> Daniel Enrique Vega Lizarazo (Malaga, Spain), Eva Cabrera César, Rocio Fernandez Jimenez, Javier Lopez Garcia, José Manuel Almeria, Francisco Espildora Hernandez, Jose Luis Velasco Garrido
PA688	<b>Nutritional assessment of patients with Idiopathic pulmonary fibrosis and nutritional supplements</b> Javier López (Málaga, Spain), Mercedes Segura Romero, Daniel Enrique Vega Lizarazo, Rocio Fernández Jiménez, José Manuel Ameida, Francisco Espildora Hernandez, José Luis Velasco Garrido, Eva Cabrera Cesar
PA689	<b>International survey on Current Standards for Immunosuppression in Fibrosing Interstitial Lung Diseases</b> Manuela Funke-Chambour (Bern, Switzerland), Philipp Suter, Gisli R. Jenkins, Leticia Kawano-Dourado, Chris J. Ryerson, Athol Wells, Michael Kreuter, Kerri A. Johansson

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Session 73

08:00 - 09:30

Poster session: Treatment of non-idiopathic interstitial lung diseases: what's new?

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#) [Pulmonary vascular diseases](#)Method(s) : General respiratory patient care Pulmonary rehabilitation Pulmonary function testing Imaging Public health  
Physiology Cell and molecular biology Epidemiology

Tag(s) : Clinical

Chairs : Antoine Froidure (Bruxelles, Belgium), Marie Vermant (Leuven, Belgium)



PA690	<b>Inhalation innovation: phase 2b study design of inhaled pirfenidone in the treatment of progressive pulmonary fibrosis</b> Martin Kolb (Hamilton (ON), Canada), Colin Reisner, Deepthi Nair, Felix Woodhead, Howard Lazarus, Craig Conoscenti
PA691	<b>Correlation of Early Cough with Disease Activity measured by High-resolution CT in ATLAS: a Phase 1b Study of Inhaled Pirfenidone in Idiopathic Pulmonary Fibrosis</b> GraceHyun Kim (Los Angeles, United States), Jonathan Goldin, Felix Woodhead, Deepthi Nair, Howard Lazarus, Craig Conoscenti
PA692	<b>Association between Functional Improvement and Structural Changes in Quantitative High-resolution CT in ATLAS: a Phase 1b Study of Inhaled Pirfenidone in Idiopathic Pulmonary Fibrosis</b> GraceHyun Kim (Los Angeles, United States), Jonathan Goldin, Deepthi Nair, Felix Woodhead, Craig Conoscenti, Howard Lazarus
PA693	<b>Changes in dyspnea and cough in real-world PPF patients treated with nintedanib – the INREAL study</b> Michael Kreuter (Mainz, Germany), Joerg H W Distler, Benjamin Löh, Ioana Andreica, Tim Oqueka, Sven Gregor, Christina Bergmann, Michael Westhoff, Thomas Bitter, Lars Hagemeyer, Gunter Assmann, Sven Stieglitz, Sven Gläser, Hubert Wirtz, Claus Keller, Michael Dreher, Maik Brandes, Andrea Marseille, Susanne Fischer, Michael Heß, Anke Kondla, Marlene Hechtner, Dirk Koschel
PA694	<b>Meta-analysis of rituximab treatment of systemic sclerosis related interstitial lung disease</b> Robert Harrington (Dublin, Ireland), Richard Conway, Ruairi Fahy
PA695	<b>Antifibrotic treatment efficacy in progressive pulmonary fibrosis: single center experience</b> Gülfer Nigar Okumuş (Istanbul, Turkey), Ulku Durak, Yasemin Yalcinkaya, Murat Inanc, Zuleyha Bingol
PA696	<b>Cost-effectiveness of earlier diagnosis of interstitial lung diseases (ILDs) and treatment of its progressive form, progressive pulmonary fibrosis (PPF)</b> Pratik Pimple (Connecticut, United States), Seth Walters, Stephane Soulard, Weicheng Ye, Aldo Elsen, Thitima Kongnakorn, Sayooj Raj, Julie Dorey, Pedro Ferreira, Antoine Froidure
PA697	<b>Multicenter real-world data of antifibrotics in non-IPF progressive pulmonary fibrosis (PPF) patients</b> Nesrin Öcal (Ankara, Turkey), Aykut Cilli, Nesrin Mogulkoc Bishop, Funda Coskun, Ahmet Ursavas, Ismail Hanta, Berna Akinci Ozyurek, Kerem Ensarioglu, Alper Erzincan, Esra Yuksel, Beste Arikan, Fatih Uzer, Tugce Sahin Ozdemirel, Salim Misirci, Pelin Pinar Deniz, Ilknur Basyigit, Ozlem Ozdemir Kumbasar
PA698	<b>Impact of the use of oral corticoids in organizing pneumonia post COVID-19 (the NORCOVID clinical trial)</b> David Espejo Castellanos (Barcelona, Spain), Aitor González Amezcua, María Florencia Pilia, Galo David Granados Rosales, Christian Romero Mesones, María Antonia Ramon Belmonte, Iñigo Ojanguren Arranz, Ana Villar Gomez, María Jesús Cruz Carmona, Ferran Torres Benitez, Xavier Muñoz Gall
PA699	<b>Rituximab in Hypersensitivity Pneumonitis refractory to conventional treatment: experience from two centers</b> Diogo Ferreira (Vila Nova De Gaia, Portugal), Inês Carvalho, Eduarda Tinoco, Carla Nogueira, Sofia Neves, António Morais, Sérgio Campinha
PA700	<b>Follow-up of patients with interstitial progressive lung diseases treated with Nintedanib.</b> Daniel Enrique Vega Lizarazo (Malaga, Spain), Sara Sánchez Martin, Eva Cabrera César, Cecilia Lopez Ramirez, Beatriz Jimenez Rodriguez, Ana Dolores Romero Ortiz, Zulema Palacios Hidalgo, David Fole Vazquez, Patricia Guerrero Zamora, Natalia Mena Vazquez, Antonio Hidalgo Molina, Ines De La Cruz Moron, Francisco Espildora Hernandez, Antonio Cruz Medina, Celia Lacarcel Bautista, Adriana Vegas Viñas, Joseluis Velasco Garrido
PA701	<b>Nintedanib for patients with systemic autoimmune diseases associated pulmonary fibrosis: a real-world multicentre study.</b> Eirini Vasarmidi (Heraklion (Crete), Greece), Claudia Ravaglia, Nestor Avgoustidis, Argyro Repa, Ioannis Tomos, Pierre-Antoine Juge, Vasilios Tzilas, Eleni Bibaki, Nikos Tzanakis, Prodromos Sidiropoulos, Philippe Dieude, Raphael Borie, Bruno Crestani, Katerina M. Antoniou
PA702	<b>Patient education and self-management content in fibrotic interstitial lung disease – results of an international multiphase Delphi consensus process with patient involvement</b> Thomas Riegler (Zurich, Switzerland), Sabina A. Guler, Thimo Marcin, Markus Wirz, Patrick Brun, Milo A. Puhan, Anja Frei
PA703	<b>Management of interstitial lung disease in pregnancy: a case series</b> John Zhu (Parkville, Australia), Benjamin Leaver, Aiden Cushnahan, Jyotika Prasad
PA704	<b>Optimizing Cardiopulmonary Rehabilitation Duration for Long COVID Patients: An Exercise Physiology Monitoring Approach.</b> Janos Tamas Varga (Budapest, Hungary), Zsófia Szarvas, Monika Fekete, Gergo Jozsef Szollosi, Katica Kup, Rita Horvath, Maya Schimizu, Fuko Tsuchiya, Ha Eun Choi, Huang-Tzu Wu, Vincze Pongor-Fazekas, Orsolya Kovacs, Kinga Nedda Pete, Renata Cserjesi, Regina Bakos, Orsolya Gobel, Kata Gyongyosi, Renata Pinter, Dora Kolozsvari, Zsuzsanna Kovacs, Zoltan Ungvari, Stefano Tarantini, Gabor Horvath, Veronika Muller

- PA705** **Clinical profile of patients with Interstitial Lung Disease (ILD) and Telomere Biology Disorder (TBD): A single-center retrospective experience**  
Amina Hamza (rochester, United States), Pranav Modi, Alejandro Diaz Arumir Vergara, Alejandro Ferrer, Ana Zamora
- PA706** **Late Breaking Abstract - Prevalence of pulmonary embolism among ILD patients with respiratory worsening**  
Nimrod Orr Urtreger (Tel Aviv, Israel), Noa Hallak, Amir Bar-Shai, Ariel Melloul, Evgeni Gershman, Avraham Unterman
- PA707** **Late Breaking Abstract - Role of exhaled nitric oxide in predicting checkpoint inhibitor-related pneumoniapropective observational study**  
Yimei Gao (510515, China), Haohua Huang, Tiantian Liu, Zeyu Fu, Junwei Chen, Jinzhong Zhuo, Junjie Xi, Xiaoxiao Jiang, Danhui Huang, Liping Huang, Yanqun Li, Qi Yu, Yuhan Du, Laiyu Liu, Shaoxi Cai, Hangming Dong
- PA708** **Late Breaking Abstract - Survival in Idiopathic Pulmonary Fibrosis and Connective Tissue Disease-Interstitial Lung Disease**  
Roberto Giovanni Carbone (Genova (GE), Italy), Rosangela Filiberti, Silvia Chiola, Gian Luca Pariscenti, Gianmario Sambuceti, Francesco Puppo
- PA709** **Late Breaking Abstract - Lost in Translation: Altered fibroblast translatome in lung fibrosis.**  
Harry Karmouty-Quintana (Houston, United States), Scott Collum, Sandeep Agarwal, Rahat Hussain, Howard Huang, Catherine Denicourt

PS-29

Session 74

08:00 - 09:30

## Poster session: Sarcoidosis: clinical aspects

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

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

Tag(s) : Clinical

Chairs : Dominique Israel-Biet (Paris, France), Vasileios Kouranos (London, United Kingdom)

- PA710** **Women with sarcoidosis are more affected by cancer comorbidity than men: data from the Austrian Registry**  
Claudia Guttman-Ducke (Wien, Austria), Pavla Sarova, Martin Lutnik, Daniela Gompelmann, Marco Idzko
- PA711** **Meta-analysis of 18F-FDG PET/CT in diagnosis and prognostic evaluation of thoracic sarcoidosis**  
Ryan Donnelly (Dublin, Ireland), Michael Mc Dermott, Gerry Mc Manus, Alessandro N. Franciosi, Michael P Keane, Emmet E Mc Grath, Cormac Mc Carthy, David J Murphy
- PA712** **Urolithiasis is associated with an increased risk of sarcoidosis in a cohort in Sweden**  
Joanna Werner (Uppsala, Sweden), Elizabeth V. Arkema, Tomas Thiel, Susanna Kullberg
- PA713** **Is there any relation between residual volume (RV) and tomographic pattern in Sarcoidosis patients at diagnosis?**  
Gonçalo Moura Portugal (Almada, Portugal), Bruno Von Amann, Naiara Santos-Erice, Cristian Tebé Cordomi, Santiago Bolívar, Joan Maña, Maria Molina-Molina, Vanesa Vicens-Zygmunt
- PA714** **Sarcoidosis with cardiac involvement: whoever searches will find**  
Carolin Hesse (St. Gallen, Switzerland), Florent Baty, Niklas F. Ehl, Martin Brutsche
- PA715** **Cystic lung in sarcoidosis: a rare condition**  
Giovanni Franco (Monza, Italy), Marie-Pierre Debray, Niccolò Anzani, Almerico Marruchella, Aurelie Cazes, Pierre Le Guen, Camille Taillé, Paola Faverio, Raphaël Borie, Fabrizio Luppi, Bruno Crestani
- PA716** **New phenotyping questionnaire for diagnosing sarcoidosis-associated small fiber neuropathy**  
Lisette R M Raasing (Nieuwegein, Netherlands), Oscar J M Vogels, Mirjam Datema, Carmen A Ambarus, Martijn R Tannemaat, Jan C Grutters, Marcel Veltkamp
- PA717** **Sarcoidosis and cancer - a diagnostic dilemma**  
Diana Calaras (Chisinau, Republic of Moldova), Aliona David, Alexandru Corlateanu
- PA718** **Phenotyping of Sarcoidosis: Moving (a step closer) Towards Sarcoidosis as a Syndrome**  
Bjoern Frye (Freiburg, Germany), Martin Feineis, Charlott Terschluse, Louis Jouanjan, Daiana Stolz, Johanna Nattenmüller, Prerana Agarwal
- PA719** **Impact of Standard of Living on the 2-year course in sarcoidosis**  
Farah Mesli (Paris, France), Lucile Sesé, Catherine Cavalin, Cécile Rotenberg, Dominique Valeyre, Carole Planès, Hilario Nunes, Florence Jeny



- PA720** **Evaluating the Influence of Smoking on Sarcoidosis Prognosis: A Comprehensive Retrospective Study**  
Alejandro Daniel Frino-García (Barcelona, Spain), María Luisa Rullán Arias, Xavier Alsina-Restoy, Joel Francesqui-Candela, María Belén Noboa-Sevilla, Pamela Kette-Aguilera, Nancy Pérez-Rodas, Manel Ramos, Daniel Ramos, Fernanda Hernández-González, Jacobo Sellarés
- PA721** **Sensitivity of high-sensitive cardiac troponin and NTproBNP as additional biomarkers in detection of cardiac sarcoid- experience in a UK centre**  
Trishala Raj (Leeds, United Kingdom), Timothy Sutherland, Alison Boland, Anshuman Sengupta, Alexander Simms, Kate Gatenby, Paul Beirne
- PA722** **Relationship between fatigue, subclinical systemic inflammation, and lung function parameters in patients with sarcoidosis remission.**  
Karol Bączek (Łódź, Poland), Witold Górski, Joanna Miłkowska-Dymanowska, Anna Kumor-Kisielewska, Adam Białas, Łukasz Gwadera, Elżbieta Małujło-Balcerska, Wojciech Piotrowski
- PA723** **Fatigue, restless legs syndrome, pain and cognitive impairment in patients with sarcoidosis associated small fiber neuropathy**  
Lisette R M Raasing (Nieuwegein, Netherlands), Marcel Veltkamp, Mirjam Datema, Jan C Grutters, Oscar J M Vogels
- PA724** **Correlation between GAP index and DSP score in patients with pulmonary sarcoidosis**  
Yosra Abdelhedi (tunis, Tunisia), Khoulood Kchaou, Chaima Briki, Safa Daly, Sirine Jamli, Saloua Ben Khamsa Jameleddine
- PA725** **Correlation between DSP index and lung function in patients with pulmonary sarcoidosis**  
safa daly (la marsa, Tunisia), Khoulood Kchaou, Chaima Briki, Yosra Abdelhedi, Saloua Ben Khamsa Jameleddine
- PA726** **A Tunisian sample : Comorbidity and sarcoidosis**  
Ines moussa (ariana, Tunisia), Tarak Cherif, Chariag Mayssa, Ben Hmida Lenda, Affes Meriem, Bziouech Oumaima, Mrassi Hana, Sahnoun Imen, Douik Elgharbi Leila
- PA727** **Association of metal working with sarcoidosis and chronic beryllium disease**  
Louis Jouanjan (Freiburg, Germany), Charlott Terschluse, Martin Feineis, Caroline Quartucci, Gernot Zissel, Joachim Müller-Quernheim, Daiana Stolz, Björn C. Frye
- PA728** **Longitudinal validation of the King's Sarcoidosis Questionnaire in a cohort with mild sarcoidosis**  
Janne Møller (Skanderborg, Denmark), Thomas Skovhus Prior, Ole Hilberg, Surinder Birring, Elisabeth Bendstrup
- PA729** **Sarcoidosis HRCT subtypes and their relation to symptoms and lung function test results**  
Justyna Sobczak (Kalisz, Poland), Joanna Miłkowska-Dymanowska, Piotr Łacwik, Adam J Białas, Łukasz Gwadera, Patryk Sobczak, Wojciech J Piotrowski

**PS-3** **Session 75** **08:00 - 09:30**

**Poster session: A primary care approach to asthma**

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

**Method(s) :** General respiratory patient care Public health Pulmonary function testing Physiology Epidemiology

**Tag(s) :** Clinical

**Chairs :** Miguel Román Rodriguez (Palma De Mallorca, Spain), Camille Rolland-Debord (clermont-ferrand, France)

- PA730** **Treatment patterns for eosinophilic granulomatosis with polyangiitis (EGPA): a retrospective observational cohort study in England**  
Salman Siddiqui (London, United Kingdom), Paul Dolin, Anat Shavit, Jennifer Rowell, Chris Edmonds, Danuta Kielar, Alessandra Lacetera, Pablo Suárez-Sánchez, Cono Ariti, Béléne Podmore, Alvaro Kitchin Velarde, Stephanie Y Chen
- PA731** **Multi-morbidity in Type 2 Disease: A Patient and Providers Survey**  
Ruth Tal-Singer (Media, United States), Donna Gardner, Brian Lipworth, Alberto Papi, Dave Singh, Mary Jo Strobel, Robert Wise, Tonya Winders
- PA732** **Trends, attitudes, and perceptions of Indian physicians in allergic rhinitis management**  
Sandeep more (Thane, India), Mahesh Padukudru, Gaurav Medikeri
- PA733** **Diagnostic accuracy of ad-hoc peak expiratory flow rate measurements (PFs): a systematic review**  
Luke Daines (Edinburgh (Edinburgh), United Kingdom), Pooja Devani, Ali Hakizimana, Norita Binti Hussein, Rizawati Binti Ramli, Beh Hooi Chin, Ran Wang, Siti Nurkamilla Binti Ramdzan, Wei Leik Ng, Stephen Fowler, Khoo Ee Ming, Hilary Pinnock, Erol Gaillard
- PA734** **Clinical manifestations of allergy in teachers in the Agadir region using chalk**  
Abdelmajid Oulahbib (agadir, Morocco), Younes Essaid, Aboubekr Imzil, Oussama Halloumi, Nada Boutbagha, Abdelkrim Khannous, Sofia Farhat, Hanane Ikrou, Selma Abdala, Hind Serhane

PA735	<b>The impact of periodontal therapy on respiratory health: an intervention study</b> Anders Røsland (BERGEN, Norway), Andrei Malinovski, Dagmar F. Bunæs, Stein Atle Lie, Randi J. Bertelsen
PA736	<b>FeNO guided primary care interventions in patients with high SABA use</b> Gerda Compagne (Hardenberg, Netherlands), Piet Ooms, Job F.M. van Boven
PA737	<b>Efficacy of a community paediatric asthma diagnostic pathway.</b> Natalie Blyth (Leicester, United Kingdom), Joe Madge, Prakash Patel, Gemma Vissani, Charlotte Simpson, Louise Ryan, Joel Ezro-Griffiths, Vinayak Rai, Molla Imaddudin Ahmed, David Lo, Erol Gaillard
PA738	<b>Short-term outcomes after implementation of SABA-free asthma management with a maintenance and anti-inflammatory reliever regimen within primary care</b> Samantha Harrison (Coventry, United Kingdom), Sudip Ghosh, Kara Holtham, Emma Goulding
PA739	<b>An exploration of the implementation of FeNO testing and a FeNO-guided algorithm in primary care in England</b> Grace Lewis (Bristol, United Kingdom), Kate Morton, Marta Santillo, Lucy Yardley, Kay Wang, Ben Ainsworth, Sarah Tonkin-Crine
PA740	<b>Comparing SABA-free asthma management with Primary care SABA users.</b> Luis Javier Nannini (Rosario (Pcia. Santa Fe), Argentina), Luis Javier Nannini, Martin Sivori, Nadia Brandan, Luciano Capelli, Octavio Fernandez, Claudio Gonzalez
PA741	<b>General practice (GP) text messaging support for medication adherence in asthma and COPD patients: a randomised controlled trial</b> John Twelves (London, United Kingdom), Victoria Flahavan, Patrick Savoie, Maya Chaldecott, James Leadbetter, Tamsyn Naylor, Zoe Moon, Rob Horne, Melanie Gorobzov
PA742	<b>The Effect of Implementing Asthma Pay-for-Performance (P4P) on Healthcare Outcomes in Taiwan: A Nationwide Retrospective Cohort Analysis.</b> Pin-Kuei Fu (Taichung, Taiwan), Tsung-Hsien Yu
PA743	<b>Characteristics and treatment escalation of severe uncontrolled asthma patients in primary care in Sweden</b> Caroline Stridsman (Luleå, Sweden), Jon R Konradsen, Sylvia Packham, Jörgen Syk, Apostolos Bossios
PA744	<b>Impact of a GINA education and implementation programme: an interim analysis of a multi-centre, single-arm study (Care4All)</b> Kewu Huang (Beijing, China), Meishan Liu, Wenjun Wang, Honglei Shi, Eric D. Bateman, Huahao Shen, Chen Wang
PA745	<b>Diagnostic cutoff values for portable nasal nitric oxide test in patients with primary ciliary dyskinesia</b> Eun Hee Chung (Daejeon, Republic of Korea), Kyung Hee Lee, Minji Kim, Keun Baek Song
PA746	<b>A randomized crossover study assessing critical errors and preferences of two commonly used multi-dose dry-powder inhalers</b> Job van der Palen (Enschede, Netherlands), Pjotr Tinke, Martijn Goosens, Wendy Van Beurden
PA747	<b>Influence of inhalation profile on deposition in COPD and Asthma patients</b> Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Erik Franck, Hosein Sadafi, Navid Monshi Tousi, Jan De Backer, Wilfried De Backer
PA748	<b>Primary care of adults with asthma in Canada: Analysis of Canadian Primary Care Sentinel Surveillance Network (CPCSSN) data</b> Alison Morra (port hope, Canada), Sabrina Allarakhia, Rebecca Theal, Rachael Morkem, Max Moloney, Samir Gupta, Genevieve Digby, John Queenan, M Diane Loughheed
PA749	<b>Late Breaking Abstract - Characterisation of patients with COPD in the ASTER study cohort</b> Carmen Stabile (Prato, Italy), Miriam Vighini, Donato Cinquepalmi, Barbara Grassi, Ilksen Ungan Yoruk, Riccardo Pistelli

PS-30

Session 76

08:00 - 09:30

## Poster session: Pulmonary embolism: acute and long-term management

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

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

Tag(s) : Clinical

Chairs : Raphaël Le Mao (Brest, France), Fida Charif (Beirut, Lebanon)

PA750	<b>Artificial intelligence quantitative Analysis of Pulmonary Morphological Metrics in CTEPH and CTEPD patients: A Single-Center Comparative Study</b> Anqi Liu (Beijing, China), Wenqing Xu, Linfeng Xi, Jianping Wang, Wanmu Xie, Min Liu
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PA751	<b>Role of microbial-derived metabolites in the pulmonary embolism. MICTEP study.</b> Remedios Otero Candelera (Sevilla, Spain), Alberto García Ortega, Rosa Del Campo Moreno, José Luis Lobo Beristáin, Verónica Sánchez López, José Avendaño Ortiz, Ana Pedro Tudela, Cristina De Juana Izquierdo, Laura Taberner Lino, Grace Oscullo Yopez, José Daniel Gómez Olivas, David Jiménez Castro
PA752	<b>Investigation of the sclerosing effect of increasing doses of polidocanol on pulmonary vessels: Experimental study</b> Duygu Zorlu (İzmir, Turkey), Ozdemir Imran, Nuray Bayar Muluk, Enes Güngör, Evrim Yilmaz, Cemal Cingi
PA753	<b>An observational study of PE-related mortality trends in EU15+ countries across a 20-year period</b> Yueqi Ge (Ealing, United Kingdom), Justin D Saliccioli, Leanne Cheng, Joseph Shalhoub, Dominic C Marshall, Gulammehdi Haji
PA754	<b>Treatment and long term follow-up results in patients with pulmonary vascular thrombosis related with COVID-19</b> Nigar Aliyeva (Istanbul, Turkey), Buket Çalışkaner Öztürk, Burçak Kılıçkiran Avcı, Ersan Atahan
PA755	<b>The impact of COVID-19 and Long COVID for pulmonary embolism patients undergoing anticoagulation prior to COVID-19: a multicenter cohort study during omicron pandemic</b> Yishan Li (Beijing, China), Dingyi Wang, Linfeng Xi, Wanmu Xie, Zhenguo Zhai, Chen Wang
PA756	<b>Whole genome sequencing identifies low frequency mutations: GP6, TET2 and JAK2 of VTE in Chinese Han familial cohort</b> Zhu Zhang (Beijing, China), Mingming Su, Yu Zhang, Haobo Li, Xianbo Zuo, Peiran Yang, Zhenguo Zhai, Chen Wang
PA757	<b>Risk assessment in lung cancer-associated pulmonary embolism (LCA-PE)</b> Francesco Tannura (Pisa, Italy), Andrea Sbrana, Antonio Chella, Alessandro Celi, Roberta Pancani, Laura Carrozzi
PA758	<b>Chronic Thromboembolic Pulmonary Hypertension (CTEPH) after COVID-19-associated pulmonary embolism in France: a nationwide study</b> Marjolaine Georges (Dijon Cedex, France), Pierre Tankéré, Jonathan Cottenet, Nicolas Favrolt, Anne Sophie Mariet, Emilie Lajeune, Guillaume Beltramo, Philippe Bonniaud, Catherine Quantin
PA759	<b>Clinical characteristics, risk factors and outcomes of acute pulmonary embolism in Thailand: 6-year retrospective study</b> Pattarin Pirompanich, Ornnicha Sathitakorn, Teeraphan Suppakomonnun, Tunlanut Sapankaew
PA760	<b>A Single-cell Census of Pulmonary Endarterectomies Tissue across different anatomical regions in chronic thromboembolic pulmonary hypertension</b> Rui Zhang (Shanghai, China), Sugang Gong, Yunlong Zhang, Huiting Li, Qinhua Zhao, Lan Wang
PA761	<b>The effect of age on mortality after pulmonary endarterectomy</b> Derya Kocakaya (Istanbul, Turkey), Sehnaz Olgun Yıldızeli, Hüseyin Arıkan, Aslı Tufan, Halil Ataş, Koray Ak, Sait Karakurt, Bedrettin Yıldızeli

PS-31

Session 77

08:00 - 09:30

Poster session: Endobronchial ultrasound: freezing and forging ahead!

Disease(s) : Thoracic oncology Interstitial lung diseases Pulmonary vascular diseases

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

Tag(s) : Clinical

Chairs : Syed Basharith Mehdi (Bolton, United Kingdom), Evangelia Koukaki (SALAMINA, Greece)

PA762	<b>Is BIS the answer to grant optimal sedation during EBUS procedures?</b> Juan Fco. Nieves Salceda (Oviedo, Spain), Lucía García Alfonso, Francisco Julian López González, Juan Alejandro Cascón Hernández, Miguel Angel Ariza Prota, María Pilar Gil Muñoz, Sandra Fernández Rodríguez, Inmaculada Sánchez Fernández, Susana Acebo Fernández, Patricia Álvarez Álvarez, Laura Abad Chamorro, Eduardo Sánchez Vázquez, Isabel Martínez González-Posada, María Rodil Riera, Marina Acebo Castro, Claudia Mañana Valdés, Marta María García Clemente
PA763	<b>Correlation of PET-CT FDG uptake, endobronchial ultrasound cytology and surgical biopsy in patients with Non-Small Cell Lung Cancer undergoing curative surgery.</b> Stav Rakedzon (Haifa, Israel), Elad Mor, Yaniv Yechiel, Yaron Sait, Fuad Khoury, Ivan Gur, Tzah Feldman, Luda Guralnik, Amit Katz, Yaniv Zohar, Anna Solomonov, Zohar Keidar, Alona Zer Kuch, Sameh Daher, Olga Kagna, Michael Orlovsky, Inna Naroditsky, Eyal Fuchs, Leonid Malkin, Maya Abu Gazala, Talia Shantzer, Maria Zahran, Hanna Dawood, Yaniv Dotan
PA764	<b>Contribution of flow cytometric analysis of endobronchial ultrasound-guided trans-bronchial needle aspiration specimens for diagnosis of mediastinal malignant lymphoma</b> Takuma Ina (Toyoake, Japan, Japan), Ryoma Moriya, Yuri Maeda, Tomoya Horiguchi, Yasuhiro Goto, Naozumi Hashimoto, Kazuyoshi Imaizumi

PA765	<b>Comparison of diagnostic yield of endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) using 15 versus 20 versus 25 lymph node agitations in patients with mediastinal lymphadenopathy: a randomized trial.</b> Randeep Singh (Jammu (Jammu & Kashmir), India), Ruchi Dua
PA766	<b>Comparison of Three Different 22-G Endobronchial Ultrasonography (EBUS) Needles in Terms of Diagnostic Yield</b> Neşe Dursunoğlu (Denizli, Turkey), Nazli Cetin, Erhan Ugurlu
PA767	<b>The microcentrifuge tube cell block technique improves mediastinal mass and lymphadenopathy diagnosis and cellularity yield in endobronchial ultrasound transbronchial needle aspiration specimens.</b> Duangrat Pruettivorawongse (Bangkok, Thailand), Chayanon Songsomboon, Tananchai Peknak, Viboon Boonsarngsuk, Atcharaporn Pongtippan, Sirithep Plumwarasawat
PA768	<b>Transbronchial mediastinal cryobiopsy guided by endobronchial ultrasonography: case series of 132 cases</b> Esperanza Salcedo Lobera (Málaga, Spain), Mario Garcia Garcia, Macarena Arroyo Varela
PA769	<b>A novel scoring system in endobronchial ultrasound-guided transbronchial needle aspiration</b> Ilaria Cuccaro (Rome, Italy), Kristopher Richard Flores, Rossana Vigliarolo, Federica Olmati, Giuseppina Gioffrè, Angela Maria Pia Succu, Leo Guidobaldi, Paolo Palange, Maria Cristina Zappa
PA771	<b>NOSE examination of EBUS/EUSb samples- new method of sample adequacy evaluation</b> Zuzana Šestáková (Prague, Czech Republic), Jiri Votruba, Tomas Bruha
PA772	<b>DESCRIPTIVE STUDY OF ENDOBRONCHIAL ULTRASOUND-GUIDED TRANSBRONCHIAL CRYOBIOPSIES IN THE DIAGNOSIS OF MEDIASTINAL LESIONS</b> Sabina Perello Rosello (Palma De Mallorca, Spain), Marcos Becerra Aineto, Ruth Engonga Gutiérrez, María Diaz Jiménez, Cristina Gómez Bellvert, Ana Forteza Valades, Alberto Alonso Fernández, Jaume Sauleda Roig
PA773	<b>An Explorative Analysis on Cryo-passes and Freezing Time in Endobronchial Ultrasound-Guided Transbronchial Mediastinal Cryobiopsy</b> Sze Shyang Kho (Kuching (Sarawak), Malaysia), Shirin Hui Tan, Chun Ian Soo, Hema Yamini Devi Ramarmuty, Chan Sin Chai, Nai Chien Huan, Khai Lip Ng, Yuji Matsumoto, Venerino Poletti, Siew Teck Tie
PA774	<b>High dose Emblica officinalis on cough suppression during endobronchial ultrasound bronchoscopy compared to Dextromethorphan and Placebo: a double blinded randomized controlled trial.</b> Sarocho Phiphitsuangjan (Bangkok, Thailand), Thitiwat Sriprasart
PA775	<b>Rapid on site evaluation of imprint smear cytology of thoracic endoscopy specimen by a pulmonologist (pROSEI) - Feasibility and diagnostic utility</b> Avinash Murugan (Kannur, India), Rajiv Goyal, Manish Aggarwal, Aarushi Chokhani
PA776	<b>Evaluating the role of ATS/ERS/JRS/ALAT high resolution CT-Thorax UIP imaging categories in selecting candidates for transbronchial lung cryobiopsy for undifferentiated ILD, a retrospective study</b> Sean Landers (Celbridge, Ireland), Grace O'Sullivan, Louise Burke, Deirdre Doyle, Michael Maher, Michael T Henry
PA777	<b>Procedural and sampling techniques for cryobiopsy in interstitial lung disease: a systematic review and meta-analysis</b> Julia Lachowicz (Melbourne, Australia), Natasha Smallwood, Jyotika Prasad, Purab Patel, Yet Hong Khor, Daniel Steinfort
PA778	<b>Low bleeding rates following transbronchial lung cryobiopsy in unclassifiable interstitial lung disease</b> John Taverner (Melbourne (VIC), Australia), Carmen Lucena, Justin Garner, Christopher Orton, Andrew Nicholson, Sujal Desai, Athol Wells, Pallav Shah
PA779	<b>Dexmedetomidine as sedative agent for flexible bronchoscopy: efficacy and patient satisfaction</b> Eirini Vasarmidi (Heraklion (Crete), Greece), Vaia Stamatopoulou, Irini Lambiri, Konstantinos Karagiannis, Georgios Prinianakis, Michail Fanaridis, Gerasimos Lekatsas, Christina Ermidou, Dimitrios Georgopoulos, Nikolaos Tzanakis
PA780	<b>Association between lesion angle on endobronchial ultrasound and biopsy utility in diagnosing peripheral pulmonary lesions: a retrospective analysis.</b> Jia Tang (Chongqing, China), Yishi Li, Shuliang Guo
PA781	<b>Ultrasound-guided transbronchial cryobiopsy of mediastinal and hilar lesions: A cohort study from four Swiss centres</b> Carolin Steinack (Zürich, Switzerland), Melanie Mangold, Jürgen Hetzel, Tsogyal Latshang, Daniel Franzen, Maurice Roeder, Silvan Vesenbeckh, Silvia Ulrich, Thomas Gaisl

PS-4 Session 78 08:00 - 09:30

Poster session: Artificial intelligence and machine learning in respiratory care: the features and algorithms for monitoring, diagnosis, prediction and advice

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

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

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right, Clinical

**Chairs :** Vitalii Poberezhets (Vinnytsia, Ukraine), Cristina Isabel Oliveira Jácome (Viatodos, Portugal)

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| PA782 | <b>Artificial Intelligence for Predicting Emergency Departments Visits in Kids with Asthma (AIRE-KIDS)</b><br>Dhenuka Radhakrishnan (Ottawa (ON), Canada), Hui-Lee Ooi, Khaled El Emam   |
| PA783 | <b>Predicting asthma attacks in New Zealand using machine learning</b><br>Widana Kankanamge Darsha Jayamini (Auckland, New Zealand), Farhaan Mirza, M.Asif Naeem, Amy Hai Yan Chan, Andrew Tomlin, Holly Tibble, Kebede Beyene   |
| PA784 | <b>Machine learning implementation for enhanced respiratory sound classification: Assessing algorithmic efficacy</b><br>Patricia Alejandra Peña Torres (Sant Cugat del Vallès, Spain), Ines Alejandra Betancourt Torres, Jacqueline Torres Castillo  |
| PA785 | <b>Early detection of respiratory deterioration using continuous respiratory rate monitoring</b><br>Sherif Gonem (Nottingham, United Kingdom), Lucy Stones, Steve Briggs   |
| PA786 | <b>Validation of a new, minimally-invasive, software smartphone device to predict sleep apnea and its severity</b><br>Juliette MILLET (Paris, France), Justine Frija-Masson, Guillaume Cathelain, Emilie Bequignon, Ala Covali, Josselin Houenou, Hélène Benzaquen, Pierre Alexis Geoffroy, Mathieu Grajoszcx, Marie-Pia D'Ortho   |
| PA787 | <b>Longitudinal Cough Frequency Monitoring in Subjects with Persistent Cough: Daily Variability and Predictability Over 30 Days</b><br>Mindaugas Galvosas (Wilmington, United States), Fan Chung, Peter Small, Carlos Chaccour, Lola Jover, Woo-Jung Song, Matthew Rudd  |
| PA788 | <b>Validation and Accuracy of the Automated AI-powered Continuous Hyfe Cough Monitoring System</b><br>Mindaugas Galvosas (Wilmington, United States), Carlos Chaccour, Isabel Sánchez-Olivieri, Sarah Siegel, Gina Megson, Kevin Winthrope, Juan Berto Botella, Juan Pablo De Torres, Lola Jover, Joe Brew, Matthew Rudd, Peter Small  |
| PA789 | <b>Differentiating Cough Origins in Non-Contact AI Monitoring: Analyzing 'Non-User Coughs' with the Hyfe CoughMonitor Smartwatch</b><br>Mindaugas Galvosas (Wilmington, United States), Joe Brew, Carlos Chaccour, George Kafentzis, Lola Jover, Matthew Rudd, Peter Small   |
| PA790 | <b>Is tachycardia associated with post-COVID symptoms regardless of physical activity level?</b><br>Antonio Sarmento, Diana C. Sanchez-Ramirez   |
| PA791 | <b>Reliability of real-world walking activity and gait assessment in people with COPD. How many hours and days are needed?</b><br>Joren Buekers (Barcelona, Spain), Julia Chernova, José Marchena, Sarah Koch, Jorge Lemos, Clemens Becker, Tecla Bonci, Julia Braun, Brian Caulfield, Silvia Del Din, Heleen Demeyer, Anja Frei, Eran Gazit, Jeffrey M. Hausdorff, Anisoara Ionescu, Carl-Philipp Jansen, Michael Long, Basil Sharrack, David Singleton, Thierry Troosters, Alison J. Yarnall, Lynn Rochester, Judith Garcia-Aymerich |
| PA792 | <b>Predicting exacerbation state of COPD patients with voice analysis: findings of the TACTICAS study</b><br>Loes van Bommel (Maastricht, Netherlands), Ongun Tuna, Lauren Reinders, Esther Wilms, Iris Michels, Julia Hoxha, Ragnar Lunde, Frits M. E. Franssen, Sami O. Simons   |
| PA793 | <b>AI-based diagnosis algorithm of pulmonary arterial hypertension using echocardiography</b><br>Jamol Uzokov (Tashkent, Uzbekistan), Anis Alyavi, Bakhromkhon Alyavi, Akbar Abdullaev, Shovkat Muminov, Sherzod Iskhakov, Sherzod Ashirbaev, Igor Vikhrov   |
| PA794 | <b>Objectives for algorithmic decision-making systems in childhood asthma: perspectives of children, parents, and physicians.</b><br>Omar MASROUR (Rabat, Morocco), Johan Personnic, Flore Amat, Rola Abou Taam, Blandine Prevost, Guillaume Lezmi, Apolline Gonsard, Nadia Nathan, Alexandra Pirojoc, Christophe Delacourt, Stéphanie Wanin, David Drummond   |
| PA795 | <b>Artificial intelligence (AI) in detection of lung malignoma</b><br>Aleksandar Ivkovic (Niš, Republic of Serbia), Tamara Milosavljevic, Stevan Ivkovic, Dušan Ivkovic  |
| PA796 | <b>Late Breaking Abstract - Increased adherence to Easyhaler DPI controller treatment with electronic sensor monitoring and mobile patient feedback in adult patients with asthma</b><br>Satu Lähelmä (KUOPIO, Finland), Thomas Schultz, Athanasios Xanthopoulos, Sabina Wehgartner-Winkler, Mikko Vahteristo, Michael Sebert, Margret Jandl   |



**PA797 Late Breaking Abstract - The use of a digital inhalation coach reduces inhalation error rates in a clinical trial.**  
Laura Arendsen (Munich, Germany), Kai Beeh, Philipp Kroneberg, Michael Meyer, Marion Wencker

**PA798 Late Breaking Abstract - Assessing the Clinical Benefit, Safety, and Patient-reported Outcomes with the Use of the PAHcare™ Digital Platform in Pulmonary Arterial Hypertension: A Pilot Study.**  
Carlos Ojeda Suárez (Las Palmas de Gran Canaria, Spain), Marta Évora García, Nuria Ochoa Parra, Juan Antonio Domingo Morera, Amaya Martínez Meñaca, Marta López Ramón, Sergio Cadenas Menéndez, Fernando Marrero, Sara Gómara De La Cal, Cristina Ghadban Garrido, Patricia Royo Tolosana, Javier Martín Puentes, Rebeca Aldonza Aguayo, Hadis Mahdavi, Gabriela Bacchini Jeanneret, Pilar Escribano Subías, Gregorio Pérez Peñate

**PA799 Late Breaking Abstract - Smart Talk for Allergies: Unveiling an AI Chatbot for Healthier Homes**  
Mingyu Kang (Seoul, Republic of Korea), Eukyung Hwang, Hyesin Jung, Kichul Yu, Kyunglim Lee, Hyunju Kwon, Hahnjin Jung

**PS-5 Session 79 08:00 - 09:30**

**Poster session: Sepsis, pneumonia and other infections**

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

**Method(s) :** Cell and molecular biology Respiratory intensive care General respiratory patient care Epidemiology Pulmonary function testing Physiology

**Tag(s) :** Clinical

**Chairs :** Ana Motos Galera (Barcelona, Spain), Franziska Trudzinski (Heidelberg, Germany)

**PA800 Organ functions in septic patients receiving fluid resuscitation guided by dynamic versus static parameters: a randomized controlled trial**  
THITI SRICHAROENCHAI (Bangkok, Thailand), Nanthawan Okas

**PA801 Which is smarter- SMART-COP or procalcitonin?**  
Ashok Kumar (karachi, Pakistan), Nadia Jawad, Fatima Hussain, Santosh Kumar

**PA802 Role of multidrug-resistant bacteria in weaning from invasive mechanical ventilation**  
Julia Dorothea Michels-Zetsche (Heidelberg, Germany), Vicky Gassmann, Jasmin Jasuja, Benjamin Neetz, Philipp Höger, Jan Meis, Simone Britsch, Urte Sommerwerck, Sebastian Fähndrich, Florian Bronitz, Michael Müller, Felix J.F. Herth, Franziska C. Trudzinski

**PA803 Effect of high dose vitamin D3 on hemoglobin concentrations of mechanically ventilated patients with sepsis: A placebo-controlled randomized controlled trial**  
Animesh Ray (new delhi, India), Raghav Khullar, Jasmita Dass, Jasbir Kaur, Naveet Wig

**PA804 Relaxing on the SOFA? A simplified approach to standardize research methods**  
Daniel Knox (Murray, United States), Teressa Ju, Jason Carr, Lindsay Leither, Ithan Peltan, Michael Lanspa, Jason Jacobs, Colin Grissom, Samuel Brown

**PA805 Transforming antimicrobial usage : unveiling the impact of prospective audit and feedback in curbing overuse through a quasi experimental prospective study.**  
Komal Shah (Ahmedabad (Gujarat), India), Bhavik Shah

**PA806 Prognostic value of calprotectin in patients with sepsis comparing with procalcitonin and presepsin - a pilot study**  
Youjin Chang (Seoul, Republic of Korea), Soojin Yoo, Ju Hyun Oh, Myungjin Lee

**PA807 Exploring the Consequences: Severity and Mortality of Hemorrhagic ARDS in Leptospirosis**  
Tanay Sinha (NAVI MUMBAI, India), Harshita Mishra, Rosna Thomas, Amol Shenurkar, Jairaj Nair

**PA808 Lysophosphatidylcholine acyltransferase level predicts the severity and prognosis of patients with community-acquired pneumonia: A prospective multicenter study**  
Li Chen (Beijing, China), Jianbo Xue, Yu Wang, Zhancheng Gao

**PA809 The predictive value of lactate/albumin ratio for determining the need for ICU admission among hospitalised patients with community-acquired pneumonia.**  
Esra Temel (Edirne, Turkey), Pervin Hancı, Furkan Bilir, Bilkay Serez

**PA810 Comparison of inflammatory profiles in ARDS due to viral or streptococcal infection vs acute exacerbation of ILD**  
Benjamin Seeliger (Hannover, Germany), Emily Jo Winter, Mohamed Elbalkini, Jannik Ruwisch, Thorben Pape, Bahar Nalbant-Avci, Klaus Stahl, Felix Mulenge, Sascha David, Tobias Welte, Theresa Graalmann

**PA811 Prognostic Factors for Acute Exacerbation of Interstitial Pneumonia: Utility of the ROX Index**  
Issei Katayama (Matsuyama, Japan), Hideki Makino, Ryutaro Hirayama, Kazuki Oshita, Kotaro Kajiwara, Takanori Kanematsu



- PA812 Prediction of sepsis with pneumonia in a general ward using artificial intelligence**  
Chang Youl Lee (Chuncheon, Republic of Korea), Ki-Byung Lee, Ji Young Hong, Myung-Goo Lee
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- PA813 Predictive utility of modified shock index and red cell distribution width for mortality in septic patients**  
Ephrem Fantu (Addis Ababa, Ethiopia)
- 
- PA814 Cytokine evolution in the first 24 hours of patients with respiratory infections, with or without sepsis.**  
Elena Campaña-Duel (Sabadell, Spain), Adrian Ceccato, Berta Cistero, Marta Camprubi, Aina Areny, Sara Quero, Monica Lopez, Patricia Salom, Carla Guijarro, Gemma Goma, Antonio Artigas
- 
- PA815 An International validation of the "DECAF score" to predict disease severity and hospital mortality in acute exacerbation of COPD in the UAE.**  
khadeijah Almarshoodi (Fujairah, United Arab Emirates)
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- PA816 Pulmonary toxicology of Poppers in HIV-undetectable patients with overinfection; comparative study.**  
Constantino Cristhian Reyes Fernández (Ciudad de México, Mexico)
- 
- PA817 Analysis and validation of a nomogram for predicting the risk of acute respiratory failure for Pneumocystis Pneumonia patients without HIV**  
Wenjie Bian (Beijing, China), Yue Xin, Yukun He, Xinqian Ma, Wenyi Yu, Wentao Ni, Zhancheng Gao
- 
- PA818 A prospective study of the adipo-myokine irisin in sepsis and septic shock**  
Irene Karampela (Athens, Greece), Natalia Vallianou, Dimitrios Tsilingiris, Gerasimos-Socrates Christodoulatos, Sotiria Psallida, Dimitris Kounatidis, Theodora Stratigou, Ioanna Marinou, Evaggelos Vogiatzakis, Maria Dalamaga
- 
- PA819 Incidence and outcome of sepsis in respiratory intensive care unit**  
Ashraf El-Maraghy (Cairo, Egypt), Ashraf Madkour, Mona Marouf

**PS-6** **Session 80** **08:00 - 09:30**

**Poster session: Insights into the latest cellular and molecular perspectives in COPD and asthma**

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

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

**Tag(s) :** Translational

**Chairs :** Laurent Boyer (Creteil, France), Arnaud Mailleux (Paris, France)

- PA820 Nasal epithelial gene expression data improves the prediction of asthma exacerbations**  
Rui Marçalo (Aveiro, Portugal), Tatiana Karp, Tessa Kole, Alen Faiz, Tessa E. Gillett, Monica Kraft, Judith M. Vonk, Martijn C. Nawijn, Bianca Beghé, Klaus F. Rabe, Alberto Papi, Chris E. Brightling, Dave Singh, Thys Van Der Molen, Salman Siddiqui, Janwillem W.H. Kocks, Nazanin Z. Kermani, Ian M. Adcock, Fan Chung, Pankaj Bhavsar, Alda Marques, Gabriela R. Moura, Victor Guryev, Corry-Anke Brandsma, Maarten Van Den Berge
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- PA821 Connecting the salivary microbiome and blood epigenome with a machine learning interaction approach in children with moderate-to-severe asthma**  
Jelle M. Blankestijn (Amsterdam, Netherlands), Mario Martin-Almeida, Javier Perez-Garcia, María Pino-Yanes, Anne H. Neerinx, Susanne J.H. Vijverberg, Simone Hashimoto, Mario Gorenjak, Olaia Sardón Prado, Paula Corcuera, Javier Korta-Murua, Uroš Potočnik, Corinna Bang, Andre Franke, Christine Wolff, Susanne Brandstetter, Antoaneta A. Toncheva, Parastoo Kheiroddin, Susanne Harner, Michael Kabesch, Aletta D. Kraneveld, Mahmoud I. Abdel-Aziz, Anke H. Maitland-Van Der Zee
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- PA822 Transcriptomic determinants of response to biological therapy (BT) in severe uncontrolled asthma (SUA)**  
Bartomeu Mestre Cañas (Palma de Mallorca, Spain), Bartomeu Mestre, Amanda Iglesias Coma, Josep Muncunill, Maria Berman, Arne Fleischer, Hanaa Shafiek, Nuria Toledo, Jose Luis Valera, Meritxell Lopez, Rocío Martínez, Mar Mosteiro, Ines Escribano, Borja Cosío
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- PA823 Nasal periostin expression is higher in asthma patients with versus without persistent airflow limitation**  
Tessa Kole (Groningen, Netherlands), Tatiana Karp, Alen Faiz, Huib Kerstjens, Monica Kraft, Martijn Nawijn, Klaus Rabe, Alberto Papi, Chris Brightling, Dave Singh, Thys Van Der Molen, Janwillem Kocks, Salman Siddiqui, Bianca Beghé, Victor Guryev, Maarten Van Den Berge
- 
- PA824 Nasal gene expression in T2-low asthma**  
Tatiana Karp (Groningen, Netherlands), Alen Faiz, Tessa E. Gillett, Huib A.M. Kerstjens, Monica Kraft, Martijn C. Nawijn, Bianca Beghé, Klaus F. Rabe, Alberto Papi, Christopher Brightling, Dave Singh, Thys Van Der Molen, Janwillem W.H. Kocks, Salman Siddiqui, Nazanin Z. Kermani, Ian Adcock, Fan Chung, Pankaj Bhavsar, Victor Guryev, Maarten Van Den Berge

PA825	<b>Late Breaking Abstract - Extracellular Vesicles as a Delivery System for Gene Editing to Cure Alpha 1 Antitrypsin Deficiency</b> Tiziana Patrizia Cremona (Bern, Switzerland), Roberta Esposito, Mario Amacker, Anna-Barbara Tschirren, Thomas Geiser, Amiq Gazdhar
PA826	<b>The NOVELTY nasal transcriptome identifies mechanisms in asthma and COPD exacerbators</b> Rosa Faner Canet (Barcelona, Spain), Adnan Azim, Arun Jayaraman, Zhi Lui, Gary Anderson, Greet De Baets, Rod Hughes, Christer Janson, Hana Müllerová, Daniel Muthas, Lisa Öberg, Kristoffer Ostridge, Adam Platt, Stephanie A Christenson, Maarten Van Den Berge, - For The Novelty Scientific Community And The Novelty Study Investigators
PA827	<b>Mitochondrial beta-oxidation is altered in response to prednisolone intervention in mepolizumab treated severe eosinophilic asthma</b> Craig Wheelock (Stockholm, Sweden), Stacey Reinke, Freda Yang, Liam Heaney, John Busby, Pamela Mcdowell, Imran Howell, Ian Pavord, Tim Hinks, Catherine Borg, Chris Brightling, Sarah Diver, Peter Howarth, Rekha Chaudhuri
PA828	<b>Effect of treatment with benralizumab or mepolizumab on the serum proteome in eosinophilic granulomatosis with polyangiitis</b> Eva Rodriguez-Suarez (London, United Kingdom), Mathias Cardner, Michael E. Wechsler, Peter A. Merkel, Benjamin Terrier, David R. W. Jayne, Florence Roufousse, Nancy Agmon-Levin, Lena Börjesson Sjö, Sofia Necander, Maria Jison, Daniel Muthas, Christopher Mccrae
PA829	<b>Genetic pathway score for IL-4/IL-13 signaling is associated with diseases that respond to Dupilumab</b> Manuel Ferreira (Tarrytown, United States), Carlo Sidore, Maria Suci, Lauren Gurski, George Yancopoulos, Aris Baras, Gonçalo Abecasis
PA830	<b>FNDC5/irisin regulates mitochondrial function in airway subepithelial fibrosis of severe asthma</b> Wun-Hao Cheng (Taipei city, Taiwan)
PA831	<b>RNA alternative splicing events as biomarkers for asthma-chronic obstructive pulmonary disease overlap</b> Jung Hur (Seoul, Republic of Korea), Chin Kook Rhee
PA832	<b>Exploring the Therapeutic Potential of Isorhamnetin in the Treatment of Chronic Obstructive Pulmonary Disease via the Ferroptosis Pathway: A Network Pharmacology and Experimental Study</b> Zhiwei Lin (Guangzhou, China), Qianyue Yang, Baoqing Sun, Luqian Zhou
PA833	<b>Lung-resident non-classical monocytes are involved in systemic inflammation in chronic obstructive pulmonary disease</b> Takuya Saito (Sendai, Japan), Naoya Fujino, Shuichi Konno, Yoshinao Ono, Mitsuhiro Yamada, Hisatoshi Sugiura
PA834	<b>ADAM29 elevation in patients with COPD and its association with lung function</b> Shinhee Park (Bucheon-si, Republic of Korea), Min-Hyeok An, Pureun-Haneul Lee, Yunha Nam, Ae Rin Baek, Sung-Woo Park, Junehyuk Lee, Jong Sook Park, Do Jin Kim, An-Soo Jang
PA835	<b>Serum RNASE3 and TREM2 biomarker set predicts clinical response to benralizumab in nasal polyps</b> Zala Jevnikar Rojnik (Mölnådal, Sweden), Zala Jevnikar Rojnik, Mathias Cardner, Giovanna De Palo, Hoda Sharifian, Lisa Öberg, David Cohen, Sofia Necander, Maria Jison, Viktoria Werkström, Chris Chamberlain, Adam Platt, Daniel Muthas, Christopher Mccrae
PA836	<b>Inflammatory lipid mediators in Chronic Obstructive Pulmonary Disease: Association with the disease severity</b> Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri
PA837	<b>Predictive and therapeutic value of lipoprotein-associated phospholipaseA2 in sarcopenia in chronic obstructive pulmonary disease</b> Gang Hou (Beijing, China), Liwei Liao, Mingming Deng
PA838	<b>Asthma improvement and normalization of host defence: a longitudinal proteomics cluster analysis</b> Rita Amaral (Porto, Portugal), Jörgen Syk, Maria Sparreman Mikus, Sven-Erik Dahlén, Andrei Malinovschi, João A Fonseca, Kjell Alving

PS-7 **Session 81** 08:00 - 09:30

Poster session: Unveiling lung mysteries through imaging and modelling

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

Method(s) : Imaging Cell and molecular biology Respiratory intensive care

Tag(s) : Translational

Chairs : Antonella Dost (Utrecht, Netherlands), Niki L. Reynaert (Maastricht, Netherlands)

PA839	<b>Studying lung microvascular endothelial dysfunction upon cigarette smoke exposure using an alveolus-on-chip</b> Anne M. van der Does (Leiden, Netherlands), Abilash Ravi, Tarek Gensheimer, Xinhui Wu, Jill R. Johnson, Martin C. Harmsen, Reinoud Gosens, Pieter S. Hiemstra, Andries D. Van Der Meer
PA840	<b>Generation of alveolar epithelial type 2 cells from patient-derived induced pluripotent stem cells: A novel platform for exploring telomere biology in pulmonary fibrosis</b> Amy Duffy (Dublin, Ireland), Xi Jing Teoh, Wan Lin Ng, Aoife Carolan, Anja Schweikert, Mari Ozaki, Killian Hurley
PA841	<b>Farm dust inhibits epithelial-to-mesenchymal transition in airway epithelial cells exposed to pro-fibrotic mediators after injury</b> Jasmijn A. Schruppf (Leiden, Netherlands), Dennis K. Ninaber, Padmini P.S.J. Khedoe, Erika Von Mutius, Hermelijn H. Smits, Pieter S. Hiemstra
PA842	<b>Improving the 3D microenvironment of mesenchymal stromal cells for lung tissue repair in COPD</b> Lei Wang (Groningen, Netherlands), Jeroen Leijten, Dirk-Jan Slebos, Marissa Wisman, Marnix Jonker, Thomas Van Gansbeke, Jos Olijve, Janette K. Burgess, Irene Heijink
PA843	<b>Assessment of liposomes on precision-cut lung slices: ex vivo assessment on EMT model of human lungs.</b> Cecilia Bagnera (Pavia, Italy), Sara Bozzini, Eleonora Bozza, Matteo Della Zoppa, Lucia Del Frate, Sara Lettieri, Giulio Melloni, Guido Baietto, Manuela Monti, Valeria Binicoletto, Ilaria Andreana, Silvia Arpicco, Federica Meloni
PA844	<b>Treprostinil reduces clinically relevant fibrosis biomarkers in a Scar-in-a-Jar model using a fibrotic cocktail</b> Mark Skarsfeldt (Herlev, Denmark), Filipa B. Simões, Stine V. Johansen, Jannie M.B. Sand
PA845	<b>In vivo isolated lung perfusion: an innovative platform for assessing lung injury propagation in ARDS.</b> Gabriele Fior (Brisbane, Australia), Benjamin Lloyd, Keibun Liu, Angelo Milani, Nchafatso Obonyo, Kota Hoshino, Hideaki Nonaka, Gabriella Abbate, Sofia Portatadino, Rachana Panduru, Kieran Hyslop, Margaret Passmore, Carolyn Meechan-Brown, Kendal Redmond, Richard Slaughter, Bruce Garlick, David McGiffin, Jacky Suen, John Fraser, Gianluigi Li Bassi
PA846	<b>“Macrofluidics”: Development of an accessible large-scale microfluidic Airway-on-Chip</b> Brady Rae (Groningen, Netherlands), Gwenda F. Vasse, Maarten Van Den Berge, Simon D. Pouwels, Irene H. Heijink
PA847	<b>3D models to investigate mechanical forces promoting idiopathic pulmonary fibrosis</b> Isabel Uwagboe (London, United Kingdom), Maria C Zarcone, Alison E John, Charlotte H Dean, Gisli Jenkins, Jody Rosenblatt, Maddy Parsons
PA848	<b>Crotalus durissus cascavella (Cdc) venom acute lung injury: Unveiling clinical implications through a murine experimental model</b> Ricardo Gassmann Figueiredo (Feira De Santana (BA), Brazil), Marcos Lázaro Guerreiro, Elen Azevedo, Mateus Moura, Soraya Trindade, José Bessa Junior, Ilka Biondi
PA849	<b>Advancing lung science with primary adult alveolar organoids: Regeneration, disease modeling, and lung macrophage-epithelial interactions</b> Antonella Dost (Utrecht, Netherlands), Lisanne Van Rooijen, Katarína Balázová, Hans Clevers
PA850	<b>Longitudinal MRI and inflammation infiltrates reveal progressive fibrosis compared to resolving wound healing: comparing lung injury models of Bleomycin and LPS</b> Irma Mahmutovic Persson (Lund, Sweden), Nina Fransén Pettersson, Carla Carvalho, Anders Örbom, René In 't Zandt, Lars E. Olsson, Karin Von Wachenfeldt
PA851	<b>Ex vivo study on the relationship between the circadian clock of blood neutrophils and the effects of alpha1-antitrypsin therapy</b> Julia Held (Hannover, Germany), Sabine Wrenger, Tobias Welte, Sabina Janciauskiene
PA852	<b>AI-CNN empowered micro-CT Imaging: deciphering phenotypic signatures in bleomycin-induced lung injury</b> Baktybek Kojonazarov (Gießen, Germany), Ingrid Henneke, Christina Pilz, Jochen Wilhelm, Norbert Weissmann, Hossein Ardeschir Ghofrani, Friedrich Grimminger, Werner Seeger, Ralph Schermuly, Malgorzata Wygrecka
PA853	<b>Distally derived lung fibroblasts from COPD patients show altered hypoxia-induced cellular responses and inflammatory profile</b> Martin Garcia-Ryde (Lund, Sweden), Nora Marek, Leif Bjermer, Gunilla Westergren-Thorsson, Ellen Tufvesson, Anna-Karin Larsson-Callert
PA854	<b>Effect of mechanosensor channel Piezo1 on alveolar epithelial barrier function and wound healing</b> Naokata Kutsuzawa (Isehara, Japan), Yoko Ito, Shizuko Kagawa, Hiroto Takiguchi, Hiroshi Kimura, Koichiro Asano
PA855	<b>Polymers in alpha-1 antitrypsin deficiency (AATD) patients receiving a liver transplantation (LT)</b> Emily F. A. van 't Wout (Leiden, Netherlands), Naomi Kappe, Sabina Janciauskiene, Jan Stolk, Pieter Hiemstra, Bart Van Hoek

**PA856 Repeated lung function measurements do not accentuate experimental lung fibrosis in mice**  
Tina Röpke (Hannover, Germany), Franziska Aschenbrenner, Lars Knudsen, Tobias Welte, Martin Kolb, Ulrich A. Maus

**PA857 Quantifying the effects of nintedanib treatment on bleomycin-induced pulmonary fibrosis mice model in vivo using a novel synchrotron-based imaging method**  
Robert Skomro (Saskatoon, Canada), Xiaojie Luan, M. Adam Webb, Flinn N. Herriot, Veronica Marcoux, Julian S. Tam, Juan P. Ianowski

**PA858 Quantifying the effect of pirfenidone treatment on bleomycin-induced pulmonary fibrosis mice model in vivo using a novel synchrotron-based imaging method**  
Robert Skomro (Saskatoon, Canada), Xiaojie Luan, M. Adam Webb, Flinn N. Herriot, Veronica Marcoux, Julian S. Tam, Juan P. Ianowski

**PS-8 Session 82 08:00 - 09:30**

**Poster session: Non-continuous positive airway pressure treatment for sleep-disordered breathing: diagnostic aspects of obesity hypoventilation syndrome**

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

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

**Tag(s) :** Clinical

**Chairs :** Richard Staats (Lisbon, Portugal), Lucia Pinilla (Adelaide, Australia)

**PA859 A randomized trial of a non-pharmacological dietary intervention on subjective and polysomnography-measured sleep quality**  
Lancelot Pinto (Mumbai, India), Sharvari Desai, Soumik Kalita, Shobha Iyer, Apurva Halbe, Jagmeet Madan, Shobha Udipi, Rama Vaidya, Ashok Vaidya

**PA860 Rate of adherence to the ESC2021 cardiovascular prevention targets in OSA: an interim analysis.**  
Francesco Del Bello (Falconara Marittima, Italy), Francesca Gonnelli, Iliaria Montesanto, Federico Mei, Martina Bonifazi

**PA861 The modified Baveno classification for obstructive sleep apnoea management**  
Sandhya Matthes (Solingen, Germany), Marcel Tremel, Ludger Grote, Jan Hedner, Zou Ding, Maria Bonsignore, Jean-Louis Pépin, Renaud Tamisier, Sebastien Bailly, Silke Ryan, Walter McNicholas, Sophia Schiza, Johan Verbraecken, Athanasia Pataka, Pawel Sliwinski, Ozen Basoglu, Carolina Lombardi, Gianfranco Parati, Winfried Randerath

**PA862 Is the importance of positional therapy for treatment of obstructive sleep apnea overestimated?**  
Kathleen Jahn (Basel, Switzerland), Werner Strobel

**PA863 Vibrotactile Positional Therapy for positional Obstructive Sleep Apnoea: A Multicentre Randomised Controlled Trial**  
Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Julia Kelly, Roger Newson, Emma Hedley, Ann Nevison, Annabel Nickol, Sophie West, Nicholas Talbot, John Stradling, Mary Morrell

**PA864 Expiratory Positive Expiratory Pressure (EPAP) enhanced Mandibular Advancement Device (MAD) is well tolerated with minor adverse effects**  
Sat Sharma (Toronto (ON), Canada), Antonella Conflitti, Shideh Pejman, Hilary Reiter, Barry Weinstein, Brian Smith, Ivan Valcarengi, Adam Teo, Bob Gibbons

**PA865 A multifaceted clinical phenomenon: the CORE syndrome**  
Anela Hoxhallari (Foggia, Italy), Pasquale Tondo, Donato Lacedonia, Piera Soccio, Giorgia Lepore, Carla Maria Irene Quarato, Pietro Magaletti, Maria Lisa Baccellieri, Annarita Depalo, Antonella Santoro, Maria Pia Foschino Barbaro, Giulia Scioscia

**PA866 Sleep Quality with EPAP Enhanced Novel Mandibular Advancement Device (EMAD) versus Continuous Positive Airway Pressure (CPAP) in Mild and Moderate Obstructive Sleep Apnea (OSA)**  
Sat Sharma (Toronto (ON), Canada), Antonella Conflitti, Hilary Reiter, Ivan Valcarengi, Smita Rajan

**PA867 A comparative study of one-night oxygen therapy for obstructive sleep apnea in patients with fibrotic interstitial lung disease**  
Teng Han (Beijing, China), Xiao Lei Zhang

**PA868 The effect of sulthiame on potential biomarkers in moderate to severe obstructive sleep apnea**  
Erik Hoff (Göteborg, Sweden), Saliha Musovic, Ali M Komai, Ding Zou, Christian Strassberger, Kaj Stenlöf, Ludger Grote, Jan Hedner

PA869	<b>Electrical Stimulation in Obstructive Sleep Apnoea: Treatment Effect on the Apnoea-Hypopnoea-Index in Randomised Controlled Trials</b> Deeban Ratneswaran (London, United Kingdom), Michael Cheng, Martino Pengo, Esther Schwarz, Georgios Kaltsakas, Yuanming Luo, Michael I Polkey, Gerrard Rafferty, John Moxham, Joerg Steier
PA870	<b>Effect of fluid balance control on obstructive sleep apnea in peritoneal dialysis patients with volume overload: A pre- and post-intervention study</b> Seelwan Sathitratanaheewin (Bangkok, Thailand), Piyaporn Towannang, Talerngsak Kanjanabuch, Nattapong Jaimcharyatam
PA871	<b>Enhancing Sleep Services in a District General Hospital (DGH) through the MDT/CAS Model: A Retrospective Evaluation</b> Anna Mowat (Stafford, United Kingdom), Syed Jawad Ahmad, Uchechukwu Agboje, Megan Beacham, Atul Gulati
PA872	<b>Home mechanical ventilation – an observational study from a tertiary referral centre</b> Lara Benning (Zurich, Switzerland), Michelle Mollet, Matteo Bradicich, Joël Julien Herzig, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz
PA873	<b>Acceptance of and adherence with long-term non-invasive positive airway pressure therapy in patients with COPD: a systematic review and meta-analysis</b> Cheryl Laratta (Edmonton, Canada), Linn Moore, Scott Kirkland, Nana Owusu Essel, Sandra Campbell, Rachel Jen, Joanna Maclean, Sachin Pendharkar, Brian Rowe
PA874	<b>Earlt-to-midlife body mass index trajectories and obstructive sleep apnoea</b> Yaoyao Qian (Carlton, Australia), Jennifer Perret, Garun Hamilton, Michael Abramson, Caroline Lodge, Gulshan Ali, Dinh Bui, Robert Adams, Bruce Thompson, Bircan Erbas, Eugene Walters, Chamara Senaratna, Shyamali Dharmage
PA875	<b>Early detection of obesity hypoventilation syndrome: prevalence and physiological differences within a cohort of obese patients</b> Elisa Perger (Milano, Italy), Andrea Faini, Debora Rosa, Luigi Taranto Montemurro, Paola Faverio, Fabrizio Luppi, Antonio Foresi, Simona Bertoli, Gianfranco Parati, Carolina Lombardi
PA876	<b>Factors associated with the diagnosis of hypoventilation syndrome among patients qualified for bariatric surgery.</b> Kamil Polok (Kraków, Poland), Justyna Tęczar, Natalia Celejewska-Wójcik, Piotr Major, Aleksander Kania
PA877	<b>Obesity and lung volumes, sleep disordered-breathing and respiratory failure – a cross-sectional observational study</b> Lara Benning (Zurich, Switzerland), Michelle Mollet, Joël Julien Herzig, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz
PA878	<b>Investigation of sleep quality and quality of life of patients with and without obesity-hypoventilation syndrome</b> Vasiliki Georgakopoulou (Athens, Greece), Athina Lazaridou, Athanasios Voulgaris, Kostas Archontogeorgis, Nikoleta Paxinou, Konstantina Chadia, Paschalis Steiropoulos

PS-9 Session 83 08:00 - 09:30

Poster session: Translational pharmacology in airway diseases

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

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

Tag(s) : Translational

Chairs : Lena Uller (Lund, Sweden), Guy Brusselle (Ghent, Belgium)

PA879	<b>Deep learning-based design of cell-targeting ligands enables targeted and functional siRNA delivery to lung cell subsets</b> Kyler Lugo (Berkeley, United States), Chad Miller, Thi Trinh, Chang-Wook Lee, Celina Huang, Hannah Chen, Wing Poon, Jim Martineau, Seth Myers
PA880	<b>Dupilumab antagonizes the stimulatory effects of IL-13 on mucin production by human bronchial epithelium cells.</b> Francine Medjiofack Djeujo (PADUA, Italy), Davide Malfacini, Marco Solimano Negrini, Giulia Natali, Silvia Pontis, Marcello Trevisani, Girolamo Calo'
PA881	<b>Application of 20 nanometer bacterial cellulose in the inhibition of airway inflammation in asthma</b> Qi Yu (Guangzhou, China)
PA882	<b>Small molecule modulation of allergen-induced asthma via human protease-activated receptor-2 (PAR2) in vivo</b> Scott Boitano (Tucson, United States), Samuel Gillman, Hillary Schiff, Riley Hellinger, Megan Cracchiolo, Truc Le, Rachell Batershel, William Pederson, Moeno Kume, Gregory Dussor, Theodore Price, Josef Vagner, Julie Ledford, Kathryn Defea



PA883	<b>Role of Polo-like kinase 1 in T2-low asthma model</b> Yilin Pan (Shanghai, China), Yishu Xue, Xia Fei, Xue Zhang, Lei Zhao, Lei Han, Hang Su, Wuping Bao, Yan Zhou, Yingyin Zhang, Guogang Xie, Deping Kong, Min Zhang
PA884	<b>Effects of inter-alpha-trypsin inhibitor heavy chain 4 on microbiome in OVA-induced asthma mouse</b> YI-HSUAN LIU (Taichuang, Taiwan), Hsiao-Chi Chuang
PA885	<b>The anti-IL-33 antibody, itepekimab, potently blocks airway inflammation post a single dose in mice</b> Seblewongel Asrat (Tarrytown, United States), Randi Foster, George Scott, Dylan Burchard, Li-Hong Ben, Jeanne Allinne, Andrew Murphy, Pamela Krueger, Matthew Sleeman, Jamie Orenge
PA886	<b>Quantitative analysis of airway epithelial nerve subtypes in refractory/unexplained chronic cough</b> James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Chadwick Smith, Becky Proskocil, Rachel Dockry, Bashar Al-Shekilly, Jenny King, Bethany Massey, Simon Stephan, Shannon Galgani, Kimberley Holt, Shilpi Sen, Jacky Smith, Paul Marsden, Matthew Drake
PA887	<b>Paclitaxel inhibits asthmatic airway remodeling by inhibiting airway smooth muscle hyperplasia in vitro and in vivo</b> lijun xiao (guilin, China), Bo Xiao, Dong Yao, Biwen Mo, Zhiheng Huang
PA888	<b>Inhibition of IL-4R<math>\alpha</math> in bronchial epithelial cells reduces CCL26 and TSLP without affecting antiviral immune responses</b> Jelena Pestic (Möln dal, Sweden), Juan José Nieto Fontarigo, Sofia Malm Tillgren, Pablo Miguéns Suárez, Samuel Cerps, Katerina Pardali, Stephen Delaney, Lena Uller
PA889	<b><math>\beta</math>2-agonists induce and augment rhinovirus-induction of pro-inflammatory mediators in bronchial epithelial cells.</b> Sebastian L. Johnston (London, United Kingdom), Eva Fiorenzo, Kartik Kumar, Tatiana Keadze, Francesca Losa, Patrick Mallia, Aran Singanayagam, Michael Edwards
PA890	<b>Chronic smoke exposure reduces epithelial IL-33 expression and barrier integrity in cell culture</b> Sophie Booth (Manchester, United Kingdom), Andrew Higham, Dave Singh
PA891	<b>Role of Sphingosine-1-phosphate pathway in Bisphenol A-induced inflammatory response in airway epithelial cells</b> Martina Simonelli (AVERSA, Italy), Elisabetta Granato, Ida Cerqua, Antonietta Rossi, Fiorentina Roviezzo
PA892	<b>Quinolinic Acid modulates pulmonary inflammatory response to influenza infection</b> Guillaume PAMART (Lille, France), Odile Poulain Godefroy, Philippe Gosset, Olivier Le Rouzic
PA893	<b>Animal models to assess potential post-inhalation irritant effects associated with inhaled drugs.</b> Daniela Miglietta (Parma (PR), Italy), Andrew Allen, Irene Bassanetti, Davide De Angelis, Maurizio Civelli, Gino Villetti
PA894	<b>Effects of melatonin in the airways of an Asthma-COPD overlap model</b> Marcela Sousa João (São Paulo, Brazil), Cristiane Cássia Ribeiro, Francine Maria Almeida, Fernanda Roberto, Leandro Nascimento Camargo, Silvia Fukuzaki, Renato Fraga Righetti, Iolanda Fátima Lopes Calvo Tibério, Edna Leick
PA895	<b>Induction of allergic airway inflammation amplifies mast cell response in guinea pig intralobular bronchi</b> Mikael Adner (Stockholm, Sweden), Mu Nie, Jielu Liu, Yujiao Xiang, Gunnar Nilsson, Jesper Säfholm
PA896	<b>TLR Agonists Induce Airway Functional Changes and Inflammation in Guinea Pigs.</b> Yujiao Xiang (Solna, Sweden), Jielu Liu, Mu Nie, Gunnar Nilsson, Jesper Säfholm, Mikael Adner
PA897	<b>Navitoclax inhibits senescence in human alveolar type 2 cells from COPD patients</b> Yiling Guo (London, United Kingdom), Peter Fenwick, Patrizia Viola, May Al-Sahaf, Peter J. Barnes, Louise E. Donnelly

C4

Session 84

08:30 - 10:00

## State of the art session: Respiratory infections

## Pulmonary aspergillosis

**Aims :** To describe the spectrum of pulmonary aspergillosis; to explain the microbiological diagnosis and interpretation of drug sensitivity test results of pulmonary aspergillus infections; to describe the antifungal therapeutic options and challenges for pulmonary aspergillus.

**Disease(s) :** Respiratory infections

**Method(s) :** General respiratory patient care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Paediatrician, Physician in Pulmonary Training

**Chairs :** Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)



08:30	<b>The spectrum of pulmonary aspergillosis</b> Eva Van Braeckel (Ghent, Belgium)	899
08:45	<b>Microbiological diagnosis of pulmonary aspergillosis</b> Paul Verveij (Nijmegen, Netherlands)	900
09:00	<b>Antifungal therapeutic options and challenges</b> Martin Hoenigl (Graz, Austria)	901
09:15	<b>Chronic pulmonary aspergillosis in people with post-tuberculosis lung disease or cystic fibrosis</b> Helmut Salzer (Linz, Austria)	902
09:30	<b>Discussion and Q&amp;A</b> All Speakers	903

## C2 Session 85 08:30 - 10:00

### Hot topics: Malignant pleural effusion diagnosis and management: practical solutions for optimal outcomes

**Aims :** To discuss the evidence base for accelerated pathways in suspected malignant pleural effusion, including direct to biopsy and criteria for more comprehensive sampling by thoracoscopy; best practice in inpatient pleurodesis, including agents, techniques, timing and detection of the non-expansile lung; the optimal use of indwelling pleural catheters, including drainage frequency, adjuvants and management of complications; and the pathophysiology of symptoms and fluid production and how these might be manipulated to improve outcomes.

**Disease(s) :** Respiratory critical care Thoracic oncology

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Thoracic oncologist

**Chairs :** Avinash Aujayeb (Newcastle, United Kingdom), Daniela Gompelmann (Vienna, Austria)

08:30	<b>Navigating the diagnostic pathway: how to achieve the right answer with the minimum delay</b> Najib M. Rahman (ABINGDON, United Kingdom)	904
08:45	<b>Optimal delivery of an inpatient malignant pleural effusion management pathway: how to get the most from pleurodesis</b> Elżbieta Magdalena Grabczak (Warszawa, Poland)	905
09:00	<b>Optimal delivery of an outpatient pathway: use of indwelling pleural catheters and combination strategies</b> Samira Shojaee (Nashville, United States)	906
09:15	<b>Beyond plumbing: pathophysiology of symptoms and fluid production and how these might be manipulated for better outcomes</b> Y C Gary Lee (Perth (WA), Australia)	907
09:30	<b>Discussion and Q&amp;A</b> All Speakers	908

## C5 Session 86 08:30 - 10:00

### Year in review: Clinical year in review

#### COPD and cardiovascular disease: latest insights in epidemiology, detection and intervention

**Aims :** To describe the impact of Cardiovascular diseases (CVDs) on the burden of disease and prognosis in patients with COPD, explain the cardiovascular risk associated with exacerbations of COPD, identify strategies for early diagnosis of CVDs in patients with COPD, and list innovative pharmacologic and non-pharmacologic interventions to reduce cardiovascular risk in patients with COPD.

**Disease(s) :** Airway diseases

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Scientist (basic, translational), Journalist

**Chairs :** Ioannis Vogiatzis (Blyth, United Kingdom), Rachel Ong-Salvador (Amsterdam, Netherlands)

08:30	<b>Impact of cardiovascular diseases on clinical control in patients with COPD</b> Fco.De Borja Garcia-Cosio Piqueras (Palma de Mallorca, Spain)	909
08:45	<b>Cardiovascular events post- COPD exacerbation</b> Sami O. Simons (Maastricht, Netherlands)	910
09:00	<b>Early detection of cardiovascular disease in patients with COPD</b> Bianca Beghè (Modena (MO), Italy)	911
09:15	<b>Mitigating the risk of cardiovascular disease in patients with COPD</b> Jennifer Quint (Wimbledon, United Kingdom)	912
09:30	<b>Discussion and Q&amp;A</b> All Speakers	913

## C1 Session 87 08:30 - 10:00

### Respiratory medicine meets other disciplines: Shaping the future of pulmonary hypertension European Society of Cardiology and European Respiratory Society session

**Aims :** To explain the central role of the pulmonary vascular endothelium in the development of lung diseases; to present novel insights from genomics and other omics: will this lead to precision medicine in the treatment of pulmonary hypertension?; to understand the potential role of adaptive trial design in rare diseases such as pulmonary hypertension; to discuss the potential role of interventional cardiology in the treatment of pulmonary hypertension.

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

**Method(s) :** Cell and molecular biology Imaging Physiology

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physiologist, Radiologist

**Chairs :** Mona Lichtblau (Zürich, Switzerland), George Giannakoulas (Thessaloniki, Greece), Marion Delcroix (Leuven, Belgium)

08:30	<b>The vascular origin of lung disease</b> Jurjan Aman (Amsterdam, Netherlands)	914
08:45	<b>Are we ready for precision medicine in pulmonary hypertension?</b> Athénaïs Boucly (London, United Kingdom)	915
09:00	<b>The future of trial design in pulmonary arterial hypertension</b> Marius M. Hoepfer (Hannover, Germany)	916
09:15	<b>Future interventional strategies to unload the right ventricle in pulmonary hypertension</b> Irene Lang (Wien, Austria)	917
09:30	<b>Discussion and Q&amp;A</b> All Speakers	918

## C6 Session 88 08:30 - 10:00

### Symposium: Post-prematurity lung disease: from birth to adulthood

**Aims :** To provide an update on the newest insights in post-prematurity lung disease; to discuss how perinatal management may help prevent lung disease and promote lung development in the preterm lung.

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

**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary function testing

**Tag(s) :** Clinical, Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Physician in Pulmonary Training, Scientist (basic, translational), Journalist

**Chairs :** Sophie Cohen (Amsterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France)

08:30	<b>Parent's perspective</b> Amber Bates (, Australia)	919
08:35	<b>Perinatal strategies to prevent lung disease and promote lung development in the preterm lung</b> Anna Lavizzari (Milano (MI), Italy)	920
08:50	<b>Is prematurity-related lung disease an inflammatory disease?</b> Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)	921

09:05	<b>Lifelong lung function trajectories in post-prematurity lung disease</b> Shannon Simpson (Perth (WA), Australia)	922
09:20	<b>Practical implications for management of prematurity-related chronic respiratory disease: from infancy to adulthood</b> Liesbeth Duijts (Rotterdam, Netherlands)	923
09:35	<b>Discussion and Q&amp;A</b> All Speakers	924

## A2 Session 89 08:30 - 10:00

### Symposium: Cell therapy in lung rejection, acute lung injury and beyond

**Aims :** To provide an overview of the challenges and possibilities of cell therapy for lung diseases with a specific focus on lung rejection and acute respiratory distress syndrome (ARDS); to identify and describe the possible mechanisms-of-actions of mesenchymal stromal cell (MSC)-based therapy; to highlight the need to understand the interaction between MSCs and the local host microenvironment and to discuss how this information can be useful when designing clinical trials; to highlight new discoveries that will likely impact the future of cell-based therapy in respiratory medicine; to encourage interaction between basic scientists and clinical researchers.

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

**Method(s) :** Cell and molecular biology Respiratory intensive care Transplantation

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Scientist (basic, translational), Thoracic surgeon, Respiratory therapist

**Chairs :** Rachel Chambers (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

08:30	<b>Promise and obstacles of mesenchymal stromal cell-based therapy for lung diseases</b> Sara Rolandsson Enes (Lund, Sweden)	925
08:45	<b>Interaction of mesenchymal stromal cells with the lung microenvironment: an overlooked aspect?</b> Sara Rolandsson Enes (Lund, Sweden)	926
09:00	<b>Mesenchymal stromal cell therapy for chronic lung allograft dysfunction: how far can we reach experimentally?</b> David Gomez De Antonio (Madrid, Spain)	927
09:15	<b>Mesenchymal stromal cell therapy for acute respiratory distress syndrome: results from the START trial</b> Kathleen Liu (San Francisco, United States)	928
09:30	<b>Discussion and Q&amp;A</b> All Speakers	929

## C3 Session 90 08:30 - 10:00

### Mini symposium: Use of radiology tools in healthcare pathways

**Aims :** To explain what photon counting is and how to use this technique in imaging of the lungs; to illustrate what an MRI examination means for a child and what the indications are for such an examination in children; to present benefits of ultrasound as a simple technique that can be performed at the bedside and the indications for ultrasound at the bedside in the emergency setting for the immediate diagnosis of acute respiratory failure.

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

**Method(s) :** Imaging

**Tag(s) :** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Radiologist, Scientist (basic, translational), Thoracic oncologist, Journalist

**Chairs :** Walter De Wever (Leuven, Belgium), Amanda Dandanell Juul (Odense S, Denmark), Frans H.C. De Jongh (Enschede, Netherlands)

08:30	<b>Photon-counting CT in lung imaging: new CT technology for better diagnosis with a lower radiation dose</b> Ádám Domonkos Tárnoki (Budapest, Hungary)	930
08:45	<b>Novel pulmonary MRI and artificial intelligence of neonatal lung disease</b> Pierluigi Ciet (Rotterdam, Netherlands)	931

**09:00** **Ultrasound of the lung in the emergency setting** 932  
Maija Radzina (Riga, Latvia)

**09:15** **Discussion and Q&A** 933  
All Speakers

**Studio** **Session 91** **09:00 - 09:15**

**News from the studio: News from the studio 1**

**Aims :** To introduce and summarise the congress programme for a day.

**Chairs :** Monika Gappa (Düsseldorf, Germany), Anita Simonds (London, United Kingdom)

**Studio** **Session 93** **09:20 - 10:05**

**Deep Dive: Man and machine: avoiding inequities**

**Aims :** To explore the potential of digital healthcare to improve or exacerbate inequities

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Chairs :** Monika Gappa (Düsseldorf, Germany), Anita Simonds (London, United Kingdom)

**09:20** **Digital transformations as new determinants of health** 935  
Ian Sinha (Liverpool (Merseyside), United Kingdom)

**09:40** **Panel discussion and Q&A** 936  
Guy F. Joos (Ghent, Belgium), Joan B Soriano (Madrid, Spain)

**A1** **Session 94** **09:30 - 10:45**

**Oral presentation: Best abstracts in respiratory physiotherapy**

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

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

**Tag(s) :** Clinical

**Chairs :** Martijn A. Spruit (Horn, Netherlands), Joana Cruz (Leiria, Portugal)

**OA937** **Late Breaking Abstract - An exercise program in primary care for patients after an AECOPD: a randomised controlled trial**  
Marieke Wuyts (Leuven, Belgium), Fien Hermans, Eva Arents, Astrid Blondeel, Sofie Breuls, Nina Cardinaels, Carole De Cock, Nikolaas De Maeyer, Stephanie Everaerts, Dimitri Stylemans, Filip Triest, Eric Derom, Wim Janssens, Thierry Troosters, Heleen Demeyer

**OA938** **Non-linear periodized resistance training in COPD: an international multicentre RCT**  
Erik Ingemar Frykholm (Umeå, Sweden), Peter Klijn, Jonas Vestman, Didier Saey, Hireonymus W.H Van Hees, Per Stål, Sarah Marklund, Mikael Martin, Thomas Sandström, Francois Maltais, Andre Nyberg

**OA939** **Improved 6-minute walk distance after Pulmonary Rehabilitation in primary care: a randomized, controlled, pragmatic trial in patients with long COVID (PuRe-COVID)**  
Tess Volckaerts (Edegem, Belgium), David Ruttens, Chris Burtin, Kevin Desoomer, Ellie Oostveen, Kirsten Quadflieg, Dries Cops, Marc Daenen, Maarten Criel, Iris Verhaegen, Ella Roelant, Dirk Vissers, Thérèse Lapperre

**OA940** **Inspiratory muscle training enhances recovery post-COVID-19: a randomized controlled trial**  
Cássia Goulart (São Carlos, Brazil), Gerson Cipriano Junior, Ana Clara G Sobral, Marcela Lopes Alves, Jean Carlos Coutinho, Nadia Oliveira Gomes, Maurício Milani, Ricardo Stein, Graziella França B. Cipriano, Vinícius Zacarias Maldaner Da Silva

**OA941** **Randomised controlled trial of home-based exercise and self-management following lung cancer surgery**  
Catherine Granger (Parkville (VIC), Australia), Lara Edbrooke, Phillip Antippa, Gavin Wright, Christine McDonald, Diana Zannino, Shaza Abo, Meinir Krishnasamy, Louis Irving, Karen Lamb, Georgina Whish-Wilson, Linda Denehy, Selina Parry

**OA942** **Home-based physical activity in ILD: an RCT**  
Cátia Paixão (Aveiro, Portugal), Ana Sofia Grave, Vânia Fernandes, Francisca Teixeira Lopes, M Aurora Mendes, Pedro Ramalho, Pedro Gonçalo Ferreira, Dina Brooks, Alda Marques

**OA943** **Acute effect of supramaximal high-intensity interval training on neurotrophic factors in people with COPD**  
Johan Jakobsson (Umeå, Sweden), Jana De Brandt, Mattias Hedlund, Anna-Clara Rullander, Thomas Sandström, Andre Nyberg

**OA944 Barriers on the assessment functioning and exercise prescription in patients with severe exacerbation of COPD: A multi-country survey**  
Renata Mendes (Sao Carlos (SP), Brazil), Naiara Leonardi, Joana Cruz, Débora Mayumi Kawakami, Audrey Borghi-Silva, Chris Burtin, Renata Gonçalves Mendes

**OA945 Maximal sniff nasal inspiratory pressure cut-offs for defining inspiratory muscle weakness**  
Ana Lista Paz (A Coruña, Spain), Rodrigo Torres-Castro, Daniel Langer, Sonia Souto Camba, Luz González Doniz, Margarita Barral-Fernández, M. Amalia Jácome Pumar, Alejandro Quintela Del Río, Elena Guimeno-Santos, Jordi Vilaró, Ane Arbillaga-Etxarri, Cristina Serrano Veguillas, Ana B. Varas De La Fuente, Concepción Martín Cortijo, Esther García Delgado, Pilar Bravo Cortés, Marina Francín Gallego, Beatriz Herrero-Cortina, Carolina González Montañez, José Luis Valera Felices, Yolanda Sanesteban Hermida, Esther Giménez Moolhuyzen, Rocío Martín-Valero, Jorge Alvarez Rivas, Antonio T. Ríos Cortés, Guilherme Fregonezi

**OA946 Discussion and Q&A**  
All Speakers

**A3 Session 95 09:30 - 10:45**

**Oral presentation: Sarcoidosis: novel insights in disease epidemiology, immunology and treatment**

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

**Method(s) :** Epidemiology General respiratory patient care Cell and molecular biology Imaging Pulmonary function testing

**Tag(s) :** Translational

**Chairs :** Marcel Veltkamp (De Meern, Netherlands), Natalia V. Rivera (Stockholm, Sweden)

**OA947 Late Breaking Abstract - Deciphering disagreement: sarcoidosis management and the role of FDG-PET/CT**  
Ryan Donnelly (Dublin, Ireland), Alessandro N. Franciosi, Sarah Forde, Michael Mcdermott, Michael P. Keane, Emmet E. Mcgrath, David J. Murphy, Cormac Mccarthy

**OA948 Effectiveness of methotrexate versus prednisone as first-line treatment for pulmonary sarcoidosis**  
Vivienne Kahlmann (Rotterdam, Netherlands), Marcel Veltkamp, Karen Moor, Montse Janssen Bonas, Remy Mostard, Rein Van Rijswijk, Jan Van Der Maten, Miranda Geelhoed, Linda Moonen, Marieke Overbeek, Bart Koopman, Marco Grootenboers, Esther Nossent, Michiel Wagenaar, Henk Kramer, Pascal Wielders, René Jonkers, Stefan Walen, Brigitte Bogaarts, René Kerstens, Mayka Overgaauw, Jan Grutters, Marlies Wijsenbeek

**OA949 BERYSARC: a multicentric control case study comparing chronic beryllium disease to pulmonary sarcoidosis**  
Cécile Rotenberg (Paris, France), Stéphane Tran Ba, Sylvain Marchand-Adam, Pascal Andujar, Bruno Crestani, Juliette Bravais, Michel Brauner, Pierre-Yves Brillet, Jacques Cadranet, Raphaël Borie, Vincent Cottin, Pierre Leguen, Bernard Maitre, Ana Nieves-Martinez, Hilario Nunes, Martine Reynaud-Gaubert, Mathieu Salaun, Dominique Valeyre, Florence Jeny

**OA950 Usual interstitial pneumonia (UIP) pattern in pulmonary sarcoidosis**  
Gioele Castelli (Padova, Italy), Arthihai Srirangan, Nishanth Sivarasan, Simon R. Bax, Richard J. Hewitt, Maria Kokosi, Peter M. George, Felix Chua, Philip L. Molyneaux, Richard Gisli Jenkins, Elisabetta A. Renzoni, Toby M. Maher, Paolo Spagnolo, Sujal Desai, Athol U. Wells, Vasileios Kouranos

**OA951 Late Breaking Abstract - Evaluation of the antifibrotic activity of bexotegrast, a dual  $\alpha V\beta 6/\alpha V\beta 1$  integrin inhibitor, in precision-cut lung slices prepared from non-IPF interstitial lung disease explants**  
Johanna Schaub (South San Francisco, United States), Martin Decaris, Steve Ho, Vikram Rao, Chris Her, Selorm Tamakloe, Paul Wolters, Scott Turner, Johanna Schaub

**OA952 Deciphering the genetic tapestry: Insights into sarcoidosis across diverse populations with the MESARGEN Consortium**  
Natalia V. Rivera (Stockholm, Sweden), Olga D. Chuquimia, Nathan Pezant, Martin Kerick, Akira Meguro, Coline Van Moorsel, Effrosyni D. Manali, Martin Petrek, Hélder Novais Bastos, Agostinho Carvalho, Arata Azuma, Mami Ishihara, Masaki Takeuchi, Nobuhisa Mizuki, Annette Van Der Vis, Annelies Wind, Maria Gazouli, Elias Gialafos, George Spyropoulos, Kalliopi Domvri, Despoina Papakosta, Pernilla Darlington, Johan Grunewald, Vitezslav Kolek, Zdenka Navratilova, Petr Jakubec, Katerina Sikorova, Martina Doubkova, Cristina Cunha, Rita Santos, António Morais, Spyros A. Papiris, Marcel Veltkamp, Jan Grutters, Javier Martin, Juan Mañá, Adriana Iriarte, Courtney Montgomery, Susanna Kullberg, Leonid Padyukov, - Mesargen Consortium

**OA953 Dissecting the immune cell niche in pulmonary sarcoidosis – CXCL10+ monocyte-derived macrophages are potential drivers of TH17.1 inflammation**  
Jannik Ruwisch (Hannover, Germany), Jonas C. Schupp, Brigita Bartkute, Natalia Artysh, Naftali Kaminski, Antje Prasse

**OA954 Sarcoidosis in the United Kingdom: Findings from the first decade of the UK ILD Registry**  
Andrew Achaiah (Oxford, United Kingdom), Ling-Pei Ho, Maria Loughenbury, Leo Casimo, Sarah Agnew, Howard Almond, Nazia Chaudhuri, Ahmed Fahim, Sophie V Fletcher, Sarah Haney, Clare Hodgkinson, Paul Minnis, Evelyn Palmer, Iain Stewart, Andrew Wilson



- OA955** **RESOLVE-LUNG, a multinational, randomized, placebo-controlled Phase II trial of namilumab, an anti-GMCSF monoclonal antibody, in chronic pulmonary sarcoidosis: trial design and patient characteristics**  
Bernt van den Blink (Poortugaal, Netherlands), Chantal Petit, Hayes M. Dansky, Min Lin, Nesrin Mogulkoc, Rohit Gupta, Sibel Atis Nayci, Julien Guiot, James Galloway, Robert P. Baughman, Theodore F. Reiss
- OA956** **A population-based matched cohort study of sarcoidosis incidence, prevalence, and all-cause mortality. The HUNT study**  
Astrid Gjervold Lunde (Harstad, Norway), Anne Hildur Henriksen, Hanne Sorger, Arnulf Langhammer, Solfrid Romundstad
- OA957** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 96

09:30 - 10:45

## Oral presentation: Innovative technology in non-invasive respiratory support: optimisation and monitoring

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

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

Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical

Chairs : Rebecca D'Cruz (London, United Kingdom), Marieke L. Duiverman (Groningen, Netherlands)

- OA958** **Late Breaking Abstract - Outpatient follow-up of COPD patients receiving long-term non-invasive ventilation (OCONIV-Trial): A randomized controlled trial**  
Sarah Bettina Stanzel (Köln, Germany), Stephan Waltersbacher, Doreen Kroppen, Maximilian Wollsching-Strobel, Daniel Sebastian Majorski, Dominic Harzheim, Franziska Keller, Maximilian Zimmermann, Regina Sharon Kampo, Tim Mathes, Wolfram Windisch
- OA959** **Modelling of Dead Space Clearance and Rebreathing During Asymmetrical Nasal High Flow**  
Natalia Kabaliuk (Christchurch, New Zealand), Zane Goggin, Stanislav Tatkov
- OA960** **Nasal High-Flow (NHF) Improves Ventilation in Patients with Interstitial Lung Disease (ILD)-A Physiological Study**  
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz
- OA961** **Laryngeal observations during non-invasive ventilation titration in chronic obstructive pulmonary disease**  
Anne Kristine Brekka (Nedenes, Norway), Solfrid Indrekvam, Petrine Veierød Solli, Merete Salveson Engeset, Ola Drange Røksund, Sverre Lehmann, Hege Clemm, Thomas Halvorsen, Patrick Murphy, Maria Vollsæter, Tiina Andersen
- OA962** **Observed laryngeal responses during non-invasive ventilation in healthy volunteers**  
Anne Kristine Brekka (Nedenes, Norway), George Ntoumenopoulos, Ola Drange Røksund, Merete Salveson Engeset, Hege Clemm, Thomas Halvorsen, Maria Vollsæter, Tiina Andersen
- OA963** **Optimising insufflation parameters of mechanical insufflation-exsufflation to augment cough in patients with Duchenne muscular dystrophy (DMD).**  
Neeraj Shah (London, United Kingdom), Chloe Apps, Sophie Madden-Scott, Bawan Abdulaziz, Rebecca D'Cruz, Eui-Sik Suh, Nicholas Hart, Georgios Kaltsakas, Patrick Murphy
- OA964** **Utility of Diaphragmatic Ultrasound and Diaphragmatic Electromyogram in Amyotrophic Lateral Sclerosis**  
Mikel Sarasate Azkona (Barcelona, Spain), Ana Cordoba Izquierdo, Enric Prats Soro, Edelweis Anton Albiñana, Lluís Mateu Gomez, Luciana Baglivo Duarte, Alejandro Caravaca Puchades, Raul Dominguez Rubio, Monica Povedano Panades, Eva Farrero Muñoz
- OA965** **Sleeping on Clouds; a comparison of the impact of polysomnography versus remote determination on non-invasive ventilation device settings**  
Anna Ridgers (Heidelberg, Australia), Warren Ruehland, Liam Hannan, Kayla Bruzzese, Linda Rautela, Ashwin Rajan, David Berlowitz, Mark Howard
- OA966** **Patient-ventilator asynchrony unraveled: optimization of data acquisition and analysis**  
Farnaz Soleimani (Enschede, Netherlands), Dirk Donker, Eline Oppersma, Marieke Duiverman
- OA967** **Impact of home NIV on severe exacerbations and survival in COPD: a French nationwide cohort study using multistate models**  
Jean-Louis Pépin (Grenoble, France), Eleonore Herquelot, Hélène Denis, Anne Josseran, Florent Lavergne, Adam Benjafield, Atul Malhotra, Janna Raphelson, Peter Cistulli, Aurelie Schmidt, Sebastien Bailly, Alain Palot, Arnaud Prigent
- OA968** **Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 97

09:30 - 10:45

## Oral presentation: Lifetime impact of environmental and occupational exposures on respiratory health

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Chairs : Sara De Matteis (Milan, Italy), Orienne Dumas (Villejuif, France)

- OA969 Late Breaking Abstract - Associations of residential green space with incident asthma and the role of air pollution: Evidence from UK Biobank and Chinese C-BIOPRED study**  
Ming kai Huang (Guangzhou, China), Junjie Wen, Xuliang Cai, Changxing Ou, QingLing Zhang
- 
- OA970 Improved air quality and asthma incidence from school-age to young adulthood: a population-based prospective cohort study**  
Zhebin Yu (solna, Sweden), Simon Kebede Merid, Tom Bellander, Anna Bergström, Kristina Eneroth, Anne-Sophie Merritt, Maria Ödling, Inger Kull, Petter Ljungman, Susanna Klevebro, Massimo Stafoggia, Christer Janson, Gang Wang, Göran Pershagen, Erik Melén, Olena Gruzieva
- 
- OA971 Air pollution, genetic susceptibility and risk of progression from asthma to COPD**  
Yutong Cai (London, United Kingdom), Jing Huang, Jianbo Jin, Teng Yang, Guoxing Li
- 
- OA972 Long-Term Exposure to Air Pollution and Lower Respiratory Infection in Adults: Evidence From Over 16-Years of Follow-Up for Danish National Cohort**  
Jiawei ZHANG (Copenhagen, Denmark), Youn Hee Lim, Rina So, Zhebin Yu, Steffen Loft, Stéphane Tuffier, Marie Bergmann, Thomas Cole Hunter, Laust Hvas Mortensen, Erik Melén, Zorana Jovanovic Andersen
- 
- OA973 Passive exposure to disinfectants and cleaning products in daycare settings and child wheeze in the French CRESPI cohort**  
Franziska Bright (Paris, France), Emilie Pacheco Da Silva, Flore Amat, Pierre Bonnet, Anastasie Eworo Nchama, Etienne Sévin, Valérie Siroux, Corinne Mandin, Nicole Le Moual, Orienne Dumas
- 
- OA974 Working-life exposome and new-onset COPD: An exposome-wide association study (ExWAS)**  
Theresa Moeller Kynde (Aarhus V, Denmark), Wenxin Wan, Judith Garcia, Victoria Alcaraz, Isabelines Urrutia, Jesus Martinez-Moratalla, Leopoldo Palacios Gomez, Alif Sheikh, Caroline Lodge, Geza Benke, Hayat Bentouhami, Lidia Casas Ruiz, Theodore Lytras, Bénédicte Leynaert, Pascal Demoly, Chantal Raheerison, Valerie Siroux, Marcel Goldberg, Orienne Dumas, Rachel Nadif, Nicole Lemoual, Torarin Gislason, Jorunn Kierkeleit, Cecilie Svanes, Christer Janson, Mathias Holm, Lars Modig, Hans Kromhout, Anjoeka Pronk, Lützen Portengen, Susan Peters, Jan-Paul Zock, Debbie Jarvis, Anne Mette Lund Würtz, Henrik Albert Kolstad, Vivi Schlünssen
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- OA975 Occupational exposome and lung function changes: a pooled analysis of two European longitudinal cohorts**  
Wenxin Wan (Utrecht, Netherlands), Theresa Møller Kynde, Lützen Portengen, Judith Garcia Aymerich, Victoria Alcaraz, Bénédicte Leynaert, Pascal Demoly, Valerie Siroux, Alif Sheikh, Caroline Lodge, Thorarinn Gislason, Christer Janson, Mathias Holm, Hayat Bentouhami, Lidia Casas Ruiz, Debbie Jarvis, Geza Benke, Theodore Lytras, Anne Mette Lund Würtz, Henrik Albert Kolstad, Marcel Goldberg, Orienne Dumas, Rachel Nadif, Isabelines Urrutia Landa, Jesús Martínez-Moratalla Rovira, Jenny Selander, Leopoldo Palacios Gómez, Ioannis Basinas, Maria Albin, Lars Modig, Jan-Paul Zock, Nicole Le Moual, Jorunn Kierkeleit, Cecilie Svanes, Susan Peters, Hans Kromhout, Roel Vermeulen, Vivi Schlünssen, Anjoeka Pronk
- 
- OA976 Occupational particulate exposure and lung function in middle age**  
Dona Wijayasinghe (Hobart, Australia), Yong Song, Karen Patterson, Adrian Lowe, Haydn Walters, Caroline Lodge, Jennifer Perret, Richard Wood-Baker, Michael Abramson, Shyamali Dharmage, Graeme Zosky, Sheikh Alif
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- OA977 Occupational exposure to metal dust, wood dust and exhaust fume in Idiopathic Pulmonary Fibrosis (IPF)**  
Christopher C. Huntley (Bromsgrove, United Kingdom), Emily Rawle, Ioannis Basinas, Vivi Schlünssen, Michael N Armitage, Pathrabali Mitra, Maximillian Thomas, P Sherwood Burge, Gareth I Walters, Alice M Turner, Ruth Wiggans
- 
- OA978 Differential association between educational levels and machine learning-derived asthma phenotypes in adults**  
Muwada Bashir (VÄSTRA FRÖLUNDA, Sweden), Rani Basna, Göran Wennergren, Madeleine Rådinger, Helena Backman, Emma Goksör, Jan Lötvall, Linda Ekerljung, Hannu Kankaanranta, Bright.I Nwaru
- 
- OA979 Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 98

09:30 - 10:45

## Oral presentation: Strawberry fields forever: lung transplant outcomes

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

**Method(s) :** Surgery Transplantation Imaging Cell and molecular biology Endoscopy and interventional pulmonology Pulmonary function testing General respiratory patient care

**Tag(s) :** Translational

**Chairs :** Michael Perch (Copenhagen, Denmark), Saskia Bos (Newcastle upon Tyne, United Kingdom)

<b>OA980</b>	<b>Late Breaking Abstract - Multicenter study of bronchial wash-bile acid signature for the diagnosis of aspiration and prediction of chronic lung allograft dysfunction</b> chiara camillo (New York City, United States), Rayoun Ramendra, Miguel Leiva-Juarez, Elena Floris, Renu Nandakumar, Serge Cremers, Ella Hustzi, Andrew Sage, Jan Havlin, Luke Benvenuto, Selim Arcasoy, Shaf Keshavjee, Tereza Martinu, Frank D'Ovidio
<b>OA981</b>	<b>The influence of HLA matching on graft survival in lung transplant recipients is indication specific</b> Afolarin Otunla (London, United Kingdom), Kumaran Shanmugarajah, Sarah Nabulsi, Justin Saliccioli, Ghazel Mukhtar, Daniel Dolan2, Dominic Marshall, Maria Madariaga, Joseph Shalhoub
<b>OA982</b>	<b>Impact of thoracic muscle volume on survival after lung transplantation</b> Dirk Westhölter (Essen, Germany), Johannes Haubold, Johannes Wienker, Björn Kleibrink, Markus Kamler, Christian Taube, Felix Nensa, Rene Hosch, Marcel Opitz
<b>OA983</b>	<b>Transplant outcomes for pulmonary arterial hypertension</b> Baharan Zarrabian (Rochester, United States), Kelly Pennington, Hilary Dubrock, Hector Cajigas, Sahar Saddoughi
<b>OA984</b>	<b>Abnormal CD4/CD8 Ratio prior to Lung Transplantation is Linked to Decreased CLAD-free Survival</b> Miray Guney (Prague, Czech Republic), Goncalo Ferrao, David Rezac, Tereza Kotowski, Alzbeta Dutkova, Dmitry Rakita, Jan Havlin, Robert Lischke, Libor Fila, Andrea Zajacova
<b>OA985</b>	<b>Single-nuclei RNA-seq reveals aberrant cell populations in restrictive allograft syndrome after lung transplantation</b> Lena Maureen Leiber (Hannover, Germany), Leonard Christian, Lavinia Neubert, Hande Yilmaz, Jan-Christopher Kamp, Edith Katharina Plucinski, Tobias Welte, Christine Falk, Naftali Kaminski, Danny Jonigk*, Jens Gottlieb*, Jonas Christian Schupp*
<b>OA986</b>	<b>Transbronchial forceps- and cryobiopsy for detecting acute cellular rejection in lung transplant recipients: A randomised trial</b> Thomas Gaisl (Zürich, Switzerland), Carolin Steinack, Maurice Roeder, Silvan Vesenbeckh, Jan Rüschoff, Miriam Nowack, Rene Hage, Martina Haberecker, Silvia Ulrich, Malcolm Kohler, Mace Schuurmans, Daniel Franzen
<b>OA987</b>	<b>Immuno-guided prevention of Cytomegalovirus (CMV) in CMV-seropositive lung transplant recipients</b> Estefania Mira Padilla (Córdoba, Spain), Jose Manuel Vaquero Barrios, Aurora Páez Vega, Elisa Ruiz Arabi, Raquel Fernández Moreno, David Iturbe Fernández, Rodrigo Alonso Moralejo, Piedad Usetti Gil, Amparo Pastor Colom, Victor Monforte Torres, Sara Cantisan, Julian Torre Cisneros
<b>OA988</b>	<b>Advanced donor age does not impact graft survival in a large single centre lung transplant cohort</b> Andrei Darie (Melbourne, Australia), Bronwyn Levvey, Helen Shingles, Miranda Paraskeva, Kovi Levin, Glen Westall, Gregory Snell
<b>OA989</b>	<b>Machine learning of spirometry may predict CLAD onset after lung transplantation</b> Pieterjan Kerkhof (Leuven, Belgium), Kenneth Verstraete, Hanne Beeckmans, Laurens De Sadeleer, John McDonough, Bart Vanaudenaerde, Robin Vos
<b>OA990</b>	<b>Discussion and Q&amp;A</b> All Speakers

C4

Session 101

10:15 - 11:45

### Clinical cases: Lungs on fire: respiratory infections?

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s) :** Respiratory infections Respiratory critical care

**Tag(s) :** Clinical

**Chairs :** Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

**Discussants :** Onno Akkerman (Groningen, Netherlands), Eva Polverino (Barcelona, Spain)

10:15	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: S. Subramanian (India)</b> Eva Polverino (Barcelona, Spain)	993
10:37	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: M. Kieft (Netherlands)</b> Onno Akkerman (Groningen, Netherlands)	994
10:59	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: S. M. Hettiarachchi (Sri Lanka)</b> Eva Polverino (Barcelona, Spain)	995
11:21	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: T. Sinha (India)</b> Onno Akkerman (Groningen, Netherlands)	996

## C2 Session 102 10:15 - 11:45

### Clinical trials session: ALERT 1: Enhancing respiratory care with technology and improving effectiveness of smoking cessation programmes

**Aims :** The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.

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

**Method(s) :** General respiratory patient care Public health Endoscopy and interventional pulmonology

**Tag(s) :** Clinical, Congress theme: Humans and Machines: getting the balance right

**Chairs :** Avinash Aujayeb (Newcastle, United Kingdom), Daniela Gompelmann (Vienna, Austria)

**Discussants :** Armin Frille (Leipzig, Germany), Stylianos Loukides (Athens, Greece)

**RCT997** **RCT Abstract - Effect of Personalized Informed Consent with Individual Data-based Bronchoscopy Simulator on Peri-procedure Anxiety**  
Weidong Xu (Beijing, China), Gang Hou, Mingming Deng

**RCT998** **RCT Abstract - A Novel Artificial Intelligence Feedback System Boosts Novice Bronchoscopy Performance based Chest-CT Simulated Tracheal Models: A Randomized Controlled Trial**  
Gang Hou (Beijing, China), Weidong Xu, Mingming Deng

**RCT999** **Late Breaking Abstract - SPIROMetry interpretation in primary care with or without Artificial Intelligence Decision support software (SPIRO-AID)**  
William Man (Harefield, United Kingdom), Gillian Doe, Ethaar El-Emir, George Edwards, Marko Topalovic, Rachael A Evans, Richard Russell, Karl P Sylvester, Karolien Van Orshoven, Elena Smets, Anthony P Sunjaya, David A Scott, A Toby Prevost, Stephanie Jc Taylor, Nick S Hopkinson, Samantha S Kon, Ian Jarrold, Nannette Spain, Winston Banya

**RCT1000** **Wrap-up by discussant and discussion**  
Stylianos Loukides (Athens, Greece)

**RCT1002** **Immediate evidence-based support: Key to quitting smoking in chronic airway disease – A multicenter randomized study**  
Dilek Karadoğan (Rize, Turkey), Tahsin Gökhan Telatar, I?lknur Kaya, Siahmet Atli, Neslihan Köse Kabil, Feride Marim, Merve Yumrukuz Senel, Aycan Yüksel, Burcu Yalçın, Ökkes Gültekin, Merve Erçelik, Metin Akgün

**RCT1003** **Wrap-up by discussant and discussion**  
Armin Frille (Leipzig, Germany)

**RCT1004** **Closing remarks**  
All Speakers

## C5 Session 103 10:15 - 11:45

### Hot topics: Race and ethnicity in pulmonary function testing

**Aims :** To address the issue regarding the use of race-specific equations in pulmonary function testing and its relevance in the present multiracial generation we are living in; to provide a comprehensive overview of the impact of ethnic or racial misclassification when interpreting pulmonary function test results, and the consequence of this misinterpretation, both for the adult and paediatric population; to provide new insights on how the issue of race or ethnic classification can be addressed; to explore other possibilities for defining normal pulmonary function test results.

**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** General respiratory patient care Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs :** Ioannis Vogiatzis (Blyth, United Kingdom), Rachel Ong-Salvador (Amsterdam, Netherlands)

10:15	<b>The purpose of ethnic or racial classification in pulmonary function testing</b> Julie Lloyd (Birmingham (West Midlands), United Kingdom)	1005
10:30	<b>Pulmonary function testing: race-specific vs race-neutral vs no reference equations</b> Nirav Bhakta (San Francisco, United States)	1006
10:45	<b>Race and ethnic classification in paediatric pulmonary function testing</b> Sanja Stanojevic (Halifax (NS), Canada)	1007
11:00	<b>The future of reference equations: thinking outside the box</b> Bruce Thompson (Parkville, Australia)	1008
11:15	<b>Discussion and Q&amp;A</b> All Speakers	1009

**C1** Session 104 10:15 - 11:45**Symposium: New therapeutic approaches in the management of pulmonary embolism, including high risk pulmonary embolism****Aims :** To illustrate the new approaches being developed to evaluate therapeutic candidates for pulmonary vascular disease, particularly pulmonary embolism (PE), which may be biological (e.g. with the emergence of biotherapies in the field of PE) or the development of European collaborative platforms (such as the development of multidimensional tools to predict the risk of recurrence after the first episode of PE); to focus on the treatment of patients with PE at high risk of mortality; to discuss available evidence in rare situations.**Disease(s) :** Pulmonary vascular diseases Respiratory critical care**Method(s) :** General respiratory patient care Respiratory intensive care**Tag(s) :** Clinical, Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Radiologist, Thoracic surgeon**Chairs :** Mona Lichtblau (Zürich, Switzerland), George Giannakoulas (Thessaloniki, Greece), Marion Delcroix (Leuven, Belgium)

10:15	<b>Targeting factor XI: is it really a new generation of anticoagulants?</b> Laurent Bertoletti (Saint Etienne Cedex, France)	1010
10:30	<b>Development of a multicompartmental approach to protect against recurrence of pulmonary embolism</b> Francis Couturaud (Brest, France)	1011
10:45	<b>Systemic fibrinolysis: how many patients benefit from this treatment?</b> Irene Lang (Wien, Austria)	1012
11:00	<b>Catheter-directed therapies and ECMO: what is their place in the management of patients with acute pulmonary embolism?</b> Stavros Konstantinides (Mainz, Germany)	1013
11:15	<b>Discussion and Q&amp;A</b> All Speakers	1014

**C6** Session 105 10:15 - 11:45**Symposium: Non-infectious pulmonary complications of childhood cancers: from theory to practice****Aims :** To identify vulnerable paediatric cancers prone to lung complications and to list treatment-related risks during and after childhood cancer; to explain the fundamental concepts underlying stem cell transplantation and to outline the risk factors and various classifications of graft-versus-host disease affecting the lungs; to differentiate between interstitial and airway-related lung complications in childhood cancer based on clinical symptoms and diagnostics (including lung function and computed tomography imaging); to outline the extent of lung complications in childhood cancer survivors throughout their lifetime; to discuss a recently published international guideline concerning screening for lung complications in childhood cancer survivors; to emphasise the importance of concentrated care and global cooperation for advancing the field of paediatric pulmo-oncology, which continues to face substantial mortality and morbidity challenges.



**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** General respiratory patient care Imaging Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Radiologist, Thoracic oncologist**Chairs :** Sophie Cohen (Amsterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France)

10:15	<b>Non-infectious pulmonary complications: a comprehensive overview</b> Samuel Goldfarb (Minneapolis, United States)	1015
10:30	<b>Non-infectious chronic pulmonary complications of stem cell transplantation: monitoring, diagnosis and treatment options</b> Hilde Hylland Uhlving (København, Denmark)	1016
10:45	<b>Implementing an internationally harmonised guideline: essential pulmonary follow-up for paediatric cancer survivors after pulmonary toxic treatments</b> Maria Otth (St Gallen, Switzerland)	1017
11:00	<b>Delving into radiation pneumonitis: discussion through a paediatric case study description</b> Sabine M.P.J. Prevaes (Utrecht, Netherlands)	1018
11:15	<b>Discussion and Q&amp;A</b> All Speakers	1019

**A2** Session 106 10:15 - 11:45**Symposium: The metabolic niche in pulmonary fibrosis**  
**Immunometabolism: from macrophages to fibroblasts and back again****Aims :** To provide an overview of cellular energy metabolism from glucose to glycogen, amino acids, mitochondria and the tricarboxylic acid cycle; to explain how nutrient regulation is closely linked to cellular behaviour; to discuss how cellular metabolism is rewired and tailored for cellular effector function, highlighting how immune cells like macrophages, structural cells like fibroblasts and epithelial cells like alveolar type II cells utilise and rely on different metabolic pathways for survival and function with a particular emphasis on pro-inflammatory activity and damage/repair responses of structural cells; to discuss how metabolic reprogramming occurs in lung fibrosis and is tightly linked to pathological mechanisms of the disease process; to discuss clinical implications and opportunities for therapy.**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology Physiology**Tag(s) :** Basic science, Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Pathologist, Scientist (basic, translational)**Chairs :** Rachel Chambers (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

10:15	<b>Defining the role of lung macrophage metabolism during lung fibrosis</b> Patricia Ogger (Planegg, Germany)	1020
10:30	<b>Dysfunctional alveolar type II cell metabolism drives fibrosis</b> Ana Mora (Ohio, United States)	1021
10:45	<b>Fibrometabolism: an emerging therapeutic frontier in pulmonary fibrosis</b> Brintha Selvarajah (London, United Kingdom)	1022
11:00	<b>Spatial metabolomics reveals glycogen is an actionable target for pulmonary fibrosis</b> Christopher Waters (Lexington, United States)	1023
11:15	<b>Discussion and Q&amp;A</b> All Speakers	1024

**C3** Session 107 10:15 - 11:45**Clinical cases: Clinical challenges beyond guidelines****Aims :** To describe the controversial aspects of the current guidelines for rehabilitation models, use of as-needed inhaled corticosteroids/formoterol in mild asthma, lung cancer screening and systemic sclerosis-associated interstitial lung disease; to discuss data underpinning nonadherence and alternative approaches to current recommendations; to propose evidence-based substitute management recommendations for clinicians; to identify areas of concern; to highlight the need for further research; to explain the limitations of the guidelines in order to put them in some prospective and clinical practice.**Disease(s) :** Airway diseases Respiratory infections Interstitial lung diseases Thoracic oncology**Tag(s) :** Clinical

**Chairs :** Walter De Wever (Leuven, Belgium), Amanda Dandanell Juul (Odense S, Denmark), Frans H.C. De Jongh (Enschede, Netherlands)

10:15	<b>Traditional centre-based rehabilitation versus alternative models: two guidelines, two interpretations?, incl. Q&amp;A</b> Heleen Demeyer (Leuven, Belgium)	1025
10:37	<b>Use of as-needed inhaled corticosteroids/formoterol in mild asthma, incl. Q&amp;A</b> Anneke ten Brinke (Leeuwarden, Netherlands)	1026
10:59	<b>Positive findings in lung cancer screening, incl. Q&amp;A</b> Wouter H. van Geffen (Leeuwarden, Netherlands)	1027
11:21	<b>Treatment of systemic sclerosis-associated interstitial lung disease, incl. Q&amp;A</b> Antoine Froidure (Bruxelles, Belgium)	1028

## Studio Session 110 10:30 - 11:15

### Pro-Con debate: Should connective tissue-related interstitial lung diseases be treated at the earliest opportunity?

**Aims :** To highlight some of the emerging themes and controversies regarding the early treatment of interstitial lung diseases; to discuss the common clinical dilemmas and misconceptions that occur in clinical practise regarding the influence of age and comorbidities on the decision to start anti-inflammatory or antifibrotic treatment; to explore the role of risk stratification and early treatment in connective tissue diseases.

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

**Tag(s) :** Clinical

**Chairs :** Michael Kreuter (Mainz, Germany), Nazia Chaudhuri (Limavady, United Kingdom)

10:30	<b>Pro: I would start therapy in an asymptomatic patient with mild systemic sclerosis-associated ILD</b> Vanessa Smith (Ghent, Belgium)	1033
10:45	<b>Con: I would not start therapy in an asymptomatic patient with mild systemic sclerosis-associated ILD</b> Paolo Spagnolo (Padova (PD), Italy)	1034
11:00	<b>Discussion and Q&amp;A</b> All Speakers	1035

## Stolz 1 Session 112 10:40 - 13:00

### Skills workshop: SW2 SW2 - Diagnostic techniques for sleep breathing disorders - € Additional registration is required for this session.

**Aims :** This session aims to give an interactive demonstration and hands-on-training on different techniques and tools that are essential for the diagnosis of sleep breathing disorders. The workstations include practical training on choosing the right type of sleep studies in clinical practice, interpretation of polysomnography and polygraphy signals in adults and children and evaluation of daytime sleepiness.

**Disease(s) :** [Paediatric respiratory diseases](#) [Sleep and breathing disorders](#)

**Chairs :** Esther Irene Schwarz (Zürich, Switzerland), Matteo Bradicich (Zurich, Switzerland)

10:40	<b>Introduction</b> All Speakers	1037
10:50	<b>Different levels of sleep studies</b> Ludger Grote (Göteborg, Sweden)	1038
10:50	<b>Interpretation of polysomnography/polygraphy in adults</b> Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)	1039
10:50	<b>Interpretation of polysomnography/polygraphy in children</b> Athanasios G. Kaditis (Athens, Greece)	1040
10:50	<b>Evaluation of daytime sleepiness</b> Carolina Lombardi (Milano (MI), Italy)	1041

## Stolz 2 Session 113 10:40 - 13:00

### Skills workshop: SW19 SW19 - Cardiac Ultrasound in the management of respiratory failure - € Additional registration is required for this session.

**Aims :** 1. Develop a rigorous and systematic approach in performing and analysing cardiac ultrasound parameters in respiratory disease. 2) Explain systolic function, diastolic function, right heart dysfunction during COPD patients, management of pulmonary embolism. 3) Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation. 4) Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non invasive ventilation

**Disease(s) :** Pulmonary vascular diseases Respiratory critical care

**Method(s) :** Imaging Physiology

**Target audience :** Adult pulmonologist/Clinician, Respiratory critical care physician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist

**Chairs :** Paul M. Hassoun (Baltimore, United States)

10:40	<b>Introduction</b> All Speakers	1042
10:50	<b>Assessment of diastolic function in COPD patients</b> Valentina Mercurio (Napoli, Italy)	1043
10:50	<b>Cardiac ultrasound assessment of right heart function</b> Paul M. Hassoun (Baltimore, United States)	1044
10:50	<b>Cardiac ultrasound for the management of pulmonary embolism</b> Mario Gerges (Vienna, Austria)	1045
10:50	<b>Hemodynamic consequences of non-invasive ventilation</b> Bouchra Lamia (Le Havre, France)	1046

## A1 Session 114 11:00 - 12:15

**Oral presentation: Man and machine: getting the balance right from innovation to implementation**

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

**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Pulmonary rehabilitation Pulmonary function testing Physiology Public health Epidemiology

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right, Translational

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), David Drummond (Paris, France)

OA1054	<b>Impact of digital health on the patient-provider relationship in respiratory secondary care settings: a mixed methods systematic review from IHI DRAGON/CONNECT CRC</b> David Drummond (Paris, France), Michaela Senek, Hilary Pinnock, Kjeld Hansen, Anshu Ankolekar, Una O'Connor, Katherina Sreter, Oleksandr Mazulov, Christina Thornton, Pippa Powell
OA1048	<b>Innovating care for people with sarcoidosis using a machine learning-data driven approach</b> Vivienne Kahlmann (Rotterdam, Netherlands), Astrid Dunweg, Heleen Kicken, Nick Jelacic, Joke Hendriks, Richard Goossens, Marlies Wijisenbeek, Jiwon Jung
OA1049	<b>Artificial intelligence improves bronchoscopy performance – a randomized cross-over trial.</b> Kristoffer Mazanti Cold (Copenhagen, Denmark), Kaladerhan Agbontaen, Anne Orholm Nielsen, Christian Skjoldvang Andersen, Suveer Singh, Lars Konge
OA1050	<b>Sustained engagement with long-term home telemonitoring (HTM) by patients with COPD</b> Emma Raywood (London, United Kingdom), Keir Lewis, Joe Annandale, Megan Robshaw, Helen Parrott
OA1051	<b>Late Breaking Abstract - Late Breaking Abstract - Supervised Learning with Human Feedback for Enhanced Clinical Decision-Making in Breath-Based VOC Analysis</b> Kordel France (Dallas, United States), Anirban Paul, Muhanned Abu-Hijleh, Ivneet Kaur Banga, Sven Jungmann, Shalini Prasad
OA1052	<b>E-health and smoking cessation: an umbrella review</b> Maria Sofia Cattaruzza (Roma (RM), Italy), Martina Antinozzi, Maria Assunta Donato, Maria De Marinis, Simone Sicuro, Chiara Lojudice
OA1053	<b>Patient digital twins as a new digital health resource for respiratory diseases : a scoping review</b> Apolline Gonsard (Paris, France), David Drummond

**Identification of COPD from primary care spirometry with artificial intelligence (AI) interpretation software: a retrospective, diagnostic accuracy study**

- OA1047** William Man (Harefield, United Kingdom), Anthony Paulo Sunjaya, George Edwards, Jennifer Harvey, Karl Sylvester, Joanna Purvis, Matthew Rutter, Joanna Shakespeare, Vicky Moore, Ethaar El-Emir, Gillian Doe, Karolien Van Orshoven, Suhani Patel, Maarten De Vos, Ahmed Elmahy, Benoit Cuyvers, Paul Desbordes, Rachael A. Evans, Michael D. Morgan, Richard Russell, Ian Jarrold, Nannette Spain, Stephanie Taylor, David A. Scott, Toby Prevost, Nicholas Hopkinson, Samantha Kon, Marko Topalovic

**Evaluation of a Smartphone App for Pulmonary Rehabilitation in COPD - A Multicenter Randomized Controlled Trial**

- OA1055** Rainer Gloeckl (Schoenau am Koenigssee, Germany), Asta Stankeviciene, Marc Spielmanns, Anne Plidschun, Daniela Leitl, Inga Jarosch, Tessa Schneeberger, Bernhard Ulm, Claus Vogelmeier, Rembert Koczulla

**ChatGPT: Friend or foe of sleep-related breathing disorders?**

- OA1056** Matteo SICILIANO (ROMA, Italy), Alessia MARTINI, Simone Ielo, Gaia Bisbano, Mariarita Andreani, Luca Richeldi

**Discussion and Q&A**

- OA1057** All Speakers

A3

Session 115

11:00 - 12:15

**Oral presentation: Advances in clinical practice for rare interstitial lung diseases: from research to the real world**

**Disease(s)** : [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

**Method(s)** : General respiratory patient care Imaging Epidemiology Pulmonary function testing Transplantation Cell and molecular biology

**Tag(s)** : Clinical

**Chairs** : Pilar Rivera Ortega (Manchester, United Kingdom), Cormac McCarthy (Dublin 4, Ireland)

**Late Breaking Abstract - Bexotegrast reduces type 1 collagen deposition in participants with idiopathic pulmonary fibrosis (IPF) after 12 weeks of therapy**

- OA1058** Sydney B. Montesi (Boston, United States), Gregory P. Cosgrove, Scott Turner, Iris Zhou, Nikos Efthimiou, Antonia Susnjar, Ciprian Catana, Caroline Fromson, Annie Clark, Martin Decaris, Chris N. Barnes, Eric A. Lefebvre, Peter Caravan

**Inhaled GM-CSF Reduces the Need for Whole Lung Lavage (WLL) and Improves Gas Exchange in Autoimmune Pulmonary Alveolar Proteinosis (aPAP) Patients**

- OA1059** Ilaria Campo (Pavia (PV), Italy), Brenna C Carey, Elena Paracchini, Annalisa De Silvestri, Giuseppe Rodi, Mara De Amici, Cristina Torre, Michele Zorzetto, Matthias Griese, Angelo Guido Corsico, Bruce C Trapnell, Francesca Mariani

**DIPNECH: An International Case Series**

- OA1060** Marissa O'Callaghan (County Cork, Ireland), Maitreyi Penugonda, Sarah Forde, Remi Diesler, Helen O'Brien, Hussein Almeamar, Bilal Samhoury, Jay Ryu, Marcel Veltkamp, Effrosini D Manali, Aggeliki Lazaratou, Spyros A Papiris, Francesco Bonella, Laurie Carr, Vincent Cottin, Camille Taille, Francis X McCormack, Nishant Gupta, Jonathan Strosberg, Filippo Lococo, Sergio Harari, Demosthenes Bouros, Lykourgos Kolilekas, Zoe Daniil, Ilias Dimeas, Alessandro N Franciosi, Dermot O'Toole, David J. Murphy, Aurelie Fabre, Michael P Keane, Ludovic Fournel, Adam Byrne, Rachel Crowley, Cormac Mccarthy

**Comparison of clinical and radiological features of lung involvement between IgG4-related disease and idiopathic multicentric Castleman disease**

- OA1061** Jiamin Zhou (Beijing, China), Xueqing Liu, Weihong Zhang

**Characteristics and clinical course of lymphangioleiomyomatosis (LAM) in patients treated with sirolimus in France**

- OA1062** Vincent Cottin (Lyon, France), Lidwine Wemeau, Brioux Chardès, Jérémie Rudant, Nada Assi, Aurélie Schmidt, Helene Denis, Yurdagul Uzunhan

**Machine Learning to Identify Novel Serum Biomarkers in Lymphangioleiomyomatosis**

- OA1063** Nicholas Mc Carthy (Dublin, Ireland), Alessandro N. Franciosi, Nishant Gupta, Katie Noonan, Francis X. Mc Cormack, Kathleen M. Curran, Cormac McCarthy

**French cohort RADICO-ILD2 (FIFA): Asymptomatic manifestations in relatives of patients carrying telomere-related gene variants**

- OA1064** Raphaël Borie (Paris, France), Cécile GUERIN, Caroline Kannengiesser, Khalil Bramki, Stéphane Jouneau, Grégoire Prevot, Sylvain Marchand-Adam, Stéphane Dominique, Claire Andréjak, Elodie Blanchard, Lidwine Wemeau, Bruno Crestani, Elodie Lainey, Flore Sire De Fontbrune, Aurélie Plessier, Jean-Christophe Dubus, Annick Clément, Hilario Nunes, Dominique Valeyre, Nadia Nathan, Jacques Cadranel, Dominique Israel Biet, Martine Reynaud-Gaudebert, Philippe Bonniaud, Lucas Plouvier, Idhir Nasri, Albane Lassus, Ibrahima Ba, Vincent Cottin, Sonia Gueguen

**OA1065 From body composition to pulmonary fat attenuation volume: evaluation of new CT-based biomarkers to predict the overall survival in patients with non-specific interstitial pneumonia (NSIP).**  
Francesco Bonella (Essen, Germany), Luca Salhöfer, Mathias Meetschen, Lale Umutlu, Michael Forsting, Benedikt M. Schaarschmidt, Marcel Opitz, Nicolas Beck, Sebastian Zensen, Rene Hosch, Vicky Parmar, Felix Nensa, Johannes Haubold

**OA1066 Children's ILDs survivors in adulthood: a European Study**  
Effrosyni D. Manali (Athens, Greece), Matthias Griese, Nadia Nathan, Yurdagül Uzunhan, Raphael Borie, Katarzyna Michel, Nikolaus Schwerk, Justyna Fijolek, Elzbieta Radzikowska, Felix Chua, Rishi Pabary, Nesrin Mogulkoc, Cormac McCarthy, Maria Kallieri, Andriana I Papaioannou, Nural Kiper, Martina Koziar Vasakova, Ladislav Lacina, Maria Molina-Molina, Alba Torrent-Vernetta, Theofanis Tsiligiannis, Bulent Karadag, Maria Kokosi, Elisabetta A Renzoni, Coline Hm Van Moorsel, Ilaria Campo, Elisabeth Bendstrup, Thomas Skovhus Prior, Antje Prasse, Francesco Bonella, Vincent Cottin, Rémi Diesler, Antoine Froidure, Lykourgos Kolilekas, Lampros Fotis, Konstantinos Douros, Athanasios G. Kaditis, Florence Jeny, Simon Chauveau, Hilario Nunes, Azrine Dahbia, Francesca Mariani, Joanne J Van Der Vis, Karlijn Groen, Ela Erdem Eralp, Yasemin Gokdemir, Derya Kocakaya, Sehnaz Olgun Yildizeli, Ebru Yalçın, Nagehan Emiralioglu, Halime Nayir Buyuksahin, Helen O'Brien, Oguz Karcioğlu, Demet Can, Alper Ezircan, Gokcen Kartal Ozturk, Nesrin Ocal, Hasan Yuksel, Sedef Narin Tongal, Martina Safrankova, Katerina Kourtesi, Camille Louvrier, Caroline Kannengiesser, Aurelie Fabre, Marie Legendre, Bruno Crestani, Petr Pohunek, Andrew Bush, Spyros Papiaris

**OA1067 Nintedanib in children and adolescents with fibrosing ILDs: interim analysis of InPedILD-ON**  
Matthias Griese (München, Germany), Robin Deterding, Lisa R Young, Emily M Deboer, David Warburton, Steven Cunningham, Nikolaus Schwerk, Kevin K Brown, Václav Koucký, Jason P Weinman, Jill Simmons, Mihaela Dumistracel, Frauke Jantzen, Martina Gahlemann

**OA1068 Discussion and Q&A**  
All Speakers

### Lehar 3

### Session 116

11:00 - 12:15

#### Oral presentation: Knowing your ABCs of airways disease: advances, biomarkers and control

**Disease(s) :** Airway diseases

**Method(s) :** Cell and molecular biology Pulmonary function testing Epidemiology Public health

**Tag(s) :** Translational

**Chairs :** Robert Snelgrove (London, United Kingdom), Clarice Lim (Wien, Austria)

**OA1069 Late Breaking Abstract - Metabolomic endo-phenotypes based on eicosanoids of 15-lipoxygenase pathway in AERD**  
Adam Stepień (Krakow, Poland), Piotr Szatkowski, Gabriela Trąd, Anna Gielicz, Hanna Plutecka, Lucyna Mastalerz

**OA1070 Some middle age biomarkers can identify impaired lifetime lung function trajectories: a prospective study from 1st to 6th decade**  
Dinh Bui (Melbourne (VIC), Australia), Don Vicendese, Jonathan Pham, N Sabrina Idrose, Adrian Lowe, Caroline Lodge, Raisa Cassim, Chamara Senaratna, Gayan Bowatte, Garun Hamilton, Alan James, Paul Thomas, Richard Wood-Baker, Peter Frith, Gary Anderson, Philip Hansbro, Graem Zosky, George Washko, Michael Abramson, Rosa Faner, Alvar Agusti, Jennifer Perret, E.Haydn Walters, Shyamali Dharmage

**OA1071 COPD patients display pronounced changes of IL-33 and ST2 expression in alveolar capillary phenotypes**  
Cecilia Andersson (Lund, Sweden), Premkumar Siddhuraj, Caroline Sandén, Johan Ahlgren, Jimmie Jönsson, Caroline Lindö, Josquin A Nys, Sandra Lindstedt, Roland Kolbeck, Alison A Humbles, E Suzanne Cohen, Jonas S Erjefält

**OA1072 LSC - 2024 - Multiplex protein quantification per cell type in bronchoalveolar lavage cytospin cells of patients with asthma and healthy individuals**  
Ellen Tufvesson (Lund, Sweden), Nicole van der Burg, Martin Ryde, Jaro Ankerst, Leif Bjermer

**OA1073 A comparative analyses of group 2 innate lymphoid cells in sputum from patients with non-asthmatic eosinophilic bronchitis and allergic asthma**  
Takahiro Matsuyama (Dundas, Canada), Yoshihisa Tokunaga, Xiaotian Ju, Nermin Diab, Danica Brister, Mustafaa Wahab, Elena Kum, Jennifer Wattie, Karen Howie, Kieran Killian, Jaelyn Smith, Gail Gauvreau, Paul O'Byrne, Imran Satia, Roma Sehmi

**OA1074 Sputum proteomics shows association between asthma duration and NETosis**  
P Jane McDowell (Belfast, United Kingdom), Adnan Azim, John Busby, Sarah Diver, Freda Yang, Catherine Borg, Vanessa Brown, Rahul Shrimanker, Rekha Chaudhuri, Christopher E Brightling, Ian D Pavord, Peter Howarth, James D Chalmers, Liam G Heaney

**OA1075 Prevalence and impact of eosinophilic degranulation in patients with severe asthma**  
Nanna Dyhre-Petersen (Haderslev, Denmark), Alexander Wessely Silberbrandt, Anna Von Bülow, Manali Mukherjee, Celeste Porsbjerg, Laurits Frøssing

**OA1076 Sensitisation to Staphylococcus aureus enterotoxin – a marker of an autoimmune phenotype of severe asthma?**  
Freja Lajer (Copenhagen, Denmark), Celeste Porsbjerg



**OA1077 Rilzabrutinib, a potent and selective Bruton's tyrosine kinase inhibitor, suppresses reactive oxygen species production and CD11b activation in human eosinophils**  
Kai-Ting Shade (Cambridge, United States), Shin Mukai, Alexandra Hicks

**OA1078 Mepolizumab depletes inflammatory but preserves homeostatic eosinophils in severe asthma**  
Michael Fricker (New Lambton Heights (NSW), Australia), John Harrington, Sarah Hiles, Peter Gibson

**OA1079 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 117

11:00 - 12:15

## Oral presentation: The wide world of thoracic ultrasound

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

**Method(s) :** Imaging Pulmonary function testing Endoscopy and interventional pulmonology

**Tag(s) :** Clinical

**Chairs :** Casper Falster (Odense, Denmark), Beenish Iqbal (Oxford, United Kingdom)

**OA1080 The measurement of tracheal radius curvature for the assessment of subglottic stenosis by using point-of-care ultrasound**  
Mingming Deng (Beijing, China), Gang Hou

**OA1081 Thoracic ultrasound findings and pulmonary diagnosis in rheumatoid arthritis with respiratory symptoms**  
Björk Sofiudóttir (Odense, Denmark), Christian Borbjerg Laursen, Stefan Harders, Philip Lage-Hansen, Sabrina Mai Nielsen, Søren Andreas Just, Robin Christensen, Torkell Ellingsen, Jesper Rømhild Davidsen

**OA1082 Pleural involvement in rheumatoid arthritis (RA) by thoracic ultrasound: a pilot study.**  
Matteo Daverio (Padova, Italy), Mariaenrica Tinè, Margherita Zen, Filippo Vesentini, Umberto Semenzato, Elisabetta Cocconcelli, Davide Biondini, Elisabetta Balestro, Paolo Spagnolo

**OA1083 Lung Ultrasonography for Detection of Interstitial Lung Disease in Patients with Systemic Sclerosis – A Diagnostic Accuracy Study**  
Suchada Boonpeng (Bangkok, Thailand), Silp Satjawattanavimol, Supparek Disayabutr, Suwimon Wonglaksanapimon, Phakphoom Thiravit, Chayawee Muangchan, Krittika Teerapuncharoen

**OA1084 Thoracic ultrasound elastography to differentiate between malignant and benign lesions**  
Christian Kildegaard (Odense, Denmark), Casper Falster, Dinesh Addala, Marianne S. Jepsen, Martine S. Nielsen, Rune Wiig, Christian B, Laursen

**OA1085 Lung and quadriceps ultrasound in the assessment of COPD exacerbation**  
Bernardino Alcazar Navarrete (Cájar, Spain), Antonio Menéndez, Alejandro Romero Linares, Ayoub Hammadi Ahmed, Clara Hoyas Sánchez, Lucía Álvarez Muros, Angel Almansa López, Laura Casares Martín-Moreno, Andrea Jiménez Antón

**OA1086 Correlation between lung ultrasonography and pulmonary function tests in the post-COVID-19 follow-up: a prospective study.**  
Katarzyna Zimna (Warszawa, Poland), Małgorzata Sobiecka, Dorota Wyrastkiewicz, Witold Tomkowski, Monika Szturmowicz

**OA1087 Static lung compliance and lung ultrasound scores**  
ROOSEVELT SANTOS NUNES (RIBEIRAO PRETO, Brazil), Kamila Da Grazia Iazzetta, Viviane Barbosa Silva, Taiana Bertacini Almas De Jesus, Gil Cezar Alkmin Teixeira

**OA1088 Ultrasound-guided needle aspiration biopsy (US-NAB) of neck nodes in patients with suspected tuberculosis: a diagnostic challenge for respiratory physicians**  
Maria Angela Vittoria Anna Chiara Licata (Rome, Italy), Gina Gualano, Annelisa Mastrobattista, Alberto Zolezzi, Serena Maria Carli, Paola Mencarini, Silvia Mosti, Carlo Pareo, Virginia Di Bari, Carlotta Cerva, Pietro Vittozzi, Raffaella Libertone, Maria Musso, Carla Fontana, Franca Del Nonno, Daniele Colombo, Fabrizio Palmieri

**OA1089 Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 118

11:00 - 12:15

## Oral presentation: Untangling the molecular, immunological and microbiome tentacles of lung cancer

**Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Public health Pulmonary function testing Cell and molecular biology Endoscopy and interventional pulmonology Palliative care General respiratory patient care**Tag(s) :** Translational**Chairs :** Ilona Tietzova (Prague, Czech Republic), Antonella Dost (Utrecht, Netherlands)

<b>OA1090</b>	<b>A phase 3 multicenter study to evaluate the accuracy and clinical usefulness of the high-sensitivity next-generation sequencing panel using cytological specimens for lung cancer (cPANEL)</b> Kei Morikawa (Kawasaki (Kanagawa), Japan), Yuta Takashima, Masahide Oki, Akifumi Tsuzuku, Shuji Murakami, Daisuke Minami, Shinji Fujii, Naofumi Shinagawa, Fumihiko Asano, Seiji Nakamura, Yoshiharu Sato, Yumi Ueda, Fumihiko Suzuki, Tomoyuki Yokose, Kenichiro Tanabe, Masamichi Mineshita
<b>OA1091</b>	<b>Airway microbiota associated D-phenylalanine promotes cancer metastasis through epithelial mesenchymal transition in non-small cell lung cancer</b> yuhan du ( / / , China), Lin Gao, Hua Liao, Hangming Dong
<b>OA1092</b>	<b>Characterizing the tumor microbiome of non-small cell lung cancer patients receiving neoadjuvant chemo-immunotherapy (SAKK 16/14)</b> Maximilian Boesch (St.Gallen, Switzerland), Florent Baty, Sacha Rothschild, Ilaria Alborelli, Eveline Keller, Spasenija Savic, Stefanie Hayoz, Markus Joerger, Martin Früh, Martin Brutsche
<b>OA1093</b>	<b>Fine-Needle Aspiration improved the success rate of organoid generation and assists personalized-therapies for EGFR+ combined small cell lung cancer patients</b> ZhanHong Xie (GuangZhou, China), Yingbo Xie, Yongqing Wu
<b>OA1094</b>	<b>Chronic Obstructive Pulmonary Disease (COPD) increases propagation of Lung cancer by reducing the cytotoxicity of neutrophils to tumor cells</b> Zvi Gregorio Fridlender (Jerusalem, Israel), Mohamadm Keisi, Merav Shaul, Nuha Alsharif, Naomi Kaisar-Iluz, Sojod Mahrom, Osnat Bohana
<b>OA1095</b>	<b>Late Breaking Abstract - DNA methylation in transbronchial lung biopsy tissue aids in the diagnosis of pathologically negative lung cancer: a prospective study</b> Lei Li (Chengdu (Sichuan), China), Dan Liu
<b>OA1096</b>	<b>Immunogenic cell death-related classification predicts prognosis and response to immunotherapy in NSCLC</b> Yang Yu (Tianjin, China), Yan Song, Yiman Li, Zhijing Shi, Zhe Chen
<b>OA1097</b>	<b>Gene expression and mutational profiling of NSCLC in relation to KRAS G12C.</b> Joanna Moes-Sosnowska (Warsaw, Poland), Urszula Lechowicz, Magdalena Pelc, Adam Szczechcinski, Paulina Skronska, Adriana Rozy, Aneta Zdral, Emil Wojda, Mateusz Polaczek, Małgorzata Szołkowska, Tadeusz Orłowski, Pawel Sliwinski, Renata Langfort, Joanna Chorostowska-Wynimko
<b>OA1098</b>	<b>Machine learning framework for classification of Adenocarcinoma and Squamous cell carcinoma using lung microbiome dataset for their early diagnosis</b> Pragya Kashyap (Jodhpur, India), Kalbhavi Vadhi Raj, Pankaj Yadav
<b>OA1099</b>	<b>LSC - 2024 - Distinguishing B cell maturation subsets in lymph node aspirates and peripheral blood in patients with lung cancer and sarcoidosis</b> Iwona Kwiecień (Warszawa, Poland), Agata Raniszewska, Elżbieta Rutkowska, Rafał Sokołowski, Piotr Mikłusz, Karina Jahnz- Różyk, Piotr Rzepecki
<b>OA1100</b>	<b>Discussion and Q&amp;A</b> All Speakers

Outside the congress  
centre

Session 119

11:00 - 18:00

**Public: Healthy Lungs for Life Public Event****Chairs :** Katherine Wylie (Ixelles, Belgium)

Studio

Session 121

11:45 - 12:10

**Experts interview: Enthusiast meets experienced: interstitial lung disease****Aims :** to introduce a new, interactive and innovative format where dedicated and enthusiastic early career members introduce landmark trials on pulmonary diseases while the experienced, expert in the field, puts these data into the context of current clinical practice, further data and guidelines; to discuss the newest data on idiopathic pulmonary fibrosis (IPF), progressive pulmonary fibrosis (PPF) and hypersensitivity pneumonitis.

**Disease(s) :** Interstitial lung diseases**Tag(s) :** Clinical**Chairs :** Nina Sicker (Steinach, Germany), Laura Fabbri (London, United Kingdom)

<b>11:45</b>	<b>Enthusiast meets experienced: interstitial lung disease</b> Michael Kreuter (Mainz, Germany)	<b>1101</b>
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<b>12:00</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>1102</b>
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<b>PS-1</b>	<b>Session 131</b>	<b>12:30 - 14:00</b>
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**Poster session: Clinical problems in respiratory medicine I****Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases Sleep and breathing disorders**Method(s) :** Endoscopy and interventional pulmonology Imaging Respiratory intensive care General respiratory patient care Physiology Surgery Epidemiology Cell and molecular biology Pulmonary function testing Public health**Tag(s) :** Clinical**Chairs :** Jan Willem Duitman (Lelystad, Netherlands), Stefania Principe (Utrecht, Netherlands)

<b>PA1145</b>	<b>Asymptomatic Pulmonary Cryptococcosis and Tuberculosis Co-infection in an immunocompetent Host : A case report.</b> Rashmi Giri (Kathmandu, Nepal)
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<b>PA1146</b>	<b>Brain activity changes in patients with chronic obstructive pulmonary disease: A systematic review and meta-analysis</b> cong zhou (ChengDu, China), Wei Liu, Junjie Li, Yang Li
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<b>PA1147</b>	<b>Predictors of severe course and mortality in patients with COVID-19 associated pneumonia.</b> Vesela Blagoeva (Plovdiv, Bulgaria), Vladimir Hodzhev, Rositsa Dimova, Romyana Stoyanova
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<b>PA1148</b>	<b>Surgical Strategies in the Management of Thoracic Tuberculosis: Over 12 Years experience</b> Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdessalem Hentati, Imed Frikha
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<b>PA1149</b>	<b>Effect of high-flow nasal cannula oxygen therapy with awake prone position ventilation vs. supine position ventilation in patients with severe pneumonia: a quasi-experimental study</b> Aibo Zheng (Zigong City, China), Kai Sun, Shengjun Ma, Ping Liu, Yibo Shen, Li Gu, Juan Peng
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<b>PA1150</b>	<b>Microbiological profile of tracheostomy patients with amyotrophic lateral sclerosis: a monocentric observational study</b> Maria Caterina Zenoni (Milano, Italy), Paolo Gaboardi, Andrea Lizio, Federica Cerri, Valentina Giunta, Giovanni Colacicco, Massimo Croci, Elvia Giovanna Battaglia, Paolo Tarsia, Valeria Sansone, Marco Mantero, Elisabetta Roma
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<b>PA1151</b>	<b>Late Breaking Abstract - Prompt initiation of budesonide/glycopyrronium/formoterol reduces exacerbations and cardiopulmonary events in patients with COPD (MITOS EROS+CP study)</b> Michael Pollack (Wilmington, United States), Joseph Tkacz, Jill Schinkel, Barnabie Agatep, Edward Portillo, Hayley Germack, Michael Crooks, Charlie Strange, Jonathan Marshall, Hana Mullerova
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<b>PA1152</b>	<b>The effectiveness of erdosteine in patients with COPD in combination with secondary bronchiectasis</b> Uliana Shevchuk-Budz (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Iryna Makoida, Mariana Kulynych-Miskiv, Oleksandr Varunkiv, Iryna Savelikhina
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<b>PA1153</b>	<b>Blood eosinophil level in COPD patients depending on different risk factors</b> Nataliia Sanina (Dnipro, Ukraine), Tetyana Pertseva, Tamara Turlyun
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<b>PA1154</b>	<b>Development of the Multidimensional Assessment in COPD (MAC) score for short- and medium-term prognosis in highly-complex COPD patients at high risk of acute exacerbation</b> Domenico Di Raimondo (Palermo, Italy), Edoardo Pirera, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Mario Daidone, Antonino Tuttolomondo
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<b>PA1155</b>	<b>Malnutrition, poor quality of life and disability: part of the complexity of Chronic Obstructive Pulmonary Disease (COPD) and their influence on the rate of acute exacerbations</b> Edoardo Pirera (Palermo, Italy), Domenico Di Raimondo, Edoardo Pirera, Chiara Pintus, Martina Profita, Riccardo De Rosa, Gaia Musiari, Mario Daidone, Antonino Tuttolomondo
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<b>PA1156</b>	<b>Impaired lung function observed in underweight Pakistani individuals aged <math>\leq 40</math> years: a cross-sectional analysis</b> AKBAR SHOUKAT (Karachi, Pakistan), Faiza Qureshi, Amna Irfan Ansari, Shayan Shahid, Umme Abiha, Emaan Fatima, Muhammad Tayyab Ihsan, Muhammad Irfan
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**PA1157 Influence of polytherapy on moderate-to-severe exacerbation rate in patients with severe COPD: focus on  $\beta$ -blockers and SGLT2 inhibitors**  
Domenico Di Raimondo (Palermo, Italy), Edoardo Pirera, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Mario Daidone, Antonino Tuttolomondo

**PA1159 Factors Predicting In-Hospital Mortality in Acute Exacerbations of Idiopathic Pulmonary Fibrosis**  
Ahmet Ursavaş (Bursa, Turkey), Ozge Aydin Guclu, Nilufer Aylin Acet Ozturk, Anil Ozgur, Arzu Özpehlivan, Ezgi Demirdogen, Asli Gorek Dilektasli, Funda Coskun, Mehmet Karadag

**PA1160 Agreement of Spirometry Parameters Between Facemask and Flanged Mouthpiece in Healthy Individuals and Patients with Perioral Muscle Weakness**  
Pailin Boonkaya (Chonburi, Thailand), Nareerat Sae-Eao, Jakkrit Amornvit, Nath Pasutharnchat, Worawan Sirichana

**PA1161 Respiratory physicians' perceptions and learning needs for advanced care planning in non-malignant respiratory disease: A questionnaire-based survey**  
Nami Hayama (Chiba, Japan), Hajime Kasai, Hiroshi Tajima, Chiaki Kawame, Mikihiro Saito, Takuji Suzuki

**PA1162 Caloric Deficiency Decreases Lung Function without Affecting Respiratory Muscle Strength Beyond Reducing Pulmonary IL-10 Levels in Older Adults without COPD**  
Rosa Helena Ramos Paula-Vieira (Anápolis, Brazil), Nycole Vieira Ramos Gomes, Anamei Silva-Reis, Meiry Souza Moura-Maia, Naiara Nadia Moreira Da Silva, Fernanda Rodrigues Monteiro, Yanesko Fernandes Bella, Andre Luis Lacerda Bachi, Rodolfo P Vieira

**PA1163 Respiratory muscle strength and small airway function in long COVID-19 syndrome patients**  
Christina Anagnostopoulou (ATHENS, Greece), Nikolaos Chynkiamis, Angelos Vontetsianos, Christiana Lekka, Andriana I. Papaioannou, Petros Bakakos, Ioannis Vogiatzis, Georgios Kaltsakas, Nikolaos Koulouris

**PA1164 Clinical characteristics and management of allergic rhinitis in patients with obstructive apnea hypopnea sleep syndrome**  
Walid Feki (Sfax, Tunisia), Oumayma Aggouni, Rahma Gargouri, Najla Bahloul, Rim Khemakhem, Sameh Msaed, Walid Fki, Samy Kammoun

PS-10

Session 132

12:30 - 14:00

Poster session: Precision medicine considerations and inhalation efficacy in airway diseases

Disease(s) : Airway diseases

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

Tag(s) : Clinical

Chairs : Thérèse Lapperre (Edegem, Belgium), Petros Bakakos (Athens, Greece)

**PA1165 Expiratory Flow Limitation Development Index (EDI) measured by oscillometry in COPD**  
James Dean (Holmes Chapel, United Kingdom), Dave Singh, Augusta Beech

**PA1166 Assessing the accuracy of pulse oximetry to detect severe hypoxemia in chronic lung disease patients using long term oxygen therapy**  
Bruno Deo de Oliveira (Botucatu-SP, Brazil), Luís Maurício Batalin Júnior, Robson Aparecido Prudente, Thomaz Almeida Vargas, Bruno De Mattos Freire, Gabriella Gomes De Carvalho, Julio Cesar De Oliveira, Maria Eduarda Bueno, Jonathas William De Moraes, Luiz Henrique Soares Machado, Luis Fernando Brizola, Maércio Souza Cícero Dos Santos, Jéssica Geronutti, Estefânia Aparecida Thomé Franco, Talita Jacon Cezare, Irma De Godoy, Suzana Erico Tanni

**PA1167 The effectiveness of discharge care bundles on reducing hospital readmissions in COPD; a systematic review**  
Siobhan Giblin (Galway, Ireland), Tara Byrne, Melissa Mc Donnell

**PA1168 Potential reductions in COPD exacerbations, mortality, and costs due to increased SITT use in appropriate patients. PROMETHEUS Spain.**  
John Bell (Cambridge, United Kingdom), Marta Marín-Oto, Jorge Mestre-Ferrándiz, Joaquín Sánchez-Covisa, Carmen Corregidor-García, Néstor Martínez-Martínez, Amanda Mccarthy, Jennifer Carioto, Prachi Bhatt, Bruce Pyenson

**PA1170 Implementation of 2023 CTS guidelines for SITT could reduce exacerbation and mortality rates in COPD: PROMETHEUS Canada.**  
Mohit Bhutani (Edmonton (AB), Canada), Alan Kaplan, Sheena Kayaniyil, Kyla Jamieson, Ross Ormsby, John Bell, Amanda Mccarthy, Prachi Bhatt, Jennifer Carioto, Bruce Pyenson

**PA1171 Towards disease stability in COPD management: patient perspectives**  
Mark Brooke (Milton, Australia), Migdalia Denis, Shane Fitch, Susanna Palkonen, Jeffrey Beach, Rianne E. Stacey, Raj Sharma, Tonya Winders

- PA1172** **Late Breaking Abstract - Dupilumab improves lung function and reduces exacerbations despite withdrawal of inhaled corticosteroids/long-acting beta agonists**  
Michael E. Wechsler (Denver, United States), David J. Jackson, Arnaud Bourdin, Klaus F. Rabe, Ian D. Pavord, J. Christian Virchow, Rohit Katial, Elliot Israel, Changming Xia, Olivier Ledanois, Mena Soliman
- PA1173** **Impact of varying health status thresholds on disease stability in COPD with FF/UMEC/VI: IMPACT post hoc analysis**  
David M. G. Halpin (Exeter, United Kingdom), Dave Singh, Surya P. Bhatt, Marc Miravittles, Chris Compton, Tharishini Mohan, Raj Sharma, Suneal K. Sreedharan, Lee Tombs, Meilan Han
- PA1174** **Identifying Patients Requiring Necessary Treatment in Mild to Moderate COPD**  
Zihui Wang (Guangzhou, China)
- PA1175** **Has OCS use for severe asthma in the US decreased in the last 10 years?**  
Aungkana Vichiendilokkul (West Hartford, United States), Victoria S. Benson, Aparna Chauhan, George Mu, Anna Vichiendilokkul
- PA1176** **The SHARP CRC Health Economics Study. Simulation of the preventable costs of oral corticosteroids in severe asthmatics in eleven European countries**  
Arnaud Bourdin (Montpellier Cedex 5, France), Aruna T. Bansal, Sergio Di Matteo, Chiara Martinotti, Giacomo Bruno, Elisabeth Bel, Anneke Ten Brinke, Zsuzsanna Csoma, Barbro Dahlen, Ratko Djukanovic, Liam Heaney, Enrico Heffler, Piotr Kuna, Renaud Louis, Celeste Porsbjerg, David Ramos-Barbon, Sabina Skrgat, Thomas Paulsson, Barbara Mascialino
- PA1177** **Narrative exploration of uncontrolled asthma: insights from patients and healthcare professionals in a cross-sectional study**  
Mattia Ramaccia (Frascati (RM), Italy), Alessio Piraino, Vincenzo Pennisi, Eleonora Volpato, Alfio Pennisi, Paolo I. Banfi, Salvatore D'Antonio, Stefano Centanni, Filomena Bugliaro, Antonietta Cappuccio, Luca Cavaliere, Roberta Termini, Maria Giulia Marini
- PA1178** **What do patients really think of oral steroids for asthma attacks? A discrete choice experiment.**  
Imran Howell (Oxford, United Kingdom), Jon Noble, Caitlin Morgan, Aleksandra Howell, Jennifer Logan, Sarah Miller, Rekha Chaudhuri, Richard Russell, Mona Bafadhel, Richard Beasley, Ian Pavord, John Buckell
- PA1179** **Impact on Quality of Life in Greek asthmatic patients receiving Budesonide/Formoterol FDC as maintenance treatment, with or without additional reliever treatment. Results from the NOTOS study.**  
Maria Bertoli (Pikermi, Greece), Konstantinos Samitas, Nikoletta Rovina, Athena Gogali, Marios Panagiotou, Alexandros Ginis
- PA1180** **Evaluating asthma control in patients using Budesonide/Formoterol FDC as maintenance treatment, with or without reliever, in Greece. Results from the NOTOS study.**  
Maria Bertoli (Pikermi, Greece), Paschalis Steiropoulos, Konstantinos Kostikas, Christina Leontaridi, Nikolaos Angelis, Polyanthi Papanastasiou
- PA1181** **Treatable traits and personalised management of moderate-severe asthma: implications for reliever use, symptom control and exacerbation risk**  
Gabriel García (City Bell, Argentina), Dave Singh, Ian Pavord, Sven Van Dijkman, Sean Oosterholt, Janna Duong, Sourabh Fulmali, Anurita Majumdar, Oscar Della Pasqua
- PA1182** **Evaluating the influence of health policy on health outcomes: REALITI-A post hoc analysis**  
Rafael Alfonso-Cristancho (Collegetown, United States), Samantha N Valliant, Dominick Shaw, Lingjiao Zhang, Peter Howarth
- PA1183** **Patients' perspectives and perceptions of asthma clinical remission: A global view**  
Stephen G Noorduyn (Mississauga, Canada), Samantha N Valliant, Steven Gould, Rafael Alfonso-Cristancho, Alison Moore, Alice Picton-March, Josh Barazetti-Scott, Kathryn Chase, Stephen Noorduyn
- PA1184** **Asthma remission : how much can we improve?**  
Ana Rita Gaspar Ribeiro (Portimão, Portugal), Benedita Ferreira, Pedro Americano, Inês Belchior, Lígia Pires

PS-11

Session 133

12:30 - 14:00

Poster session: All the way to clinical remission of asthma

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Richard Russell (Leicester, United Kingdom), Ramesh J. Kurukulaaratchy (Southampton, United Kingdom)



PA1185	<b>Clinical remission in patients with severe eosinophilic asthma treated with mepolizumab: a post-hoc analysis of the 2-year RELIght study</b> Andriana Papaioannou (Vrilissia (Athens), Greece), Maria Kallieri, Eleftherios Zervas, Evangelia Fouka, Konstaninos Porpodis, Marija Hadjimitrova, Eleni Tzortzaki, Michael Makris, Maria Ntakoula, Panagiotis Lyberopoulos, Katerina Dimakou, Sofia Koukidou, Sevasti Ampelioti, Anastasia Papaporfyriou, Konstantinos Katsoulis, Maria Kipourou, Nikolett Rovina, Katerina Antoniou, Stylianos Vittorakis, Petros Bakakos, Paschalis Steiropoulos, Katerina Markopoulou, Panteleimon Avarlis, Ilias Papanikolaou, Miltiadis Markatos, Eleni Gaki, Konstantinos Samitas, Konstantinos Glynos, Spyros Papiris, Despoina Papakosta, Nikolaos Tzanakis, Mina Gaga, Konstantinos Kostikas, Stelios Loukides
PA1186	<b>Clinical remission maintained and improved over time in patients with severe asthma treated with omalizumab</b> Aykut Cilli (Antalya, Turkey), Fatih Uzer, Gamze Ozbey
PA1187	<b>Remission on biologics for severe asthma - 5 years of follow-up</b> Anne Sofie Bjerrum (Århus, Denmark), Soran Peshbahar, Tina Skjold, Johannes Martin Schmid
PA1188	<b>Clinical remission in best performers severe asthmatic patients treated for three years with mepolizumab.</b> Benedetta Bondi (Genova, Italy), Diego Bagnasco, Marco Caminati, Stefania Nicola, Laura Pini, Manlio Milanese, Luisa Brussino, Gianenrico Senna, Giorgio Walter Canonica, Fulvio Braido
PA1189	<b>Real world clinical outcomes and remission rates among patients with severe asthma on monoclonal antibody therapy over two years</b> Fred Fyles (Liverpool, United Kingdom), Rachel Burton, Amy Nuttall, Glen Cordha, Hannah Joplin, Laura Watkins, Hassan Burhan
PA1190	<b>De-escalation of maintenance inhaler therapy in severe asthma in remission on Benralizumab</b> Valentina Catanzaro (Alcamo, Italy), Alida Benfante, Alessandra Tomasello, Lorena Gentile, Nicola Scichilone
PA1191	<b>Clinical Remission in Severe T2 high Asthma : A real-word analysis with Omalizumab, Mepolizumab and Benralizumab.</b> Jeanne Vervier (Liège, Belgium), Florence Schleich, Mare Sabbe, Monique Henket, Françoise Guissard, Virginie Paulus, Nicolas Bougard, Anne-Noel Frix, Renaud Louis
PA1192	<b>Clinical remission and lung function trajectories among the T2 asthma phenotypes</b> Vera Veith (Großhansdorf, Germany), Frauke Pedersen, Frederik Trinkmann, Anne-Marie Kirsten, Klaus F. Rabe, Henrik Watz, Thomas Bahmer, Mustafa Abdo
PA1193	<b>Reducing inhaled corticosteroids in patients well controlled on benralizumab: experience from a tertiary severe asthma service</b> Rachel Burton (Liverpool, United Kingdom), Shay Willoughby, Fred Fyles, Hannah Joplin, Anita Abraham, Amy Nuttall, Hassan Burhan
PA1194	<b>Clinical remission in patients with severe eosinophilic asthma treated with benralizumab who were randomised to reduce their inhaled corticosteroid/formoterol dose: SHAMAL post-hoc analysis</b> Gilles Devouassoux (Pierre-Bénite, France), David J Jackson, Frank F Käßner, Cristiano Caruso, Anat Shavit, Lynda Olinger, Andrew Menzies-Gow
PA1195	<b>Relationship between FeNO suppression and Clinical Remission with Tezepelumab in Severe Asthma</b> Jessica Gates (London, United Kingdom), Faizan Haris, Linda Green, Jodie Lam, Mariana Fernandes, Louise Thomson, Cris Roxas, Grainne D'Ancona, Jaideep Dhariwal, Alexandra M. Nanzer, David J. Jackson
PA1196	<b>Identifying comorbidities associated with switching patterns of real-world asthma treatment: a drug utilization study</b> Irene Mommers (Groningen, Netherlands), Job Van Boven, Jens Bos, Sumaira Mubarik, Eelko Hak, Maarten Bijlsma
PA1197	<b>Characteristics of patients meeting the components of clinical remission: CAPTAIN post hoc analysis</b> Stephen G Noorduy (Mississauga, Canada), Ian Pavord, Jodie Crawford, Steven Gould, Mohamed Hamouda, Emmeline Igboekwe, Alison Moore, David Slade, Stephen Weng, John Oppenheimer
PA1198	<b>Assessment of the components of clinical remission with moderate–severe asthma after 24–52 weeks of treatment: CAPTAIN post hoc analysis</b> Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), John Oppenheimer, Njira Lugogo, Jodie Crawford, Steven Gould, Mohamed Hamouda, Emmeline Igboekwe, Alison Moore, Stephen G Noorduy, David Slade, Stephen Weng
PA1199	<b>Impact of varying lung function threshold on clinical remission in asthma with FF/UMEC/VI: CAPTAIN post hoc analysis</b> Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), John Oppenheimer, Jodie Crawford, Stephen Gould, Mohamed Hamouda, Emmeline Igboekwe, Alison Moore, Stephen G Noorduy, David Slade, Stephen Weng, Njira Lugogo
PA1200	<b>Clinical characteristics impacting clinical remission attainment in REALITI-A</b> Giorgio Walter Canonica (Milano (MI), Italy), Guy Brusselle, Diane Loughheed, Liam Heaney, Lingjiao Zhang, Steven Gould, Tobias Welte, John Oppenheimer, Peter Howarth

**PA1201** **Characteristics of responders and non-responders to Tezepelumab in a complex, real-world severe asthma population**  
Pujan Patel (London, United Kingdom), Irene Berrar-Torre, Rachel Stead, Ella Campbell, Ilie-Narcis Statescu, Edel Lawless, Vincent Brennan

**PA1202** **Dupilumab-treated patients with moderate-to-severe asthma are more likely to meet clinical remission criteria: results from the VESTIGE trial**  
Njira Lugogo (Durham, United States), Alberto Papi, Mario Castro, Celeste Porsbjerg, Christopher E Brightling, Arnaud Bourdin, Claudia Chavez Loureiro, Mei Zhang, Xavier Soler, Paul J Rowe, Yamo Deniz, Lucia De Prado Gomez, Harry Sacks, Juby Jacob-Nara

**PA1203** **The Impact of Number of Treatable Traits to Clinical Remission in patients with Asthma**  
Chieko Yoshida (Kumamoto, Japan), Kei Muramoto, Moriyasu Anai, Akira Takaki, Yuko Horio, Hideharu Ideguchi, Takahiro Tashiro, Shinsuke Tsumura, Toshiyuki Koya, Yasuhiro Gon, Takuro Sakagami

**PA1204** **Remission of asthma in adolescents and young adults with severe asthma treated with Dupilumab**  
Marta Jimenez Arroyo (Talavera de la Reina, Spain), Alvaro Moreno Ancillo, Jose Manuel Bravo Nieto, Inmaculada Lomares Manzano, Magdalena J Caminoa Irisarri

PS-12

Session 134

12:30 - 14:00

Poster session: Asthma biomarkers in high and low type-2 phenotypes

Disease(s) : Airway diseases

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

Tag(s) : Translational

Chairs : Giuseppe Guida (ORBASSANO (TO), Italy), Laura Bergantini (siena, Italy)

**PA1205** **Additive prognostic value of blood eosinophils and exhaled nitric oxide (FeNO) to predict asthma attacks in the ORACLE patient-level meta-analysis**  
Simon Couillard (Sherbrooke, Canada), Fleur L Meulmeester, Carlos Celis-Preciado, Sanjay Ramakrishnan, Guy Brusselle, Jonathan Corren, Jo Hardy, Sarah E Diver, Christopher E Brightling, Mario Castro, Nicola A Hanania, David J Jackson, Michael E Wechsler, Neil Martin, Deborah Clarke, Annette Laugerud, Emilio Santoro, Chris Compton, Megan E Hardin, Cecile T J Holweg, Xavier Jaumont, Timothy S C Hinks, Richard W Beasley, Jacob K Sont, Ewout W Steyerberg, Ian D Pavord

**PA1206** **Benefit of daily FeNO measurement in asthmatics over 12 weeks: adherence, handling and overall satisfaction in the FeNO@home observational study.**  
Kai Michael Beeh (Taurusstein, Germany), Enrico Heffler, Hartmut Timmermann, Annette Holtdirk, Antonia Schneider, Sandra Wegner

**PA1207** **Extrapulmonary treatable traits in pregnant women with asthma**  
Esha Joshi (Sydney (NSW), Australia), Peter G Gibson, Vanessa M Mcdonald, Vanessa E Murphy

**PA1208** **Hot but not twitchy – Eosinophilic airway inflammation dissociates from variable airflow obstruction with increasing asthma severity**  
Laurits Frøssing (Copenhagen V, Denmark), Morten Hvidtfeldt, Asger Sverrild, . Breathe-Studygroup, Celeste Porsbjerg

**PA1209** **Eosinophilia in blood and sputum in patients with severe asthma: a preliminary study**  
Victor Guerra Ruiz (Barcelona, Spain), David Soler Segovia, Christian Romero Mesones, Iñigo Ojanguren Arranz, David Espejo Castellanos, Olga Luengo Sánchez, Paula Galvan Blasco, Lidia Muñoz-Montull, Ander Goitisoló Oyon, Xavier Muñoz Gall, Maria Jesús Cruz Carmona

**PA1210** **Type-2 biomarker elevation across asthma treatment steps in the ORACLE patient-level meta-analysis of all-comer trials**  
Simon Couillard (Sherbrooke, Canada), Fleur L Meulmeester, Carlos Celis-Preciado, Sanjay Ramakrishnan, Guy Bruselle, Jonathan Corren, Jo Hardy, Sarah E Diver, Christopher E Brightling, Mario Castro, Nicola A Hanania, David J Jackson, Michael E Wechsler, Neil Martin, Deborah Clarke, Annette Laugerud, Emilio Santoro, Chris Compton, Megan E Hardin, Cecile T J Holweg, Xavier Jaumont, Timothy S C Hinks, Richard W Beasley, Jacob K Sont, Ewout W Steyerberg, Ian D Pavord

**PA1211** **Inflammatory Action of Exhaled Breath Condensate from Children with Severe Asthma on Cultures of Human Respiratory Epithelium: Mechanisms and Relationship with Clinical and Functional Characteristics**  
Carlos Tomás Velasco Suarez (Ciudad Autónoma Buenos Aires, Argentina), Andrea Dugour, Fernanda Elias, Marcela Roque, Doris Primrose, Magdalen Vocos, Gimena Donth Leger, Tania Florez Gonzalez, Gabriela Pelaez, Verónica Giubergia, Juan Manuel Figueroa

- PA1212** **Discrepancies in exhaled nitric oxide results at different flow rates and their correlation with peripheral and airway eosinophils**  
Min Zhang (Shanghai, China), Yanmei Lin, Wuping Bao, Lei Zhao, Xue Zhang, Yan Zhou, Yilin Pan, Yuning Huang, Yingying Zhang, Chengjian Lv, Jingwang Lin
- PA1213** **Effect of Overweight/Obesity on Relationship Between Fractional Exhaled Nitric Oxide and Airway Hyperresponsiveness in Chinese Elderly Patients with Asthma**  
Fengjia Chen (guangzhou, China), Zhimin Zeng, Yangli Liu
- PA1214** **Exhaled nitric oxide in asthma: relationship with blood eosinophils and total IgE**  
EUGERTA DILKA (Tirane, Albania), Artan Simaku, Perlat Kapisyzi
- PA1215** **Peripheral airway resistance and reactance are associated to symptom severity in asthmatic subjects**  
Georgia Papapostolou (Lund, Sweden), Abir Nasr, Kerstin Romberg, Linnea Jarenbäck, Jaro Ankerst, Leif Bjermer, Ellen Tufvesson
- PA1216** **Diagnostic testing in a population of symptomatic adults receiving ICS for presumed asthma.**  
Patrick Kerr (Dublin 8, Ireland), Ciara Ottewill, Margaret Gleeson, Vincent Brennan, Helen Doherty, Orla Smith, Elaine Mac Hale, Richard Costello
- PA1217** **Higher triglyceride-glucose index and lower type 2 inflammation are associated with increased risk of asthma exacerbations: a prospective cohort study**  
Ke Deng (chengdu, China), Ji Wang, Si Yang Gao, Gang Wang
- PA1218** **FENO stability in repeated measurements during three consecutive days and its association with environmental air pollution in asthma patients.**  
Juan José Ruiz Cubillan (Mogro Miengo, Spain), Juan Agüero Calvo, Andrea Expósito Monar, Ignacio Fernandez Olmo, Juan Luis García Rivero, Beatriz Abascal Bolado, Carlos Antonio Amado Diago, Maria Mercedes Hernando Hernando, José Manuel Cifrian Martinez, Miguel Santibañez Margüello
- PA1219** **FeNO variations and clinical response to biological drugs in severe asthma: A retrospective analysis**  
Claudio Candia (Naples, Italy), Dina Visca, Maria D'Amato, Cecilia Calabrese, Pasquale Ambrosino, Salvatore Fuschillo, Carmen Lombardi, Claudia Merola, Antonio Molino, Mauro Maniscalco
- PA1220** **Lung function provides better insight into the sex-related differences among severe asthmatics than biomarkers.**  
Elisa Bentivegna (firenze, Italy), Martina Marinato, Greta Insalata, Alberto Bracciali, Alessia Catalisano, Rubina Giulia Girolamo, Chiara Allegrini, Chiara Marzi, Federico Lavorini, Gianna Camiciottoli
- PA1221** **Diagnostic values of peripheral blood eosinophil count, fractional exhaled nitric oxide, and total serum IgE in eosinophilic asthma**  
Miaomiao Zhou (Xi'an, China), Jin He, Yun Liu
- PA1222** **Elevated fractional exhaled nitric oxide is prevalent in those with mild-to-moderate asthma with self-reported asthma control**  
Annemie Deiteren (Gent, Belgium), Nele Dervaux, Megan Hardin, Jason Maley, Naimish Patel, Selçuk Bas, Heribert W. Staudinger, Benjamin T. Suratt
- PA1223** **Cost effectiveness of using sputum differential cell count in chronic respiratory diseases**  
Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Paul Marsden, Jaclyn Smith, Stephen Fowler, Thomas Pantin
- PA1224** **Asthma Phenotypes and Endotypes in Uncontrolled Asthma and Eligibility Assessment for Biologics in Severe Asthma Subset: an Indian Perspective**  
Randeep Guleria (New Delhi (Delhi), India), Rahul Tyagi, Anant Mohan, Karan Madan, Vijay Hadda, Saurabh Mittal, Pavan Tiwari, Ravindra Mohan Pandey

PS-13

Session 135

12:30 - 14:00

**Poster session: Clinical chronic obstructive pulmonary disease I****Disease(s)** : Airway diseases Pulmonary vascular diseases**Method(s)** : General respiratory patient care Public health Pulmonary rehabilitation Epidemiology Physiology Pulmonary function testing Palliative care Imaging Cell and molecular biology**Tag(s)** : Clinical**Chairs** : Nicolas Roche (Paris, France), Christine Cramer (Aarhus, Denmark)

- PA1225** **Is Non-smoker COPD similar to Smoker COPD based on their oxidative damage?**  
Debkanya Dey (Kolkata (West Bengal), India), Debraj Roy, Sayoni Sengupta, Dipanjan Saha, Shuvam Ghosh, Sayanti Karmakar, Srijita Sen, Rajat Banerjee, Parthasarathi Bhattacharyya

PA1226	<b>Assessing Chronic Obstructive Pulmonary Disease Severity through Diaphragmatic Ultrasonography: A Comprehensive Exploration</b> Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euch, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri
PA1227	<b>Assessment of small airway dysfunction and symptoms in COPD</b> Nikolaos Lazarinis (Stockholm, Sweden), Amalia Panagiotou, Patricia Ramos Ramirez, Anna Ehlin, Anna Ridderby, Nikolaos Pournaras, Apostolos Bossios, Anders Lindén
PA1228	<b>Efficacy of bottle positive expiratory pressure (Bottle-PEP) therapy as adjunct to bronchodilators in stable COPD patients</b> Shakti Kumar Bal (Vellore (Tamil Nadu), India), Subho Sarkar, Manoj Kumar Panigrahi
PA1229	<b>Discordant airways obstruction – subjects in between spirometric definitions of COPD – an analysis of the CLARA Studies</b> Andreas Horner (Linz, Austria), Horst Olschewski, Sylvia Hartl, Arschang Valipour, Georg-Christian Funk, Michael Studnicka, Marcel Rowhani, Bernhard Kaiser, Eva Maria Wallner, Stephan Brecht, Bernd Lamprecht
PA1230	<b>Palliative care utilization in patients with severe COPD and its associations with end-of-life care</b> Ophir Freund (Tel Aviv, Israel), Neta Srer, Ariel Melloul, Boaz Tiran, Gil Bornstein, Lior Zornitzki, Amir Bar-Shai
PA1231	<b>Reducing CO2 and improving clinical delivery with novel study designs</b> wayne brailsford (Gothenburg, Sweden), Rod Hughes, Cecilia Kristensson, Jason Cooper, Caroline Jonstrand, Rebecka Pregmark Adolfsson, Daniel Öhman, Matthew Bonam, Magnus Jörnten-Karlsson, Paul Thomson, Eric Cole, Sana Ansari, Tatiana Scentinina, Stephen Baker
PA1232	<b>Development in employment status in patients with COPD from 1980-2018</b> Melina Gade Sikjær (Egå, Denmark), Ole Hilberg, Rikke Ibsen, Anders Løkke
PA1233	<b>Hyperinflation in COPD: which parameter best reflects clinical outcomes Measures?</b> Soumaya Khaldi (Borj Cedria, Tunisia), Khoulood Kchaou, Balsam Barkous, Sirine Jamli, Saloua Ben Khamsa Jameleddine
PA1234	<b>COPD in special populations- focus on younger and never-smoking patients from two Austrian real world studies</b> Eva Wallner (Vienna, Austria), Andreas Horner, Sylvia Hartl, Arschang Valipour, Georg-Christian Funk, Michael Studnicka, Marcel Rowhani, Bernhard Kaiser, Stephan Brecht, Bernd Lamprecht, Horst Olschewski
PA1235	<b>A clinical evaluation of small airways by ISO method in GVHD patients</b> Francesca Gonnelli (Ancona, Italy), Arianna Duro, Rosaria Argentina Scaffidi, Francesco Del Bello, Claudia Duranti, Attilio Olivieri, Giorgia Mancini, Federico Mei, Martina Bonifazi
PA1236	<b>Clinical characteristics and frequency of pulmonary embolism in patients followed with COPD</b> Övgü Velioglu Yakut (Ankara, Turkey), Öznur Yıldız
PA1237	<b>CT imaging in the severe COPD population; diagnostic usefulness and adherence to GOLD guidelines in the absence of a lung cancer screening programme</b> Anne-Marie Sweeney (Dublin, Ireland), Orla O'Carroll, Emer Kelly
PA1238	<b>Late Breaking Abstract - Electrical Impedance Tomography (EIT) determines the pulmonary ventilation heterogeneity in patients with normal and preserved ratio impairment of lung function</b> Huiqing Ge (Hangzhou (Zhejiang), China), Jiayi Li, Zhanqi Zhao
PA1239	<b>Health literacy and the relationship with disease severity in COPD: A cross sectional study</b> Hannah Clifton (London, United Kingdom), Lindsay Welch
PA1240	<b>Effectiveness of a Multidisciplinary COPD Respiratory Unit (MUCOPD). A retrospective study.</b> Elisabet Serra Amer (Palma de Mallorca, Spain), Adrián Rodríguez Rodríguez, Joaquin Monteagudo Rodríguez, Salvador Pons Vives, Antonia Fuster Gomila
PA1241	<b>Young COPD in the Swedish National Airway Register</b> Johanna Sulku (Gävle, Sweden), Oskar Wallström, Anne Lindberg, Lowie E.G.W. Vanfleteren, Caroline Stridsman
PA1242	<b>Prevalence of COPD overdiagnosis in ambulatory care and associated factors: cross-sectional study</b> Martin Fullana (San Juan, Argentina), Hernan Benito, Joaquin Maritano, Horacio Castro, Juan Precerutti, Graciela Svetliza
PA1243	<b>Making it count-identifying how healthcare professionals' contributions to COPD management can be impactful on the burden faced by people with COPD.</b> Kamila Abutalieva (Sydney, Australia), Sinthia Bosnic-Anticevich, Lars Dijk, Katherine Borg, Renate Kat, Bandana Saini, Lynn Cheong, Biljana Cvetkovski

- PA1244** **Specific causes of mortality in patients with chronic obstructive pulmonary disease – a prospective multicenter study.**  
Kristian Brat (Brno, Czech Republic), Michal Svoboda, Jaromir Zatloukal, Marek Plutinsky, Eva Volakova, Patrice Popelkova, Barbora Novotna, Tomas Dvorak, Vladimir Koblizek

PS-14

Session 136

12:30 - 14:00

## Poster session: Clinical asthma and severe asthma I

Disease(s) : Airway diseases Sleep and breathing disorders

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

Tag(s) : Clinical

Chairs : Fabio L. M. Ricciardolo (Torino, Italy), Antonio Spanevello (Milano, Italy)

- PA1245** **Inhaled corticosteroid/long-acting beta2-agonist (ICS/LABA) new-user analysis: identifying asthma-exacerbation/short-acting beta2-agonist (SABA) overuse-associated characteristics**  
Mohamed Hamouda (Dubai, United Arab Emirates), Jennifer Quint, Adrian Rendón, Richard Stanford, Bilun Gemicioglu, Leandro Fritscher, Watchara Boonsawat, Shireen Quli Khan

- PA1246** **Prevalence of obstructive sleep apnea and accuracy of type 3 home sleep apnea test for obstructive sleep apnea diagnosis in difficult-to-treat asthma**  
Tidarat Somruesen (Bangkok, Thailand), Naricha Chirakalwasan

- PA1247** **The relationship between asthma duration and FEV1 among distinct severe asthma phenotypes**  
Freda Yang (London, United Kingdom), Nazanin Zounemat-Kermani, Piers Dixey, Katrina Webb, Ian M Adcock, Chloe I Bloom, Kian Fan Chung

- PA1248** **Clinical characteristics of severe asthma patients in Europe, according to the percentage of GDP spent on healthcare – a SHARP-CRC study**  
Fabienne Jaun (Liestal, Switzerland), Aruna T. Bansal, Evangelia Fouka, Kjell Erik Julius Håkansson, Kristina Bieksiene, Arnaud Bourdin, Marcus Butler, Georgio W. Canonica, Zsuzsanna Csoma, Barbro Dahlén, Bilun Gemicioglu, Ineta Grisle, Liam Heaney, Enrico Heffler, Sanja Hromis, Piotr Kuna, Florin Mihălțan, Joerg Daniel Leuppi, Claudia Loureiro, Renaud Louis, Dora Lúðvíksdóttir, David Ramos-Barbon, Sanja Grle Popovic, Konstantinos Samitas, Vratislav Sedlak, Svetlana Sergejeva, Sabina Skrat, Anneke Ten Brinke, Valentyna Yasinska, Eleftherios Zervas, Florence Schleich, Celeste Porsbjerg, Apostolos Bossios

- PA1249** **Insomnia: a possible treatable trait in Severe Asthma?**  
Maria João Cavaco (Coimbra, Portugal), Manuela Oliveira, Sofia Pimentel, Sofia Alves, Luís Mateus, André Nunes, Ricardo Cordeiro, Carina Silvestre, Carla Cardoso, Aurora Bragança, Natália André, Paula Raimundo, Teresa Falcão

- PA1250** **Concordance between ERS, GINA and NICE guidelines for the diagnosis of asthma in adults**  
Andrew Simpson (Hull, United Kingdom), Ran Wang, Sarah Drake, Laura Healy, Hannah Wardman, Miriam Bennett, Clare Murray, Stephen Fowler, Angela Simpson

- PA1251** **FUNCTIONAL AND DIAPHRAGMATIC EFFECTS OF TRIPLE INHALED THERAPY BECLOMETHASONE DIPROPIONATE/FORMOTEROL FUMARATE/GLYCOPYRRONIUM IN PATIENTS WITH UNCONTROLLED ASTHMA**  
Antonio Maiorano (Catanzaro, Italy), Anna Ferrante Bannera, Chiara Lupia, Gianluca Ippolito, Antonio Giacalone, Nicola Montenegro, Daniela Pastore, Fioramante Lello Rotundo, Francesco Giuseppe Tropea, Pasquale Romeo, Chiara Piizzi, Corrado Pelaia, Girolamo Pelaia

- PA1252** **The Asthma Control Test is a poor measure of asthma control in a modern cohort of clinically uncontrolled asthma patients.**  
Patrick Kerr (Dublin 8, Ireland), Ciara Ottewill, Margaret Gleeson, Vincent Brennan, Helen Doherty, Orla Smith, Elaine Mac Hale, Richard Costello

- PA1253** **Comparison of asthma assessment tools to minimize overestimation of control**  
Bradley Elliott Chipp (Sacramento, United States), Kevin Murphy, David Beuther, Robert Wise, Joan Reibman, Maureen George, William Mc Cann, Ileen Gilbert, James Eudicone, Gale Harding, Karin Coyne, Robert Zeiger

- PA1254** **The level of vitamin D levels depends on the severity of asthma and age of onset.**  
Vladyslava Kachkovska (Sumy, Ukraine), Lyudmyla Prystupa, Anna Kovchun

- PA1255** **Impact and burden of T2-low severe asthma: Insights from the Greek PHOLLOW Study**  
Petros Bakakos (Athens, Greece), Konstantinos Porpodis, Nikolaos Zias, Konstantinos Kostikas, Argyris Tzouvelekis, Michael Makris, George N Konstantinou, Eleftherios Zervas, Stelios Loukides, Paschalis Steiropoulos, Maria Kipourou, Anastasios Palamidas, Aikaterini Syrigou, Dimosthenis Papapetrou, Nikolaos Tzanakis, Antonios Christopoulos, Fotios Psarros, Konstantinos Gourgoulialis, Eleni Tzortzaki, Stylianos K Vittorakis, Ioannis Paraskevopoulos, Ilias Papanikolaou, Georgios Krommidas, Dimitrios Latsios, Miltiadis Markatos, Angeliki Damianaki, Ilias Kainis, Argyrios Manikas, Alexia Chatzipetrou, Dimitrios Vourdas, Ioanna Tsiouprou, Christina Papista, Marina Bartsakoulia, Petros Galanakis



- PA1256 Small Airway Dysfunction in Adult Patients with Bronchial Asthma**  
Adivi Maheshwari (Raipur, India), Praveen Kumar Dubey, Rahul Kumar Rohit, Sajal De
- 
- PA1257 T2-low asthma and its reflection on clinical burden**  
Selin Ercan (Gothenburg, Sweden), Reshed Abohalaka, Pinja Ilmarinen, Lauri Lehtimäki, Saliha Selin Ozuygur Ermis, Daniil Lisik, Muwada Bashir Awad Bashir, Radhika Jadhav, Helena Backman, Göran Wennergren, Linda Ekerljung, Jan Lötval, Teet Pullerits, Madeleine Rådinger, Bright Nwaru, Hannu Kankaanranta
- 
- PA1258 Impact Of The 2022 Bronchodilator Responsiveness Criteria On Study Eligibility and Treatment Response To Inhaled Triple Therapy (BDP/FF/GB) In Moderate-To-Severe Asthma: A Post-Hoc Analysis Of TRIMARAN & TRIGGER.**  
Eva Topole (Ljubljana, Slovenia), Guy Brusselle, Alberto Papi, Dave Singh, Johann Christian Virchow, Giorgio Walter Canonica, Andrea Vele, George Georges
- 
- PA1259 Identification and tracking of patients with uncontrolled severe asthma in the Germans Trias i Pujol Hospital Health Area**  
Anna Núñez (Barcelona, Spain), Toni Zapata, Agnes Hernández, Ignasi Garcia Olivé, Alan Junior Solís, Maria Basagaña, Clara Padró, Antoni Rosell, Jorge Abad, Carlos Martínez
- 
- PA1260 A comparative analysis of asthma admission outcomes: Impact of asthma specialist nurse intervention**  
Syeda Humayra Islam (Birkenhead, United Kingdom), Helen James, Christine Perry, Hassan Burhan
- 
- PA1261 Pioneering Asthma Detection Campaign: Insights and Impact Assessment**  
Anahi Yañez (Ciudad Autónoma Buenos Aires, Argentina), Ana Stock, Silvana Monsell, Pablo Moreno
- 
- PA1262 Thunderstorm Asthma**  
Joshua Graeme-Wilson (Taunton, United Kingdom), Jessica Harrison, Adam Usher
- 
- PA1263 Examining the impact of an asthma e-proforma on vaccination rates: A focus on elderly individuals and chronic oral corticosteroid use**  
Dhiviya Ganesan (Galway, Ireland), Jack Rutherford, Lisa Duffy, Theresa Frawley, Una Cannon Fahy, Patrick O'Reilly, David Gallagher, Andrea A Holmes, Michael J Harrison, Ruth P Cusack
- 
- PA1264 Upper-airway symptoms are associated with cognitive impairment in patients with severe asthma**  
Andreas Lillieroth Bricaud (Copenhagen, Denmark), Andreas Elleby Jespersen, Charlotte Bernhoff, Nanna Dyhre-Petersen, Emillie Johanning Bari, Morten Winther Hvidtfeldt, Kasper Aanæs, Kamilla Woznica Miskowiak, Celeste Porsbjerg

PS-15

Session 137

12:30 - 14:00

Poster session: You are what you breathe: the impact of environmental factors on airways disease progression

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

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

Tag(s) : Translational

Chairs : Susanne Krauss-Etschmann (Borstel, Germany), Augusta Beech (Manchester, United Kingdom)

- PA1265 Integrative bacteriome-resistome of U-BIOPRED metagenomes reveals severe asthma cluster of multidrug resistant H. influenzae**  
Fransiskus Xaverius Ivan (Singapore, Singapore), Ali Versi, Mahmoud I Abdel-Aziz, Nazanin Zounemat Kermani, Sven-Erik Dahlen, Ratko Djukanovic, Anke-Hilse Maitland-Van Der Zee, Sanjay H Chotirmall, Peter H Howarth, Ian M Adcock, Kian Fan Chung
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- PA1266 Probiotics combined with prebiotics alleviated seasonal allergic rhinitis by altering the intestinal microbiota**  
Yun Liu (Xi'an, China), Yang'fan Hou
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- PA1267 Airway fungal and bacterial microbiota in allergic bronchopulmonary aspergillosis**  
Xi Chen (Beijing, China), Moqin Zhang, Yanliang Ma, Zhancheng Gao
- 
- PA1268 Phenotyping patients with Severe asthma: An enterotoxin-based approach**  
Pinelopi Schoini (Cholargos, Greece), Vasiliki Apollonatos, Myrto Blizou, Maria Sfika, Nektarios Koufopoulos, Emmanouil Liatsis, Periklis Foukas, Petros Bakakos, Stylianos Loukides
- 
- PA1269 Microbial metabolism 4-hydroxybenzoic acid protects against airway mucus secretion in ovalbumin-allergic mice**  
Yun Liu (Xi'an, China), Yang'fan Hou

PA1270	<b>Nasal colonization with <i>Staphylococcus aureus</i> associates with nasal polyps, toxin-sensitization and inflammation depending on aeroallergen-sensitization</b> Ilka Müller (Magdeburg, Germany), Sabine Stegemann-Koniszewski, Azin Münchhoff, Anke Lux, Eva Lücke, Jens Schreiber
PA1271	<b>Association between peripheral blood eosinophils count and mortality in respiratory infections</b> Einat Fireman Klein (HAIFA, Israel), Walid Saliba, Marc Humbert, Yochai Adir
PA1272	<b>Susceptibility to SARS-CoV-2 infection in a T2-biased experimental asthma model</b> Ariana Younes (Marburg, Germany), Sara Völkel, Thilo Berger, Alexandra Kupke, Reinhard Geßner, Harald Renz, Chrysanthi Skevaki
PA1273	<b>Late Breaking Abstract - Preceding allergic airway inflammation impacts epithelial differentiation processes in mouse lung-derived bronchial organoids</b> Holger Garn (Marburg, Germany), Annika Block, Kim Pauck, Laura Köhl, Ariana Carvalho, Melanie Bachl
PA1274	<b>Late Breaking Abstract - Long-term household air pollution profiles and novel cough subclasses in a middle-aged Australian cohort.</b> Jingwen Zhang (Melbourne, Australia), Jingwen Zhang, Caroline Lodge, Haydn Walters, Anne Chang, Michael Abramson, Chamara Senaratna, Xin Dai, Jennifer Perret, Shyamali Dharmage
PA1275	<b>Early antibiotic exposure and asthma prevalence up to early adulthood - a population-based cohort study</b> Ida Mogensen (Skarpnäck, Stockholm, Sweden), Melissa Ismaili, Sandra Ekström, Maria Ödling, Erik Melén, Anna Bergström, Inger Kull
PA1276	<b>The impact of an asthmatic Maternal Environment in Pregnancy (MEP) on mediators predisposing to development of early-life asthma.</b> Rana Abadalkareem (Southampton (Hampshire), United Kingdom), Fiona Walbridge, Monica Corcoles Fernadez, Laurie Lau, Nicole Vaughan-Spickers, Rhea Hampton, Kate Raney, Corinne Brown, Jane Forbes, Alexandra Kermack, Matthew A Coleman, Hans Michael Haitchi
PA1277	<b>Aerosolization of cat dander using robotic vacuum cleaners</b> Laura Haya (Ottawa, Canada), Suzanne Kelly, William Yang
PA1278	<b>Respiratory and nasal symptoms during live-cat versus milled cat hair exposure</b> Suzanne Kelly (Ottawa (ON), Canada), Laura Haya, William Yang
PA1279	<b>Association of annual polycyclic aromatic hydrocarbons (PAHs) exposure with cellular immune responses and yearly decline of lung function in asthma</b> Chun-Hua Wang (Taipei, Taiwan), Jung-Ru He, Sheng-Lun Wang, Lung-Hao Lee, Chon-Lin Lee, Kian Fan Chung
PA1280	<b>Thymic stromal lymphopoietin contributes to airway responses to ozone via dendritic cells</b> Hiroki Tashiro (Saga, Japan), Yuki Kurihara, Yuki Kuwahara, Shinya Kimura, Koichiro Takahashi
PA1281	<b>Exacerbation-Related Greenhouse Gas (GHG) Emissions of Severe Asthma Along The Care Pathway</b> Soram Patel (Luton, United Kingdom), Mina Khezrian, Alex Wilkinson, Eleni Rapsomaniki, Trung Tran, Kirsty Rhodes, Andrew Menzies-Gow, Hitasha Rupani, Jennifer Quint, Liam Heaney
PA1282	<b>Short-time risk of exacerbation of allergic rhinitis due to exposure air pollutants in 3 largest urban agglomerations in Poland</b> Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki, Agata Dąbrowiecka, Anna Piórkowska, Andrzej Chciałowski
PA1283	<b>Exercise induced asthma in waterpolo elite players</b> Biljana Lazovic (Beograd, Republic of Serbia)
PA1284	<b>Cigarette Smoke modulates microRNA expression in primary human alveolar macrophages.</b> Davida Mirra (Caserta, Italy), Giuseppe Spaziano, Renata Esposito, Francesca Panico, Fiorentina Roviezzo, Erika Cione, Luca Gallelli, Bruno D'Agostino

PS-16

Session 138

12:30 - 14:00

Poster session: Burden, determinants and management of COPD and COPD-related hospitalisation/mortality

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

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

Tag(s) : Clinical

Chairs : Judith Garcia-Aymerich (Barcelona, Spain), PP Hekking (Rotterdam, Netherlands)

- PA1285 Clinical characteristics preceding development of COPD**  
Ann Lindberg (Boden, Sweden), Tomi Myrberg, Caroline Stridsman, Linnea Hedman, Eva Rönmark, Helena Backman
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- PA1286 One-year mortality in patients with COPD across diagnostic settings – a registry study**  
Sebastian Buchardt (Højbjerg, Denmark), Ulla Weinreich, Peter Jacobsen
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- PA1287 Exacerbation and mortality in COPD patients on triple inhaler and at high exacerbation risk**  
Clementine Nordon (Cambridge, United Kingdom), Donna Carstens, Malin Fageras, Hana Mullerova, Amy Anderson, Phani Veeranki, Joao Andre Alves, Timothy Barnes, Meredith McCormack
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- PA1288 Characteristics of exacerbating COPD patients with productive cough and on inhaled triple therapy, by smoking status: a real-world multi-country study**  
Wim Janssens (Leuven, Belgium), Clementine Nordon, Emily Coak, Tia Pennant, George Bell, Hana Mullerova, Lynda Draffan, Joao Andre Alves, Malin Fagerås, Anthony De Soyza
- 
- PA1289 Perception of COPD control by physicians managing symptomatic exacerbating patients receiving inhaled triple therapy: a real-world multi-country 2022 survey**  
Tony De Soyza (Newcastle-upon-Tyne, United Kingdom), Clementine Nordon, Malin Fagerås, George Bell, Hana Mullerova, Tia Pennant, Lynda Draffan, Joao Andre Alves, Emily Coak, Wim Janssens
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- PA1290 COPD in never-smokers: risk factors, symptoms, and biomarkers. A follow-up of subjects from the population-based Swedish Cardiopulmonary Bioimage Study (SCAPIS)**  
Pernilla Sönnerrfors (Stockholm, Sweden), Petra Jacobson, Heléne Blomkvist, Anders Andersson, Leif Bjermer, Anders Blomberg, Jonas Erjefeldt, Andrei Malinovski, H. Lennart Persson, Ellen Tufvesson, Åsa Wheelock, Christer Janson, C. Magnus Sköld
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- PA1291 Recruiting never-smokers with COPD from the population-based Swedish Cardiopulmonary bioimage study (SCAPIS)**  
Pernilla Sönnerrfors (Stockholm, Sweden), Petra Jacobson, Heléne Blomkvist, Anders Andersson, Leif Bjermer, Anders Blomberg, Jonas Erjefeldt, Andrei Malinovski, H. Lennart Persson, Ellen Tufvesson, Åsa Wheelock, Christer Janson, C. Magnus Sköld
- 
- PA1292 PRISM is an independent risk factor for development of COPD**  
Tomi Myrberg (Södra Sunderbyn, Luleå, Sweden), Helena Backman, Caroline Stridsman, Linnea Hedman, Eva Rönmark, Anne Lindberg
- 
- PA1293 Changes in hospital admissions of COPD patients in Poland in 2006-2019 - epidemiological analysis of data from the nationwide public registry**  
Mateusz Jankowski (Warsaw, Poland), Bogdan Bochenek, Joanna Wiczorek, Marta Gruszczyńska, Adam Jaczewski, Jarosław Pinkas, Mariusz Figurski
- 
- PA1294 Twenty-year trends in excess costs of chronic obstructive pulmonary disease.**  
Mohsen Sadatsafavi (Vancouver (BC), Canada), Joseph Amegadzie, Amir Khakban, Jeenat Mehareen
- 
- PA1295 Frequent exacerbations, Asthma-COPD overlap (ACO) and emphysema phenotype characteristics in COPD real-world outpatients**  
Stephan Brecht (Vienna, Austria), Florian Vafai-Tabrizi, Ulrich Schwab, Georg-Christian Funk
- 
- PA1296 Healthcare costs of patients with COPD on maintenance inhaled therapies between 2011 and 2019 in Hungary**  
Brigitta Dombai (Budapest, Hungary), Viktória Nagy, István Ruzsics, Balázs Sánta, Zsófia Lázár
- 
- PA1297 Longitudinal influence of BMI and grey spaces on COPD in a general population sample**  
Ilaria Stanisci (Pisa, Italy), Sandra Baldacci, Anna Angino, Sara Maio, Giuseppe Sarno, Patrizia Silvi, Sofia Tagliaferro, Giovanni Viegi
- 
- PA1298 Feasibility of body plethysmography in a population based cohort study - The Hamburg City Health Study (HCHS)**  
Benjamin Waschki (Bad Segeberg, Germany), Dominik Löffers, Alena Haack, Mustafa Abdo, Raphael Twerenbold, Stefan Blankenberg, Elina Petersen, Klaus Rabe, Christina Magnussen
- 
- PA1299 Improving respiratory mortality in Europe; are some countries being left behind?**  
Leanne Cheng (London, United Kingdom), Justin D Saliccioli, Yueqi Ge, Fan Chung, Dominic C Marshall
- 
- PA1300 Influence of epidemiological methods on the estimates of respiratory disease prevalence in Italy**  
Giuseppe Verlatto (Verona (VR), Italy), Alessandro Marcon, Sara Maio, Federica Mellone, Pierpaolo Marchetti, Giovanni Viegi

**PA1301 Demographic profile, smoking, and respiratory diagnostics of social minorities – INSPIRE Program**  
THOMAZ VARGAS (Botucatu, Brazil), Robson Prudente, Mariana Dorna, Amanda Mendonça, Beatriz Corrêa, Bianca Costa, Bruno Araújo, Bruno Lima, Estefânia Franco, Felipe Silva, Gabriel Artiga, Gabriel Renó, Giovana Holouka, Gustavo Rios, Ivana Aguiar, Jéssica Geronutti, Jonathas Moraes, Larissa Molero, Leticia Ishimoto, Liana Coelho, Luís Brizola, Luiz Machado, Maércio Santos, Marília Machado, Matheus Callegari, Pâmela Dourado, Talita Cezare, Vinícius Gonçalves, Vinícius Maehara, Vitor Nishiyama, Erica Hasimoto, Suzana Tanni

**PA1302 Trends in initial pharmacological treatment of COPD in Dutch primary care: a real-world analysis**  
Guilherme Rodrigues (Aveiro, Portugal), Joana Antão, Qichen Deng, Karin M. A. Swart, Brenda N. Baak, Alda Marques, Frits M. E. Franssen, Martijn A. Spruit

**PA1303 Gender determinants of exacerbations in COPD patients: the French Palomb Cohort.**  
Nolwenn Jestin-Guyon (Bordeaux, France), El Hassane Ouailaya, Laurent Falque, Laurent Nguyen, Annaig Ozier, Alain Bernady, Emilie Berteaud, Julien Casteigt, Frédéric Le Guillou, Jean Moinard, Mohammed Staali, Cécilia Nocent, Mathieu Molimard, Chantal Raheison-Semjen

**PA1304 The economic and health burden of COPD in Western Europe through 2050: a scenario analysis based on two large data sources**  
Elroy Boers (Calgary, Canada), Angier Allen, Adam Benjafield, Atul Malhotra, Meredith Barrett

PS-17

Session 139

12:30 - 14:00

Poster session: Interstitial lung disease, infections and indoor air quality

Disease(s) : Airway diseases Interstitial lung diseases

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

Tag(s) : Clinical

Chairs : Isabella Annesi Maesano (Montpellier, France), James Baker (MANCHESTER, United Kingdom)

**PA1305 Farmers lung in a cohort with chronic Hypersensitivity Pneumonitis in Southern Italy**  
Francesca Paola Iannone (Naples, Italy), Antonella Pezone, Giuseppe Simonetti, Domenico Cristiano, Alessandro Saglia, Anna Agnese Stanziola

**PA1306 Epidemiology of occupational hypersensitivity pneumonitis in the UK: an update from the SWORD scheme**  
Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Rheanna Pereira, Laura Bryne, Melanie Carder, Zipporah Iheozor-Ejiofor, Matthew Gittins, Martie Van Tongeren, Christopher Barber

**PA1307 Real-world use of Exposure Screening Questionnaires in Occupational & Interstitial Lung Disease clinics in Birmingham, UK**  
Kimberley Nettleton (Birmingham (West Midlands), United Kingdom), Christopher C. Huntley, Gareth I. Walters, P. Sherwood Burge

**PA1308 Air pollution, HIV and mortality**  
Nicole Robertson (Baltimore, United States), Jacquie Astemborski, Kirsten Koehler, Gregory Kirk, Megan Wilks, Meredith McCormack, Sarath Raju

**PA1309 The association between smoking and recurrent SARS-CoV-2 PCR positivity in healthcare workers: preliminary results**  
Selin Çakmakçı Karakaya (Ankara, Turkey), Ahmet Uğur Demir, Alpaslan Alp

**PA1310 Association between short-term exposure to fine particle air pollution and COVID-19**  
Össur Ingi Emilsson (Uppsala, Sweden), Andreas Tornevi, Bertil Forsberg, Christer Janson, Andrei Malinowski, Josef Järhult, Mathias Holm, Sven-Erik Dahlen, Lars Modig

**PA1311 Associations of PM2.5 exposure with long COVID severity: insights from the P4O2 COVID-19 study**  
Laura Houweling (Utrecht, Netherlands), Lizan Bloemsma, Judith Holtjer, Eveline De Waard, Emma Gijsbers, Roel Vermeulen, Anke-Hilse Maitland-Van Der Zee, George Downward

**PA1312 Effect of air pollution and pollen on asthma and pneumonia : using big data of south Korean health-care records**  
Gwang-Cheon Jang (Goyang, Republic of Korea), Seung-Yun Jeon, Young-Jin Choi, Jae-Won Oh

**PA1313 Aerosol emissions during speech and whispering among 41 professional and semi-professional singers**  
Enni Sanmark (Helsinki, Finland), Anna Tuhkuri-Matvejeff, Ahmed Geneid, Sampo Saari, Ville Vartiainen

**PA1314 Air pollution, lung function, and respiratory symptoms in the MACS and WIHS**  
May-Lin Wilgus (WOODLAND HLS, United States), Andrew Edmonds, Kayleigh Keller, Jessica Elf, Alison Abraham, Surya P. Bhatt, Mardge Cohen, Roger Detels, M. Bradley Drummond, Margaret A. Fischl, Robert Foronjy, Dean Hosgood, Ken Kusinaki, Deepa Lazarous, Meredith McCormack, Alison Morris, Sarath Raju, Catalina Ramirez, Jaqueline Rudolph, Valentina Stosor, Donald Tashkin, Sheri Weiser, Gina Wingood, Igor Barjaktarevic

- PA1315** **Late Breaking Abstract - Association between Volatile Organic Compounds (VOCs) concentrations in daycares and child wheeze in the French CRESPI cohort**  
Ioannis Sakellaris (Villejuif Cedex, Paris, France), Corinne Mandin, Franziska Bright, Flore Amat, Pierre Bonnet, Valérie Siroux, Nicole Le Moual, Oriane Dumas
- PA1316** **Prenatal and lifetime exposure to pets and development of allergic rhinitis in the first 12 years of life**  
Maritta S. Jaakkola (Oulu, Finland), Inês Paciência, Aino K. Rantala, Jouni J.K. Jaakkola
- PA1317** **Knowledge, attitude and practices about air pollution amongst 1682 adults living in urban slums and rural area in Pune city in India.**  
Sundeep Santosh Salvi (Pune (Maharashtra), India), Monica Barne, Sapna Madas, Vandana Das, Monika Dhawale, Ashfaqe Shaikh, Prasad Shinde, Asmita Gaikwad, Abhishek Sabale
- PA1318** **Clearing the Air: Indoor and outdoor PM2.5 exposure in Moderate-Late Preterm Infants**  
Kishan Tsang (Rotterdam, Netherlands), Jayanti Pos, Angelique Hoffman-Haringsma, Marielle Pijnenburg, Gardien Tramper-Stranders, Ismé De Kleer
- PA1319** **MicroAlgae Technology (MAT): Transformative advancements for optimal indoor air quality in workspaces**  
Maria Fernanda Parra (Switzerland, Switzerland), Bettina Reiterer, Marco Poletto, Claudia Pasquero
- PA1320** **COVID-19 DISEASE AND VACCINE COVERAGE IN HEALTH PROFESSIONALS: A PROSPECTIVE MONOCENTRIC STUDY**  
EMMANOUIL VERYKAKIS (Athens, Greece), Georgia Kontonasiou, Christos Papazoglou, Argiri Petsa, Anna Karakatsani
- PA1321** **What is the state of housing for paediatric respiratory patients attending clinic?**  
Charlie Moorcroft (London, United Kingdom), Abigail Whitehouse, Jonathan Grigg
- PA1322** **Collaborative sharing of health and social housing data in a population health management (PHM) platform to prioritise repair work for damp and mould (DM).**  
Kay Roy (London, United Kingdom), Harriet North, Mahnaz Shaukat, Gayathri Balasubramaniam, Jessica Sheringham
- PA1323** **COVID-19 patient age and disease severity are variables associated to a higher frequency of airborne SARS-CoV-2 detection**  
Gabriel Escarrer-Garau (Palma de Mallorca, Spain), Laura Arbona-González, Joan Truyols-Vives, Antoni Colom-Fernández, Nuria Toledo-Pons, Pablo Arturo Fraile-Ribot, Miguel David Ferrer-Reynés, Herme Garcia-Baldovi, Ernest Sala-Llinàs, Josep Mercader-Barceló
- PA1324** **Factors associated with hybrid immunity in healthcare workers infected with COVID 19**  
Lilia Bouajina (Kairouan, Tunisia), asma gaddour, Amani Kacem, Sana Hatmani, Rahma Ben Jazia, Imen Kharrat, Anis Maatallah, Dhouha Ben Braiek, Yosri Ben Ali, Hend Zorgati, Oussema Saadaoui, Jihene Ayachi, Asma Chouchene

PS-18

Session 140

12:30 - 14:00

## Poster session: Severe paediatric asthma and inflammation monitoring

Disease(s) : Airway diseases

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

Tag(s) : Clinical

Chairs : Christina Bal (Wien, Austria), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

- PA1325** **Older age, allergy and uncontrolled disease associate with elevated FeNO in childhood asthma**  
Maria Ödling (Stockholm, Sweden), Frida Strömberg Celind, Kjell Alving, Jon Roald Konradsen, Caroline Stridsman
- PA1326** **Predictors of asthma control in severe paediatric asthma**  
Yoni Van Dijk (Badhoevedorp, Netherlands), I. Verkuijl, N.W.P. Rutjes, S. Hashimoto, K. Golebski, F. Vermeulen, B.E. Van Ewijk, S.W.J. Terheggen-Lagro, A.H. Maitland-Van Der Zee, S.J.H. Vijverberg
- PA1327** **Developing a quality of life outcome measure for paediatric severe asthma: a field-testing survey**  
Anna Rattu (Southampton, United Kingdom), Stephanie Easton, Courtney Coleman, Clare Williams, Valeria Ramiconi, Graham Roberts
- PA1328** **Implementation of Digital Smart Inhalers (DSI) to monitor adherence in Children and Young People (CYP) attending a difficult asthma service**  
Alison Claydon (Leicester, United Kingdom), Latricia Pawlick, Eliza Trim, David Lo, Manisha Ramphul, Erol Gaillard



- PA1329** **Prevalence of psycho-social factors in Children with Problematic Severe asthma (PSA) referred to a tertiary centre for consideration of a biologic**  
Pippa Hall (London, United Kingdom), Samantha Sonnappa, Andrew Bush, Sejal Saglani, Rachael Moore-Crouch, Claire Jackman, Louise Fleming
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- PA1330** **Small Airway Involvement in Pediatric Severe Asthma: Association with Clinical and Functional Characteristics**  
Carlos Tomas Velasco Suarez (Ciudad Autónoma Buenos Aires, Argentina), Marcela Roque, Doris Primrose, Magdalena Vocos, Gimena Donth Leger, Tania Florez Gonzalez, Gabriela Pelaez, Verónica Giubergia, Juan Manuel Figueroa Turienzo
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- PA1331** **Extra pulmonary treatable traits in a paediatric problematic severe asthma (PSA) population**  
Rachael Moore Crouch (London, United Kingdom), Pippa Hall, Louise Fleming
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- PA1332** **CT scans in children with severe asthma with and without persistent airflow limitation**  
Rohit Lawrence (London, United Kingdom), Thomas Semple, Sejal Seglani, Andrew Brush, Louise Fleming
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- PA1333** **Do biologics improve health outcomes in children with severe asthma? – A longitudinal cohort study**  
Shirley Quach (Concord, Canada), Mika L. Nonoyama, Theo Moraes, Yaron Finkelstein, Susan Balkovec, Padmaja Subbarao, Teresa To
- 
- PA1334** **Blood cells ratios and assessment of asthmatic children who stopped omalizumab.**  
Simone Foti Randazzese (Messina, Italy), Lucia Caminiti, Francesca Galletta, Antonella Gambadauro, Giuseppe Crisafulli, Sara Manti
- 
- PA1335** **Proinflammatory action of Exhaled Breath Condensate in children with severe asthma: Predictive value for exacerbations.**  
Veronica S Giubergia (Olivos (Prov. De Buenos Aires), Argentina), Gabriela Peláez, Fernanda Elias, Andrea Dugour, Carlos Tomas Velasco Suarez, Marcela Roque, Magdalena Vocos, Doris Primrose, Tania Florez Gonzalez, Maria Cristina Gimena Donth Leger, Juan Manuel Figueroa Turienzo
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- PA1336** **A prospective trial comparing two handheld devices to measure fractional exhaled nitric oxide to the “gold-standard-technique”.**  
Leo Thanikkel (Aesch-Zh, Switzerland), Andreas Vogt, Srdjan Micic, Nadja Delliehausen, Alexander Möller
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- PA1337** **Association of blood inflammatory endotypes and asthma burden in moderate-to-severe pediatric asthma**  
Amir Hossein Alizadeh Bahmani (Amsterdam, Netherlands), Susanne J.H. Vijverberg, Simone Hashimoto, Christine Wolff, Catarina Almqvist, Lizan D. Bloemsma, Susanne Brandstetter, Paula Corcuera-Elosegui, Mario Gorenjak, Susanne Harner, Anna M. Hedman, Michael Kabesch, Leyre López-Fernández, Aletta D. Kraneveld, Anne H. Neerincx, Maria Pino-Yanes, Uroš Potočnik, Olaia Sardón-Prado, Barbara S Dierdorff, Tamara Dekker, Nariman K. A. Metwally, Jan Willem Duitman, René Lutter, Paul Brinkman, Mahmoud I. Abdel-Aziz, Anke H. Maitland-Van Der Zee
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- PA1338** **The prevalence of breathing pattern disorders in a tertiary paediatric severe asthma clinic.**  
Clare-Louise Chadwick (London, United Kingdom), Adam Lawton, Atul Gupta, James Cook
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- PA1339** **Fatigue in Dutch children with severe asthma: an under recognized symptom**  
Yoni Van Dijk (Badhoevedorp, Netherlands), S.J.H. Vijverberg, V.S.L. Keuker, N.W.P. Rutjes, S. Hashimoto, K. Golebski, B.E. Van Ewijk, S.W.J. Terheggen - Lagro, A.H. Maitland - Van Der Zee
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- PA1340** **Association of corticosteroid inhaler type with saliva microbiome in moderate-to-severe pediatric asthma**  
Amir Hossein Alizadeh Bahmani (Amsterdam, Netherlands), Mahmoud I. Abdel-Aziz, Simone Hashimoto, Corinna Bang, Susanne Brandstetter, Paula Corcuera-Elosegui, Andre Franke, Mario Gorenjak, Susanne Harner, Michael Kabesch, Parastoo Kheiroddin, Aletta D. Kraneveld, Leyre López-Fernández, Anne H. Neerincx, Maria Pino-Yanes, Uroš Potočnik, Olaia Sardón-Prado, Antoaneta A. Toncheva, Christine Wolff, Susanne J.H. Vijverberg, Anke H. Maitland-Van Der Zee
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- PA1341** **Asthma as a common pulmonary manifestation in children with ANCA associated vasculitis**  
Alireza Eshghi (Tehran, Islamic Republic of Iran)
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- PA1342** **Written asthma action plans versus real-life use of short-acting beta-agonists by children with asthma and their families: a multicentre, prospective, observational study**  
David Drummond (Paris, France), Apolline Gonsard, Alexandra Masson, Pierrick Cros, Clémence Mordacq, Camille Cisterne, Charlotte Roy, Johan Personnic, Clément Poirault, Rola Abou Taam, Alice Hadchouel, Alexandra Pirojoc, Christophe Delacourt, Lisa Giovannini-Chami
- 
- PA1343** **Late Breaking Abstract - Prediction of asthma in early-life: an individual participant data meta-analysis of 135,000 European and Australian children.**  
Tarik Karamass (Rotterdam, Netherlands), Demetris Avraam, David Van Klaveren, Ferran Ballester, Henrique Barros, Eva Corpeleijn, Blandine De Lauzon-Guillain, Ana Esplugues, Mònica Guxens, Rae-Chi Huang, Marianna Karachaliou, Leire Luque, Anne-Marie Nybo Anderson, Angela Pinot De Moira, Maja Popovic, Theano Roumelotaki, Loreto Santa Marina, Susana Santos, Muriel Tafflet, Judith M. Vonk, Martine Vrijheid, Marieke Welten, Vincent Jaddoe, Liesbeth Duijts

**PA1344** **Late Breaking Abstract - Features of asthma course in children during wartime in Ukraine**  
Viktoriia Dzisiak (Kyiv, Ukraine), Tetiana Umanets, Ura Bondarenko, Tetiana Harashenko, Antonina Buratinska, Viktoriia Khomenko

PS-19

Session 141

12:30 - 14:00

**Poster session: Evaluation of sleep with or without non-invasive ventilation and lung function in children**

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

**Method(s) :** Physiology General respiratory patient care Pulmonary function testing Imaging Epidemiology Public health

**Tag(s) :** Clinical

**Chairs :** Stijn Verhulst (Antwerpen, Belgium), Ruth Urbantat (Berlin, Germany)

**PA1345** **Methacholine pre-test asthma probability score in paediatric population**  
Tahani Ibrahim (FONTENAY SOUS BOIS, France), Marie Claude Laroocca, Houda Saleh-Guillo, Marc Koskas, Noria Medjahdi, Lucia Maingot-Sandu, Nicole Beydon

**PA1346** **Exercise-induced bronchodilation (EIBd) in children undergoing Exercise-Induced Bronchoconstriction test (EIB) affects its interpretation**  
Elvira Rizza (Torino, Italy), Manuela Goia, Anna Folino, Laura Barrocu, Cinzia Ferrero, Giulia Di Natale, Lorenzo Appendini, Irene Esposito

**PA1347** **Effect of expressing sRaw reversibility relative to baseline or predicted values in children**  
Nicole Beydon (Paris, France), Houda Saleh-Guillo, Marc Koskas, Lucia Maingot, Noria Medjahdi, Marie-Claude La Rocca, Jessica Taytard

**PA1348** **Bronchodilator response in a Pediatric population: Clinical and functional profile of the discordant group between GINA and ATS-ERS guidelines**  
Balsam Barkous (ARIANA, Tunisia), Fatma Guezguez, Sonia Rouatbi, Helmi Ben Saad

**PA1349** **Suitability and acceptability of a new method of exhaled breath sampling using a highly porous carbon material in children**  
Agnieszka Jarosinska (Katowice, Poland), Grzegorz Brożek, Jadwiga Gabor, Kamil Barański, Małgorzata Farnik, Anna Kłeczek, Szymon Skoczyński, Jarosław Paluch, Andrzej Swinarew

**PA1350** **Forced oscillation technique for monitoring of respiratory function in children with neuromuscular disease**  
Magdalena Smolkova (Cambridge, United Kingdom), Matthew Rose, Theofilos Polychronakis

**PA1351** **Feasibility and Inter-Test Reproducibility of Lung Clearance Index and Slow Vital Capacity in Children with Neuromuscular Disorders**  
Jenny Lam (Perth, Australia), Grace Pettigrew, Adelaide Withers, Jacquelyn Zirbes, Mymy Buu, Carlos Milla, Andrew Wilson

**PA1352** **Frequency and Characteristics of Sleep Apnea Syndrome in Pediatric Patients with Duchenne Muscular Dystrophy**  
Burcu Çapraz Yavuz (Ankara, Turkey), Sibel Öz Yıldız, Halime Nayir Büyüksahin, Erhan Ozel, Nagehan Emiralioğlu Ordukaya, Hayrettin Hakan Aykan, Ebru Yalçın, Deniz Doğru, Emine Nural Kiper, Ülkühan Öztoprak, Dilek Yalınizoğlu, Göknur Haliloğlu, Uğur Özçelik

**PA1353** **Adapted binning method for assessing pulmonary ventilation and perfusion distribution in children using lung matrix pencil decomposition (MP)-MRI**  
Marion Curdy (Bern, Switzerland), Carmen Streibel, Oliver Bieri, Florian Wyler, Elisabeth Kieninger, Grzegorz Bauman, Philipp Latzin

**PA1354** **Novel single-lead electrocardiogram-derived respiratory rate estimation in children with obstructive sleep apnea**  
Kanchan Kulkarni (Pessac, France), Ava Adli, John H. Nichols, Jesse D. Roberts Jr., Amaël Mombereau, Vladimir Sobota, Laura R. Bear, Olivier Bernus, Richard D. Walton

**PA1355** **The awake resting breathing and thoraco-abdominal pattern in children with achondroplasia**  
Antonella LoMauro (Milano (MI), Italy), Gabriella Tringali, Alessandro Sartorio, Andrea Aliverti

**PA1356** **Oxygenation and ventilation parameters in children with Prader-Willi syndrome without or with growth hormone treatment.**  
Doxa Kotzia (Athens, Greece), Anastasia Polytarchou, Angeliki Moudaki, Georgia Koltsida, Christina Kanaka-Gantenbein, Athanasios G. Kaditis

**PA1357** **Role of Mometasone Furoate as medical therapy in children with obstructive sleep apnea and adenoid hypertrophy**  
Melania Evangelisti (Roma (RM), Italy), Giacomo Ciacca, Giampietro Ricci, Maria Cristina Cristi, Pasquale Parisi

- PA1358 Management of obstructive sleep-disordered breathing type 1 in children and adolescent – a french consensus**  
Guillaume Aubertin (Paris, France), Mohamed Akkari, Annick Andrieux, Claire Colas Des Francs, Brigitte Fauroux, Patricia Franco, Frédéric Gagnadoux, Olivier Gallet De Santerre, Bruno Grollemund, Sarah Hartley, Dany Jaffuel, Lafond Lionel, Carmen Schröder, Cyril Schweitzer, Christelle Charley-Monaca
- PA1359 A new automated method to define clinically relevant pediatric sleep apnea phenotype**  
Karla Margarita Cordero Camacho (Valladolid (Valladolid), Spain), Javier Gomez-Pilar, Pedro Pereira-Rodrigues, Daniela Ferreira-Santos, Claudia Beigveder Durante, Tomás Ruiz Albi, Daniel González Alvarez, David Gozal, Gonzalo C. Gutiérrez-Tobal, Roberto Hornero, Félix Del Campo
- PA1360 Ventilator data: An adjunct to cardiorespiratory sleep study (CRSS) in monitoring children on long term non-invasive ventilation (LT-NIV)**  
Chu-Hai Wong (Birmingham, United Kingdom), Ciaran Mcardle, Benjamin Davies, Satish Rao, Prasad Nagakumar, Priti Kenia
- PA1361 Can Nocturnal Oximetry Parameters Differentiate Infants Without and With Upper Airway Obstruction?**  
Athanasios G. Kaditis (Athens, Greece), Anastasios-Panagiotis Chantzaras, Maria Eleni Liagkaki, Angeliki Moudaki, Anastasia Polyarchou, Georgia Koltsida, Christina Kanaka-Gantenbein
- PA1362 Video-respiratory polygraphy for the diagnosis of obstructive sleep apnea in children**  
Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France), Yacine Touil, Laurianne Coutier, Sofia Da Mota, Patricia Franco, Cyril Schweitzer
- PA1363 Autonomic dysfunction among overweight children with sleep-disordered breathing**  
Elpis Hatziagorou (Thessaloniki, Greece), Athina Sopiadou, Theodoros Samaras, Apostolos Nikopoulos, Evangelia Kouidi, Elisavet-Anna Chrysochoou, Kiriaki Tsiroukidou, Athanasios G. Kaditis
- PA1364 Prevalence and associations of sleep disordered breathing in children with neuromuscular disorders.**  
Adelaide Lindsay Withers (Bayswater, Australia), Jenny Lam, Grace Pettigrew, Jenny Downs, Sean Deegan, Leanne Gauld, Jacquelyn Spano, Carlos Milla, Mymy Buu, Kirrily Filmer, Andrew Wilson

**PS-2** **Session 142** **12:30 - 14:00**

**Poster session: Physiotherapy and physiology in chronic respiratory disease**

**Disease(s) :** [Airway diseases](#) [Respiratory critical care](#) [Pulmonary vascular diseases](#) [Sleep and breathing disorders](#)

**Method(s) :** Pulmonary rehabilitation General respiratory patient care Pulmonary function testing Respiratory intensive care  
**Physiology**

**Tag(s) :** Clinical

**Chairs :** Molly M Baldwin (Leicester, United Kingdom), Patrícia Filipa Sobral Rebelo (Trancoso, Portugal)

- PA1365 Benefits of ambulatory oxygen during physical activity in patients with COPD who desaturate only during exercise**  
Ingegerd Margareta Emtner (Uppsala, Sweden), Christer Janson, Kjell Larsson, Richard Casaburi, Milla Katajisto, Maria Nykvist, Andreas Palm, Annelie Behndig, Karin Wadell
- PA1366 COPD and physical activity – a 2-year follow-up of the TIE study**  
Marieann Högman (Uppsala, Sweden), Henrik Johansson, Andrei Malinovschi, On Behalf Of Tie-Study Group
- PA1367 Synchronization and Performance of Portable Oxygen Concentrators in Pulsed Oxygen Therapy**  
Marius Lebret (ROUEN, France), Roberto Martinez Alejos, Karima Joly, Maxime Patout, Emeline Fresnel
- PA1368 Laboratory investigation into the effect of flow rate on the performance of four oscillating positive expiratory pressure (OPEP) devices: Does mechanism of action matter and considerations for clinical relevance**  
Jason Suggett (London (ON), Canada), Rob Costa, David Sydor
- PA1369 Initial results on the efficacy of thoracic vibratory therapy by electrostimulation. Phase 2. The ELECTROVEST study**  
Maria Del Pilar Cejudo Ramos (Sevilla, Spain), Rafael Rivilla Rivilla, Erian Roque Betancourt, Rosa Vázquez Sánchez, Inmaculada Ortiz Molina, Borja Bonail Acuña, A Yosvani Méndez Alonso, Mar Elena, Sergio Tejero Garcia, Fernando Diaz Gutierrez, Esther Quintana Gallego, Miguel Angel Giráldez Sánchez
- PA1370 Regional lung ventilation distribution before and after airway clearance therapy in kartagener syndrome: a case report**  
Shirley Campos (Recife (PE), Brazil), José R. R. Silva, Karine D. Silva, Fernanda C. Alves, Elaine Araújo, Larissa M. B. Silva, Andrezza L. Bezerra, Caio C. A. Morais, Emanuel F. F. Silva Júnior, Lívia G. M. S. Mesquita, Rômulo A. C. Lins
- PA1371 Comparison of device-assisted physiotherapy and traditional physiotherapy on lung function in patients with primary ciliary dyskinesia**  
Dilber Ademhan Tural (Ankara, Turkey), Nagehan Emiralioglu, Beste Özsezen, Birce Sunman, Halime Büyüksahin, Ismail Guzelkas, Kubra Kılıc, Naciye Vardar Yagli, Ebru Yalcin, Deniz Dogru, Nural Kiper, Ugur Ozcelik

PA1372	<b>Clinical experience in the management of patients with bronchiectasis and other pulmonary pathologies with bronchial hypersecretion.</b> Joanna Miłkowska-Dymanowska (Łódź, Poland), Aleksander Kania, Szczegielniak Jan, Milena Myszkiewicz, Paulina Katarzyńska, Katarzyna Bogacz, Lauren Morin, Wojciech J. Piotrowski
PA1373	<b>National Survey on Pediatric Respiratory Physiotherapy Units: Primary Ciliary Dyskinesia and Non-CF Bronchiectasis</b> Beatrice Tani (Roma, Italy), Nicola Ullmann, Paola Leone, Alessandra Boni, Eugenio Barbieri, Matteo D'Angelo, Sara De Dominicis, Beniamino Giacomodonato, Stefania Monduzzi, Irene Piermarini, Chiara Pizziconi, Beatrice Ferrari, Renato Cutrera
PA1374	<b>Effectiveness of physiotherapy modalities on persisting dyspnoea following SARS-CoV-2 infection: a systematic review and meta-analysis</b> Christophe Romanet (Paris, France), Johan Wormser, Marine Cachanado, Maria Granados Santiago, Gilles Chatellier, Marie Carmen Valenza, François Philippart
PA1375	<b>A newly-developed negative pressure ventilation (NPV) applied to patients with chronic obstructive pulmonary disease (COPD)</b> Te Fang Sheng (Taoyuan, Taiwan), Hung-Yu Huang, Jih-Kah Chen, Kian Fan Chung, Chun-Hua Wang
PA1376	<b>Analysis of vascular reactivity by near-infrared spectroscopy and the 6-minute walk test in patients after hospitalization for covid-19</b> Luara Inocência (Campinas - SP, Brazil), Bruna Scharlack Vian, Giovani Grisotti Martins, Mônica Corso Pereira, Rickson Coelho Mesquita, Ligia Dos Santos Roceto Ratti
PA1377	<b>Effects of the Air Stacking technique on vital capacity and peak cough flow after 3 months of training in people with tetraplegia</b> Gonzalo Monge (Santiago, Chile), Matías Otto-Yañez, Erico Segovia, Tamara Muñoz, Roberto Vera-Urbe, Vanessa Resqueti, Rodrigo Torres-Castro
PA1378	<b>Hypertension may increase neural respiratory drive at rest and at maximal voluntary ventilation</b> Íllia Nadinne Lima (Parnamirim, Brazil), Andressa Vallery Cavalcante, Jéssica Danielle Fonseca, Lucien Peroni Gualdi, Helen Rainara Cruz, João Pedro Silva, Saint-Clair Bernardes Neto
PA1379	<b>Evaluation of care burden, coping with family stressors and problem solving skills of parents of patients with tracheostomy</b> Nilgun Kula (Ankara, Turkey), Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Şebnem Soysal, Volkan Medeni
PA1380	<b>Non-Invasive Ventilation In Myotonic Dystrophy Type 1: Road To Compliance Predictive Models</b> Carola Rita Ferrari Aggradi (Milan, Italy), Andrea Lizio, Alice Zanolini, Giovanni Colacicco, Elisabetta Roma, Antonino Iannello, Elisa De Mattia, Valeria Ada Sansone
PA1381	<b>Breathing better, moving better: The benefits of inspiratory muscle training on balance and gait in severe COPD patients</b> Alexandru Florian Crisan (Timisoara (Timis), Romania), Camelia Pescaru, Adelina Maritescu, Vlad Carunta, Cristian Oancea, Emanuela Vastag
PA1382	<b>Oxygen uptake efficiency, chronotropic incompetence and abnormal heart rate recovery during exercise in individuals with metabolic syndrome</b> Mehmet Fatih Sanver (Kütahya, Turkey), Hilal Uyar, Melda Sağlam, Ebru Calik Kutukcu, Oguz Abdullah Uyaroglu, Murat Ozdede, Mine Durusu Tanriover, Naciye Vardar Yagli
PA1383	<b>Study on the therapeutic effect and mechanism of different intensities of exercise training on alleviating MCT induced pulmonary hypertension in rats</b> Ye Wang (Beijing, China), Hongmei Zhao, Chen Wang
PA1384	<b>The effect of airway clearance technology by Simeox device on quality of life of patients COPD and secondary bronchoectasis.</b> Oleksandr Varunkiv (Vovchynets, Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Iryna Savelikhina, Kostiantyn Shvets, Ulina Shevchuk, Alla Zuban

PS-20

Session 143

12:30 - 14:00

Poster session: Exploring paediatric respiratory health amidst pandemic challenges: insights from multicentre studies and clinical trials

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

**Chairs :** Nadine Freitag (Krefeld, Germany), Steve Cunningham (Edinburgh (Scotland), United Kingdom)

<b>PA1385</b>	<b>Hanging on to Oxygen..the usual suspects</b> Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Emily Hayes, Kelechi Ugonna
<b>PA1386</b>	<b>Randomized, prospective, single-center, open study on preventing RSV-mediated respiratory sequelae in preterm newborns</b> Sara Manti (Messina (ME), Italy), Federica Xerra, Simone Foti Randazzese, Ester Maria Cavalli, Francesca Galletta, Alessandro Manganaro, Paolo Manzoni, Eloisa Gitto
<b>PA1387</b>	<b>Bronchiolitis and subsequent wheezing: role of neutrophils</b> Laura Petrarca (Roma (RM), Italy), Antonella Frassanito, Raffaella Nenna, Maria Giulia Conti, Greta Di Mattia, Luigi Matera, Enrica Mancino, Francesca Pulcinelli, Domenico Paolo La Regina, Alessandra Pierangeli, Enea Bonci, Fabio Midulla
<b>PA1388</b>	<b>Elevated neutrophilic activation in infants hospitalized for bronchiolitis correlates with clinical severity</b> Raffaella Nenna (Rome, Italy), Antonella Frassanito, Maria Giulia Conti, Greta Di Mattia, Enrica Mancino, Francesca Pulcinelli, Fabiola Del Parco, Laura Petrarca, Camilla Moliterni, Tuba Rana Caglar, Enea Bonci, Roberta Misasi, Fabio Midulla
<b>PA1389</b>	<b>Prevalence and susceptibility of respiratory pathogens in inpatient and outpatient children in the Kyrgyz Republic: First data from Central Asia</b> Nargiza Osmonbaeva (Bishkek, Kyrgyzstan), Aidai Erkinbaeva, Aigerim Tilebalieva, Elvira Isaeva, Raisa Tolobekova, Meerim Zhaparova, Nargiza Satkynbaeva, Erkingul Baltabaeva, Nikolai Søren Kirkby, Christian Salgård Jensen, Jesper Kjærgaard, Jørgen Kurtzhals, Joakim Bloch, Talant Sooronbaev
<b>PA1390</b>	<b>Increasing incidence of the complicated pneumonia caused by Streptococcus pyogenes in children – another post-Covid epidemiological challenge?</b> Irena Wojsyk-Banaszak (Poznan, Poland), Katarzyna Tapolska-Jóźwiak, Anna Pasięka, Agata Wasiak, Paulina Stasik, Paulina Sobkowiak, Zdzisława Kycler, Agnieszka Łoś, Katarzyna Jończyk-Potoczna, Ewelina Gowin
<b>PA1391</b>	<b>Pleuropneumonia caused by Group A Streptococcus (GAS)</b> Tine Alliet (Hasselt, Belgium), Stefanie Desmet, Mieke Boon, François Vermeulen, Marijke Proesmans
<b>PA1392</b>	<b>A retrospective study of children with necrotizing pneumonia: Four years of tertiary care experience</b> Prawin Kumar (JODHPUR, India), KALYANA PRABHAKARAN, Nikhil Rajvanshi, Jagdish Prasad Goyal
<b>PA1393</b>	<b>Regenerative capacity of lung parenchyma after necrotising pneumonia in childhood - longterm observational data</b> Katharina Schütz (Hannover, Germany), Daniel Decker, Diane M Renz, Christoph Happel, Harald Bertram, Jens Dingemann, Oliver Keil, Nicolaus Schwerk, Martin Wetzke
<b>PA1394</b>	<b>Biomarkers to support paediatric LRTI antibiotic decision making by clinicians</b> Jonathan Twynam-Perkins (Edinburgh, United Kingdom), David Dockrell, Steve Cunningham
<b>PA1395</b>	<b>Protein expression of airway biomarkers in paediatric lower respiratory tract infection (LRTI)</b> Jonathan Twynam-Perkins (Edinburgh, United Kingdom), David Dockrell, Steve Cunningham
<b>PA1396</b>	<b>Pulmonary sequelae in children after severe COVID-19 or multisystem inflammatory syndrome</b> Simone Hashimoto (Amsterdam, Netherlands), Arjen T. Pelgrom, Lieke Noij, Caroline Brackel, M. W. Pijnenburg, M. A.G.E. Bannier, S. F. Kloosterman, E Van Deutekom, E. G.J. Von Asmuth, E. P. Buddingh, J Vd. Aardweg, Anke-Hilse Maitland-Van Der Zee, Suzanne W.J. Terheggen-Lagro
<b>PA1397</b>	<b>Health significance of the COVID-19 pandemic for patients with primary ciliary dyskinesia</b> Marika Nathalie Schmidt (Copenhagen, Denmark), Rikke Sandvik, Sarah Altaraihi, Hatice Cömert, Mathias Holgersen, Frederik Buchvald, Marianne Skov, Kim G. Nielsen
<b>PA1398</b>	<b>Impact of the COVID-19 pandemic in Children with Chronic Pulmonary Disease Followed at a Tertiary Center in Denmark</b> Marika Nathalie Schmidt (Copenhagen, Denmark), Rikke Sandvik, Hatice Cömert, Sarah Altararaihi, Mathias Holgersen, Majbritt Presfeldt, Frederik Buchvald, Kim G. Nielsen
<b>PA1399</b>	<b>Unravelling genetic and clinical phenotype correlations in primary ciliary dyskinesia: a cohort study</b> Malena Aldeco (Ljubljana, Slovenia), Marusa Debeljak, Jasna Rodman Berlot, Marina Praprotnik, Aleksandra Zver, Paola Pascolo, Gaja Setnikar Kimovec, Sasa Setina Smid, Dusanka Lepej, Uros Krivec
<b>PA1400</b>	<b>The relationship between quality of life, structural and functional status of the lung in children with primary ciliary dyskinesia</b> Yasemin Mocan Çağlar (İstanbul, Turkey), Nesibe Hatun Sarihan, Sinem Can Oksay, Zeynep Reyhan Onay, Deniz Mavi Tortop, Gülay Bilgin, Ozge Ulgen, Gülçin Bozbeyoğlu, Saniye Girit



**PA1401** **The impact of guideline implementation in diagnosing primary ciliary dyskinesia using transmission electron microscopy**  
Malena Aldeco (Ljubljana, Slovenia), Karmen Wechtersbach, Jerica Plesko, Marina Praprotnik, Dušanka Lepej, Maruša Debeljak, Jasna Rodman Berlot, Gaja Setnikar Kimovec, Sasa Setina Smid, Aleksandra Zver, Paola Pascolo, Nina Zidar, Nika Koje, Uros Krivec

**PA1402** **Late Breaking Abstract - Differences in remodelling and autophagy-related biomarkers at birth from offspring of asthmatic and healthy mothers are associated with subsequent infant lung function and bronchiolitis hospitalisation in infancy**  
Carla Rebeca da Silva Sena (Basel, Switzerland), Gabriela Martins Costa Gomes, Olga Gorlanova, Noëmi Künstle, Céline Rüttimann, Sven Schulzke, Ruth Steinberg, Ediane De Queiroz Andrade, Patricia De Gouveia Belinelo, Florian Wyler, Loretta Müller, Sophie Yammine, Paul D Robinson, Peter D Sly, Vanessa Murphy, Peter Gibson, Philipp Latzin, Joerg Mattes, Adam Collison, Urs Frey

**PA1403** **Late Breaking Abstract - Machine learning algorithms to predict bronchiolitis hospitalisations in the first year of life**  
Joerg Mattes (Newcastle (NSW), Australia), Gabriela Martins Costa Gomes, Carla Rebecca Da Silva Sena, Carlos Riveros, Stuart Szvec, Paul D Robinson, Peter D Sly, Vanessa E Murphy, Peter G Gibson, Adam Collison

**PA1404** **Late Breaking Abstract - How frequent are pulmonary exacerbations in primary ciliary dyskinesia?**  
Leonie Daria Schreck (Bern, Switzerland), Myrofora Goutaki, Eva Sophie Lunde Pedersen, Fiona Copeland, Trini López Fernández, Jane S Lucas, Claudia E Kuehni

PS-21

Session 144

12:30 - 14:00

## Poster session: Key points in thoracic surgical oncology

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

Method(s) : Surgery Public health Palliative care Physiology Pulmonary rehabilitation Transplantation Epidemiology Imaging Respiratory intensive care

Tag(s) : Clinical

Chairs : Kalliopi Athanassiadi (Athens, Greece), Marco Nardini (Leeds, United Kingdom)

**PA1405** **Surgical Management of Inflammatory Myofibroblastic Tumour of the Lung: A Comprehensive Case Series and Long-Term Outcomes Analysis**  
Luca Bertolaccini (Milan, Italy), Mariano Lombardi, Matteo Chiari, Carlo Pescia, Valeria Midolo De Luca, Elena Guerini Rocco, Davide Vacirca, Riccardo Adorisio, Lorenzo Spaggiari

**PA1406** **Evaluation of the surgical treatment of lung cancer**  
Borislav Kondov (Skopje, North Macedonia), Risto Colanceski, Goran Kondov, Nexhati Jakupi, Magdalena Bogdanovska, Marija Srceva, Natasha Toleska, Imran Ferati, Anita Kokareva, Andrej Atanasovski

**PA1407** **Surgical Management and Survival Analysis of Pulmonary Carcinoid Tumors: A Three-Decade Perspective.**  
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Aymen Ben Ayed, Aly Ben Salem, Abdessalem Hentati, Imed Frikha

**PA1408** **Exploring Covid-19's role in postoperative complications incidence following Lung Resection Surgeries for Cancer**  
Mouad Gourti (Agadir, Morocco), Rim Zaimi, Bassil Dakhil, Elmehdi Maida, Patrick Bagan

**PA1409** **How to perform Hybrid Uniportal Lung Biopsy in less than 15 minutes**  
Asser Younes (Suez, Egypt), Marco Nardini, Rayid Abdulqawi, Rana Saleh, Ayman Arbaeen, Wael Ahmed, Turki Alhawiti, Mamoud Hashim, Waleed Saleh, Khalid Alkattan, Marcello Migliore

**PA1410** **Prevention of prolonged air leak in lung resection surgery; a novel application of a haemostatic agent.**  
Tara Byrne (Ballinasloe (County Longford), Ireland), Alan Soo

**PA1411** **Digital or Traditionnal : A comparative analysis of drainage Medical Devices for post-Lung resection in Cancer**  
Mouad Gourti (Agadir, Morocco), Mohssine Makloul, Rim Zaimi, Bassel Dakhil, Patrick Bagan

**PA1412** **Management and Clinical Profile of Tracheal Adenoid Cystic Carcinoma: A surgical series.**  
Wassim Chaieb (Ariana, Tunisia), Amina Abdelkbir, Hazem Zribi, Imen Bouassida, Sarra Maazaoui, Mehdi Abdennadher, Adel Marghli

**PA1413** **Peri- and postoperative morbidity and mortality in elderly patients with non-small cell lung cancer: a matched-pair study**  
Maximilian Gysan (Wien, Austria), Seyer Safi, Dorothea Weber, Rouven Behnisch, Thomas Muley, Esther Herpel, Hauke Winter, Hans Hoffmann, Martin Eichhorn

**PA1414** **Postoperative respiratory morbidity in onco-thoracic surgery: risk factors**  
Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Manel Abbess, Amira Dridi, Nizar Fitouhi, Adel Merghli, Sonia Ouerghi, Taher Mestiri

- PA1415 Uncomplicated VATS lobectomies in early stage lung cancer; the Greek oxymoron of keeping up with the guidelines and achieving financial loss**  
Georgia Hardavella (Athens, Greece), Ioannis Karampinis, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou
- PA1416 Perioperative Tranexamic acid administration for reducing blood loss in major bronchopulmonary cancer surgery**  
Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Sonia Ouerghi, Manel Abbess, Mahdi Abdennadher, Adel Merghli, Nizar Fitouhi, Amira Dridi, Taher Mestiri
- PA1417 Prevention of postoperative atrial arrhythmias in major bronchopulmonary cancer surgery: Celiprolol versus Diltiazem about 30 cases**  
Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Rim Karaborni, Ines Ben Zid, Kaouther Ben Amara, Ouerghi Sonia, Fitouhi Nizar, Mahdi Abdennadher, Amira Dridi, Adel Merghli, Taher Mestiri
- PA1418 Recurrent bilateral hydro-pneumothorax in metastatic osteosarcoma: one-stage treatment by bilateral uniportal VATS.**  
Ayman Arbaeen (Riyadh, Saudi Arabia), Amal Abdulhaq, Rana Saleh, Wael Ahmed, Asser Younes, Rayid Abdulqawi, Waleed Saleh, Marcello Migliore
- PA1419 Salvage Surgery in Persistent Lung Cancer**  
Kalliopi Athanassiadi (Athens, Greece), Evangelia Liverakou, Evangelia Chatzimichali, Zachos Diakonikolaou, Konstantinos Eleftheriou, Ioanna Sigala, Vasilis Grigoropoulos, Niki Gianniou, Eleftheria Mizi, Nektarios Alevizopoulos, Theodoros Tegos, Michael Vaslamatzis, Paraskevi Katsaounou
- PA1420 Bi-centric Experience with Cytoreductive surgery and hyperthermic intra-thoracic chemotherapy (HITHOC) for pleural malignancies**  
Amal Abdulhaq (Riyadh, Saudi Arabia), Mamoud Hashim, Norberto Santana, Ayman Arbaeen, Waleed Saleh, Khalid Al Kattan, Marcello Migliore
- PA1421 Anatomical lung resection learning curve: comparison between new modular robotic surgical system and VATS technique**  
Lorenzo Rosso (Milan, Italy), Margherita Brivio, Ilaria Righi, Cattaneo Margherita, Nosotti Mario
- PA1422 Systemic Autoimmune Diseases & Lung Cancer**  
Kalliopi Athanassiadi (Athens, Greece), Evangelia Chatzimichali, Magdalini Simou, Alexandros Tsompanellis, Dimitra Exarchopoulou, Aikaterini Katsandri, Konstantinos Eleftheriou, Eleftheria Mizi, Niki Gianniou, Ioanna Sigala, Georgios Katsikas, Michail Polychroniadis
- PA1423 The importance of lobectomy versus segmentectomy in stage I NSCLC**  
Ioannis Kyritsis (Athens, Greece), Andriani Charpidou, Alexios Verveniotis, Marousa Kouvela, Nikolaos Anastasiou, Periklis Tomos, Grigoris Stratakos, Konstantinos Syrigos
- PA1424 Intrathoracic solitary fibrous tumors: about 18 cases**  
Wassim Chaieb (Ariana, Tunisia), FATMA INCHEJEMAL, Amina Abdelkbir, Imen Bouassida, Mahdi Abdenadher, Sarra Zairi, Sarra Maazaoui, Hazem Zribi, Adel Marghli

PS-22

Session 145

12:30 - 14:00

Poster session: Airway clearance, respiratory physiotherapy and rehabilitation in acute and chronic respiratory problems

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

Method(s) : Respiratory intensive care Endoscopy and interventional pulmonology Physiology Pulmonary function testing General respiratory patient care Pulmonary rehabilitation Epidemiology Public health Imaging

Tag(s) : Clinical

Chairs : Arietta Spinou (London, United Kingdom), Cristina Isabel Oliveira Jácome (Viatodos, Portugal)

- PA1425 Laryngeal ultrasound to visualize laryngeal movements during mechanically assisted cough in healthy volunteers**  
Tiina Andersen (Bergen, Norway), Anne Kristine Brekka, George Ntoumenopoulos, Hege Havstad Clemm, Thomas Halvorsen, Ola Drange Røksund, Maria Vollseter
- PA1426 Investigation of relation between health literacy and adherence of airway clearance techniques in adults with cystic fibrosis**  
Aydan Asli Aksel Uylar (Ankara, Turkey), Melda Sağlam, Ebru Damadoglu, Oguz Karcioglu, Naciye Vardar-Yagli
- PA1427 Core outcome set for studies investigating secretion clearance interventions used in the community by patients with neuromuscular disease (NMD).**  
Neeraj Shah (London, United Kingdom), Chloe Apps, Reshma Amin, Georgios Kaltsakas, Nicholas Hart, Patrick Murphy, Louise Rose

- PA1428 Correlation between different biophysical properties of sputum in bronchiectasis patients**  
Nona Ribalta (Solsona, Spain), Victoria Alcaraz-Serrano, Héctor Sanz-Fraile, Beatriz Herrero-Cortina, Laia Fernández-Barat, Ramón Farré, Jorge Otero, Antoni Torres-Martí
- 
- PA1429 Intrapulmonary percussion ventilation on functional respiratory imaging endpoints in COPD patients**  
Yinka De Meyer (Kontich, Belgium), Wendel Dierckx, Kris Ides, Eline Dierckx, Ana Cortes, Jan De Backer, Wilfried De Backer
- 
- PA1430 Can 129Xe ventilation MRI guide personalisation of airway clearance regimens in children with Primary Ciliary Dyskinesia?**  
Lynne Schofield (Leeds, United Kingdom), Alberto Biancardi, David Capener, David Hughes, Helen Marshall, Eduardo Moya, Evie Robson, Susi Shanks, Anna Shawcross, Sally Singh, Laurie Smith, Noreen West, Jim Wild, Daniel Hind
- 
- PA1431 Airway resistance changes after intrapulmonary percussion ventilation in COPD patients**  
Yinka De Meyer (Kontich, Belgium), Wendel Dierckx, Kris Ides, Eline Lauwers, Wilfried De Backer
- 
- PA1432 Airway clearance techniques have no effect on 24-hour food intake in children hospitalised for moderate bronchiolitis: a randomised controlled trial**  
Margaux MACHEFERT (Le Havre, France), Yann Combret, Mélody Couet, Tristan Bonnevie, Francis-Edouard Gravier, Timothée Gillot, Pascal Le Roux, Roger Hilfiker, Clément Medrinal, Guillaume Prieur
- 
- PA1433 Assessing the Impact of Coaching on Mechanical In-Exsufflation Learning in Children, a Randomized Trial.**  
Nicolas Audag (Bruxelles, Belgium), Pierre-Alexandre Chartier, Marius Lebret, Gregory Reychler
- 
- PA1434 Upper airway and translaryngeal resistance during mechanical insufflation-exsufflation**  
Tiina Andersen (Bergen, Norway), Anne Kristine Brekka, Zoe Fretheim-Kelly, Manel Lujan, John-Helge Heimdal, Hege Havstad Clemm, Thomas Halvorsen, Ove Fondenes, Roy Miodini Nilsen, Ola Drange Røksund, Maria Vollsæter
- 
- PA1435 Accuracy of real-time data provided by mechanical insufflation-exsufflation devices**  
Roberto Martínez Alejos (Montpellier, France), Marius Lebret, Alice Vuillermoz, Emeline Fresnel, François Beloncle
- 
- PA1436 International consensus on airway clearance techniques for acute exacerbations of chronic obstructive pulmonary disease (AECOPD): a modified Delphi study.**  
Arietta Spinou (London, United Kingdom), Christine Schröder, William Poncin, Ana Oliveira, Gregory Reychler, Pierre Cnockaert, Nicolas Audag, Lucile Gely, Olivier Contal, Kris Ides, Christian Osadnik, Beatriz Herrero-Cortina, Inger Mechlenburg
- 
- PA1437 Impact of respiratory physiotherapy on the number of exacerbations and hospital admissions in patients with CBI receiving nebulized antibiotics: results of a multicenter retrospective study (INBREATHING).**  
Aida Monge Esqué (Lleida, Spain), Sally Santistevé Lostes, Ivan Benítez, Carlos Manzano Senra, Marcela Suarez Bustamante, Anna Moncusí Moix, Alicia Sayés Chueca, Eduardo José García Urrestarazu, Ana Belén Alcaide Ocaña, Javier Burgos Lozano, Ane Martínez De Las Fuentes, Joel-Suresh Lakhani Lakhani, Beatriz Raboso, Cristina Pou Álvarez, Marta Erro Iribarren, Rosa Abril Castañón, Juan Pablo De Torres Tajés, Guillermo Suarez Cuartin, David De La Rosa, Ferran Barbé Illa, Jessica González Gutiérrez
- 
- PA1438 The evolution of inspiratory muscle fatigue compared to the quadriceps in patients with acquired muscle weakness in the intensive care unit**  
Margaux MACHEFERT (Le Havre, France), Guillaume Prieur, Solène Aubry, Yann Combret, Clément Medrinal
- 
- PA1439 Predictive validity of CPAX-NOR in critically ill adult patients requiring intubation and mechanical ventilation over 48 hours**  
Vetle Osenbroch Kallevik (Vøyenenga, Norway), Tina Marie Hethey, Hilde Frøkedal, Harriet Shannon
- 
- PA1440 Examination of the Psychometric Properties of the De-Morton Mobility Index in Patients Discharged from Intensive Care Unit**  
Büsra Turgut (Izmir, Turkey), Ilknur Naz Gürsan, Ozlem Edipoglu, Cenk Kiraklı
- 
- PA1441 Variation of muscles thickness and strength in critically ill patients: preliminary results**  
Veronica Rossi (Milan, Italy), Serena Tammaro, Simone Gambazza, Filippo Binda, Emilia Privitera, Chaira Abruzzese, Giacomo Grasselli
- 
- PA1442 The impact of nusinersen on respiratory function in adult patients with spinal muscular atrophy after 1.5 years of treatment.**  
Pija Pukšič Šimek (Ljubljana, Slovenia), Manca Groznik Tratnjek, Blaž Koritnik, Lea Leonardis
- 
- PA1443 Evaluation of thoracoabdominal asynchrony in Duchenne Muscular Dystrophy: a pilot study**  
Bilge Taşkın Gürel (Ankara, Turkey), Azize Reda Tunç, Naciye Vardar Yağlı, Aynur Ayşe Karaduman
- 
- PA1444 Correlates of dyspnea in late onset Pompe disease (LOPD) patients: a pilot study**  
Rosario Di Marco (Cerda, Italy), Antonino Lupica, Paolo Alonge, Vincenzo Di Stefano, Filippo Brighina, Grazia Crescimanno

PS-23

Session 146

12:30 - 14:00

**Poster session: Innovative use of pulmonary function tests for better prediction, assessment and monitoring of pulmonary diseases****Disease(s) :** Airway diseases Interstitial lung diseases Respiratory critical care Thoracic oncology**Method(s) :** Pulmonary function testing General respiratory patient care Pulmonary rehabilitation Transplantation Surgery  
Physiology Public health**Tag(s) :** Clinical**Chairs :** Mart N. van der Plas (Monster, Netherlands), Ella O'Neill (Cambridge, United Kingdom)

- PA1445 Home oscillometry monitoring after lung transplant is feasible and reliable**  
Joyce Wu (Toronto, Canada), Anastasiia Vasileva, Zoltán Hantos, Chung-Wai Chow
- 
- PA1446 Lung clearance index is elevated in children and adolescents with bronchiectasis**  
Kathryn Ramsey (Perth, Australia), Julia Casella, Alana Harper, Andre Schultz
- 
- PA1447 Lost in Equity-Impact of reference equation change and ERS/ATS 2022 guidelines on lung function test interpretation in Pakistani population**  
Taymmia Ejaz (Islamabad, Pakistan), Faris Gulamali, Muhammad Irfan, Abdus Subhan, Talha Shahzad, Moiz Salahuddin, Javaid Khan
- 
- PA1448 Reference values for the 6-minute walk test in Caucasians between 18 and 87 years**  
Kevin De Soomer (Edegem, Belgium), Kaat Geubels, Hilbert Mendoza, Reinier Wener, Therese Lapperre, Ellie Oostveen
- 
- PA1449 What factors alter 6-minute walk test parameters after Covid-19 respiratory infection?**  
Salma Mokaddem Mohsen (Tunis, Tunisia), Hela Cherif, Hadhemi Rejeb, Siwar Belghith, Khouloud Kechaou, Soumaya Khaldi, Saloua Ben Khamsa Jameleddine
- 
- PA1450 Assessing Lung Diffusion Capacity: Key to Understanding Dyspnea in Post-Acute COVID-19**  
Olha Shchudro (Dnipro, Ukraine), Lyudmyla Konopkina, Yuliia Huba, Larysa Botvynikova
- 
- PA1451 The lung function tests and 6MWT in lung cancer patients over 80 years – the essential tools in preoperative physiological assessment.**  
Monika Franczuk (Warszawa, Poland), Piotr Rudziński, Renata Langfort, Agata Gładzka, Tadeusz Orłowski, Stefan Wesolowski
- 
- PA1452 Cardiopulmonary exercise testing in adult congenital heart disease: can we predict exercise capacity from a submaximal test?**  
Thomas Simon FitzMaurice (Liverpool, United Kingdom), Scott Hawkes, Yuen Liao, Damien Cullington, Angella Bryan, James Redfern, Reza Ashrafi
- 
- PA1453 Non-cardiac determinants of impaired aerobic capacity in adult congenital heart disease (ACHD)**  
Jason Burge (Wolverhampton, United Kingdom), Vicky Moore, Dawn Adamson, Edward Parkes
- 
- PA1454 Breathlessness in Adult Congenital Heart Disease (ACHD): It's more than just the heart**  
Jason Burge (Wolverhampton, United Kingdom), Dawn Adamson, Edward Parkes
- 
- PA1455 Reliability study of pulmonary function tests in patients with chronic obstructive pulmonary disease**  
Elif Şen (Ankara, Turkey), Fatma Arslan, Burak Şirin, Nurdan Köktürk, Gaye Ulubay, Selma Aydoğan Eroğlu, Bilun Gemicioğlu, Özlem Sönmez, İrem Şerifoğlu Rahatlı, Aslı Görek Dilektaşlı, Burcu Öztürk Şahin, Ilkay Doğan, Nermin Gürhan, Hakan Günen, Nihal Enşen
- 
- PA1456 Targeting lung health in Coventry and Warwickshire: Relationship of breathlessness and location of emphysema with lung function.**  
Vicky Moore (Coventry, United Kingdom), Natalie O'Reilly, Absari Choudhury, Aisatu Jaiteh, Edward Parkes, Joanna Shakespeare
- 
- PA1457 Prediction of lung hyperinflation in advanced COPD from spirometry and demographics**  
Ebtihal Alharbi (LEICESTER, United Kingdom), Michael Steiner, Steve Corkill, Neil Greening, Thomas Ward
- 
- PA1458 The value of measuring Exhaled Nitric Oxide in COPD with pulmonary hypertension.**  
EUGERTA DILKA (Tirane, Albania), Artan Simaku, Perlat Kapisyzi
- 
- PA1459 Asthma with normal lung function**  
Imane El hamdani (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Harraz Hanaa, Najiba Yassine

- PA1460** **Effects of the dead space apparatus on compartments volume and configuration of chest wall in infants**  
Arnele Dornelas De Andrade (Recife (PE), Brazil), Cyda Reinaux, Andrea Aliverti, Livia Silva, Harrison Euller, José Eulálio Filho, Murilo Britto
- PA1461** **Quantitative start of test criteria for spirometry in preschool children**  
Luciano Enrique Busi (Trelew (Chubut), Argentina), Peter David Sly
- PA1462** **Respiratory oscillometry in infants: methodological aspects**  
Zoltán Hantos (Budapest, Hungary), Jeffrey Bjerregaard, Christina Tiller, Laura Amos, Gergely Makan, Robert Tepper
- PA1463** **Comparison of Lung Function and Respiratory Muscle Strength in Geriatric Individuals with and without Metabolic Syndrome**  
Alper Kemal Gürbüz (Kirikkale, Turkey), Funda Sirakaya, Aynur Demirel, Meral Sertel
- PA1464** **Late Breaking Abstract - The Introduction of Improved Quality Assurance Practices in a Pulmonary Physiology Department**  
Anita Doggett (Dublin 4, Ireland), Su Hepenstall, Charlie Gallagher

PS-24

Session 147

12:30 - 14:00

**Poster session: Tuberculosis prevention****Disease(s)** : [Airway diseases](#) [Interstitial lung diseases](#)**Method(s)** : Public health General respiratory patient care Epidemiology Cell and molecular biology**Tag(s)** : Clinical**Chairs** : Ayşegül Fusun Öner Eyüboğlu (Ankara, Turkey), Akhlesh Rajpoot (Almora, India)

- PA1465** **A review of latent TB infection screening practices in south-west England: A need for consensus**  
Danielle Bruchez (Bristol, United Kingdom), David Hettle, Miles Edwards, Fraser Easton
- PA1466** **One-Month Rifapentine plus Isoniazid (1HP) is a safe regimen for LTBI treatment in non-HIV population: A randomized controlled trial**  
Jann-Yuan Wang (Taipei, Taiwan), Hung-Ling Huang, Chih-Hsin Lee
- PA1468** **Rifapentine + isoniazid for latent tuberculosis infection in Brazil: a retrospective cohort study**  
Ana Paula Santos (Rio De Janeiro (RJ), Brazil), Beatriz Chaves, Ana Carolina Souza, Janaina Leung, Walter Costa
- PA1469** **An analysis of the effectiveness of the latent tuberculosis service in Southampton - the reasons for treatment non-adherence**  
Mila Bilsland (warwickshire, United Kingdom), Anindo Banerjee, Ben Marshall
- PA1470** **Pyridoxine levels in healthy patients receiving isoniazid for latent tuberculosis infection**  
Sivan-Haia Perl (Tel aviv jaffa, Israel), Karm Amar, Benjamin Fox
- PA1471** **Contact investigation after exposure to TB in healthcare workers**  
Aikaterini Manika (Pylaia (Thessaloniki), Greece), Panagiota Kyreltsi, Michail Leontakianakos, Foteini Gkakou, Maria Alevizaki, Maria Sionidou, Evgenia Katsimpourlia, Eleni Papadaki, Marija Hadji-Mitrova, Anna Tsakona, Anna Nikopoulou, Despoina Papakosta
- PA1472** **The impact of the COVID-19 pandemic on the latent tuberculosis service in Southampton**  
Mila Bilsland (warwickshire, United Kingdom), Anindo Banerjee, Ben Marshall
- PA1473** **Latent tuberculosis and biotherapy in chronic inflammatory diseases: value of the QuantiFERON TB Gold Plus test in diagnosis**  
Fatima Zahra SOUID (Alger, Algeria), Imane Sakhri, Samia Mamouzi
- PA1474** **Comparative analysis of LTBI treatment tolerance across age groups: a retrospective monocentric observational study**  
Irene Sini (Orani, Italy), Lucia Allavena, Gloria Leonardi, Maurizio Ferrarese, Alice Claudia Repposi, Marco Mantero, Francesco Blasi, Luigi Ruffo Codecasa
- PA1475** **Cost of Tuberculosis (TB) screening and contact tracing an Eastern European immigrant population seasonally employed at an agricultural farm in the United Kingdom**  
Harmesh Moudgil (Telford (Shropshire), United Kingdom), Susan George
- PA1476** **LTBI screening in tuberculosis low-incidence country – can a negative IGRA “cancel” a positive TST result?**  
Sivan-Haia Perl (Tel aviv jaffa, Israel), Oksana Niazov, Daniel Chemtob, Benjamin Fox
- PA1477** **Characteristics of patients with borderline T-SPOT.TB test and retest results**  
Andreas Fløe (Aabyhøj, Denmark), Ole Skouvig Pedersen, Søren Sperling, Victor Naestholt Dahl



- PA1478** **QuantIFERON-TB Gold Plus CLIA vs. T-SPOT.TB in patients with immunosuppressive conditions**  
Miguel Arias Guillen (Oviedo (Asturias), Spain), Sergio Palacios-Penedo, Marta Solís-García, Sabino Riestra-Menéndez, Marta María García-Clemente, Juan Nieves-Salceda, Iván Menéndez-Vallina, Gema Ramírez-Parras, Victor Asensi, Juan José Palacios-Gutierrez
- PA1479** **Risk of tuberculosis and uptake rates of latent tuberculosis infection(LTBI) screening among clinical risk groups in South Korea: A nationwide population-based cohort study**  
Yun Seok Kim (Incheon, Republic of Korea), Lee Jun Seung, Hyung Woo Kim, Ju Sang Kim, Jinsoo Min, Joong Hyun Ahn
- PA1480** **Tuberculosis Preventive Therapy-Will the strategy work to control Tuberculosis**  
Darshan Kumar Bajaj (Lucknow (Uttar Pradesh), India), R A S Kushwaha, Rajiv Garg, Richa Tyagi, Surya Kant, Nandini Dikshit, Ankit Kumar, Jyoti Bajpai, Ajay Verma, Anand Srivastava, Ranjeet Raman, Neha Kumari, Yogita Vats
- PA1481** **Active TB related to IGRA conversion in a dynamic cohort of patients with Inflammatory Bowel Disease receiving biological therapy, with up to 14 years of follow-up.**  
Miguel Arias Guillen (Oviedo (Asturias), Spain), Sabino Riestra-Menéndez, Juan José Palacios-Gutierrez, Marta María García-Clemente, Ramón Fernández-Alvarez, Miguel Santibáñez-Margüello, Ruth De Francisco, Guillermo Muñoz-Albaiceta, Patricio Escalante
- PA1482** **Integrated approach to lung health screening through mobile X-ray technology: experience from Odeska Oblast, Ukraine**  
Liana Kovtunovych (Odesa, Ukraine), Olena Pavlenko, Serhii Samchenko, Myroslava Germanovych, Aleksey Bogdanov, Yana Terleieva, Gunta Dravniece
- PA1483** **The prevalence and predictors of latent TB infection (LTBI) of COPD patients in Taiwan**  
Hung-Ling Huang (Kaohsiung, Taiwan), Meng-Hsuan Cheng, Chau-Chyun Sheu, Inn-Wen Chong, Jann-Yuan Wang
- PA1484** **Latent tuberculosis and immune-mediated inflammatory diseases: the performance of TST and IGRA**  
Ana Paula Santos (Rio De Janeiro (RJ), Brazil), Bernardo Torres Skinner, Samara Galdino Coelho, Roberto Stefan De Almeida Ribeiro, Juliana Cristina Borges Da Silva, Janaina Aparecida De Medeiros Leung, Walter Costa, Thiago Thomaz Mafort, Rogério Rufino, Luciana Silva Rodrigues

PS-25

Session 148

12:30 - 14:00

## Poster session: Recent advances in diagnostics and prognostics in respiratory infection

Disease(s) : **Airway diseases** Respiratory critical careMethod(s) : General respiratory patient care Respiratory intensive care Cell and molecular biology Imaging Transplantation  
Epidemiology Endoscopy and interventional pulmonology

Tag(s) : Translational

Chairs : Markus Fally (Copenhagen, Denmark), Ana Motos Galera (Barcelona, Spain)

- PA1485** **A Retrospective Study on the Agreement and Diagnostic Utility of the Biofire Pneumonia Array Compared to the Sputum Culture in a Tertiary Hospital in Metro Manila from January 2022 to August 2023**  
JUAN MIGUEL PEÑA (Las Pinas, Philippines), Lenora Fernandez
- PA1486** **Acute community pneumonia: Contribution of microbiological samples in a pulmonology department**  
Ines moussa (ariana, Tunisia), Jallouli Nour Lahbib, Moussa Ines, Ben Hmida Lenda, Sahnoun Imen, Mrassi Hana, Douik El Gharbi Leila
- PA1487** **The value of sputum cytobacteriological examination in the management of bacterial pneumonitis in hospital**  
Hafsa Mitre (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Harraz Hanaa, Najiba Yassine
- PA1488** **Pleural fluid proteomics from patients with pleural infection shows signatures of diverse neutrophilic responses: The Oxford Pleural Infection Immunophenotyping Study (TORPIDS 2)**  
Nikolaos I. Kanellakis (Oxford, United Kingdom), Kiki Cano-Gamez, Julia Chu, Nikita Manoharan, Roman Fischer, Tao Dong, John Corcoran, Julian Knight, Justin Whalley, Najib Rahman
- PA1489** **Clinical Application Value of Metagenome Next-Generation Sequencing (mNGS) in Pulmonary Diffuse Exudative Lesions: A Retrospective Study**  
Hongru Li (Fuzhou (Fujian), China), Yisong Wu, Jian Wu, Nengluan Xu, Ming Lin, Wenxiang Yue, Yusheng Chen, Qiongyao Zhang
- PA1490** **Combined use of respiratory multiplex PCR and procalcitonin to reduce antibiotic exposure in acute chest syndrome**  
Alexandre Sabaté-Elabbadi (Paris, France), Aline Santin, Keyvan Razazi, Charlotte Verdet, François Lionnet, Armand Mekontso Dessap, Alexandra Rousseau, Sophie Tuffet, Romane Lacoste-Badie, Guillaume Voiriot, Muriel Fartoukh
- PA1491** **Serum Sphingolipids Aid in Diagnosing Adult HIV-Negative Patients with Pulmonary Cryptococcosis: A Clinical Cohort Study**  
Zhengtuo Li (Guangzhou, China)

- PA1492 Prolonged QTc Interval at Admission: A Hallmark of Poor Prognosis in Community-Acquired Pneumonia?**  
Warda Jelassi (Tunis, Tunisia), Sonia Toujani, Khadija Euch, Sana Cheikhrouhou, Yacine Ouahchi, Meriem Mjid, Abir Hedhli, Besma Dhahri
- PA1493 Blood eosinophil numbers as predictor of severity of community-acquired pneumonia in a prospective multicentre validation cohort**  
Barbara Christine Weckler (Marburg, Germany), Stephan Ringshandl, Peter Ahnert, Hendrik Pott, Wilhelm Bertrams, Max Kutzinski, Anna Lena Jung, Katrin Laakmann, Christian Seidemann, Norbert Suttorp, Martin Witzenrath, Christian Wildberg, Dominik Heider, Roman Martin, Claus Franz Vogelmeier, Bernd Schmeck
- PA1494 The prognostic role of lung ultrasound in hospitalized patients with COVID-19**  
Ioannis Tomos (Athens (P. Faliro), Greece), Elvira Markela Antonogiannaki, Konstantina Dimakopoulou, Thomas Raptakis, Vasiliki Apolloniatou, Maria Kallieri, Stefanos Lampadakis, Myrto Blizou, Antonis Krousos, Anna Karakatsani, Effrosyni D. Manali, Stylianos Loukides, Spyros A. Papiris
- PA1495 Analyzing the Performance of the COVID-19 Early Warning Score in Diagnosing COVID-19**  
Jatu Aphridasari (Surakarta (Central Java), Indonesia), Linda Soebroto, Dian Widya Anggraeni
- PA1496 Microbial etiology of pleural infections – A Retrospective view in a Portuguese Hospital**  
Maria João Lúcio (linda a velha, Portugal), Eva Brysch, Ana Santos, Fernando Nogueira
- PA1497 Pathogen identification in endotracheal aspire sample using metatranscriptomics**  
Nan Wu (Beijing, China), Zhenchao Wu, Zhancheng Gao, Ning Shen
- PA1498 PLEURAL FLUID AGITATION FOR IMPROVING THE MICROBIOLOGIC DIAGNOSTIC YIELD IN PLEURAL INFECTION – A FEASIBILITY STUDY**  
Ahmed Sadaka (Hastings, United Kingdom), Reda Saiid, Heba Ashmawy, Hadir Okasha, Heba Gharraf
- PA1499 IL-6 and TIMP-1 correlated to airway pathogen colonization and predict disease severity in patients with non-cystic fibrosis bronchiectasis**  
Shih-Wei Huang (Taoyuan, Taiwan), Chun-Yu Lin, Horng-Chyuan Lin
- PA1500 A molecular method for bacterial infection monitoring in bronchiectasis by RNA quantification**  
Adam Bell (Edinburgh, United Kingdom), Daniela Alferes De Lima Headley, Micle Young, Marie-Jeanne Kempen, Chandani Hennayake, Sarah Williams-Macdonald, Rebecca Hull, Mateja Sborchia, Pawlina Dand, Jamie Long, Maia Kavenagh-Williams, Declan Fawcett-Gibson, Daniel De Vega, Zsofia Éke, Eve Mcintosh, Rachel Dakin, Carolyn Clarke, Rebecca Holmes, James D. Chalmers
- PA1501 Respiratory multiplex PCR could predict morbidity and mortality in solid organ transplant patients**  
Dorina Rama Esendagli (Ankara, Turkey), Fidan Layijova, Emre Karakaya, Gaye Ulubay, Mehmet Haberal
- PA1502 Prognostic Significance of Blood CMV DNA Load in Immunocompetent Patients with CMV Pneumonia: A Retrospective Cohort Study**  
Ezgi Demirdogen (Bursa, Turkey), Ozge Aydin Guclu, Esra Kazak, Nilufer Aylin Acet Ozturk, Merve Nur Yildiz, Orkun Eray Terzi, Asli Gorek Dilektasli, Ahmet Ürsavas
- PA1503 Investigation of methods to identify the etiology of infection rapidly and accurately by using the Biofire® Film Array® Pneumonia Panel (PN panel) in admitting pneumonia.**  
NORIKO TAKEDA (OSAKA, Japan), Hidenori Tanaka, Kentaro Ueno, Masaaki Kobayashi, Yuri Oshima, Takahiro Ueda, Hideaki Kadotani, Riki Uenishi, Hiroaki Kubo, Mariko Isii, Haruhiko Matushita
- PA1504 Clinical application of multiplex PCR in adults with parapneumonic pleural effusion**  
King-Pui Florence Chan (Hong Kong, Hong Kong), Terence Chi Chun Tam, David Chi-Leung Lam, Pak-Leung Ho

PS-26

Session 149

12:30 - 14:00

Poster session: After the storm: COVID-19 in 2024

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

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

Tag(s) : Clinical

Chairs : Anna Freeman (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

**Short- and long-term effects of imatinib in patients hospitalised for COVID-19: A randomised trial**

PA1505 Alex Halme (Espoo, Finland), Sanna Laakkonen, Jarno Rutanen, Olli Nevalainen, Marjatta Sinisalo, Saana Horstia, Jussi Mustonen, Negar Pourjamal, Aija Vanhanen, Tuomas Rosberg, Andreas Renner, Markus Perola, Erja-Leena Paukkeri, Riitta-Liisa Patovirta, Seppo Parkkila, Juuso Paajanen, Taina Nykänen, Jarkko Mäntylä, Marjukka Myllärniemi, Tiina Mattila, Maarit Leinonen, Alvar Külmasu, Pauliina Kuutti, Ilari Kuitunen, Hanna-Riikka Kreivi, Tuomas Kilpeläinen, Heikki Kauma, Ilkka Kalliala, Petrus Järvinen, Riina Hankkio, Taina Hammarén, Thjis Feuth, Hanna Ansakorpi, Riikka Ala-Karvia, Gordon Guyatt, Kari Tikkinen

**Inhaled Aviptadil is a new hope for recovery of lung damage due to COVID-19**

PA1506 Dorina Rama Esendagli (Ankara, Turkey), Nuran Sari, Sila Akhan, Sonay Arslan, Gürdal Yılmaz, Firdevs Aksoy, Esra Canpolat Ünlü, Işıl Kibar Akıllı, Mustafa Kemal Çelen, Çiğdem Mermutluoğlu, Ahmet Çağkan Inkaya, Emre Kara, Barış Demirkol, Levent Arafat, Erdoğan Çetinkaya, Mustafa Çörtük, Nagihan Durmuş Koçak, Elif Torun Parmaksız, Gamze Durhan

**Influence of demographics and dosing on COVID-19 outcomes and Favipiravir efficacy**

PA1507 Rebecca Wawman (East Malling, United Kingdom), Christopher M Orton, Marta Boffito, Anand Tana, James Tonkin, Alexandra N Baikov, Mark R Johnson, Anton Pozniak, Michael Pelly, Pankaj K Bhavsar, Pallav L Shah

**Skin conductance as indicator of relaxation capacity in patients with and without post-traumatic stress symptoms due to COVID-19 hospitalization**

PA1508 Michelle Iran Aboyte Pedroza (IZTAPALAPA, Mexico), Karen Sánchez Martínez, Sandra Denisse Enríquez Godefroy, Frida Uribe Gaspar, Victoria Lilian Pachicano Romero, Frida Albarran Lopez, Viridiana Peláez Hernández, Arturo Orea Tejada, Tomas Peña Espinosa

**Efficacy of Oral 20-hydroxyecdysone (20E) in adults with severe COVID-19**

PA1509 Capucine Morelot-Panzini (Paris, France), Bryan Snyder, Suzana Tanni, Ludhmila Abrahao Hajjar, Valerie Pourcher, Girish Nair, Muriel Lins, Edouard Devaud, Jean Mariani, Rene Lafont, Sandrine Rabut, Claudia Ferreira, Cendrine Tourette, Serge Carmelo, Waly Dioh, Stanislas Veillet, Rob Van Maanen, Lee Maddox, Gaëtan Plantefeve, Suzana Lobo

**The impact of COVID-19 infection on eosinophil dynamics**

PA1510 Maral Ranjbar (Hamilton, Canada), Ruth Cusack, Christiane Whetstone, Jennifer Wattie, Lesley Wiltshire, Jennifer Le Roux, Eric Cheng, Thivya Srinathan, Terence Ho, Roma Sehmi, Maryonne Snow-Smith, Michelle Makiya, Amy Klion, Mylinh Duong, Gail Gauvreau

**A perspective on COVID-19 hospitalised patients across Europe: data from the END-COVID CRC**

PA1511 Mattia Nigro (Milan, Italy), Claudia Valenzuela, Marko Lucijanic, Vladimir Koblicek, Rosario Menendez, Alessandra Bandera, Raffaele Antonelli-Incalzi, Cormac Mccarthy, Merel Hellemons, Philippe Lambin, Branislava Milenkovic, Sara Tomassetti, Florin Mihaltan, James Chalmers, Stefano Aliberti

**Clinical analysis of 6 patients with severe COVID-19 pneumonia who underwent pathological autopsy**

PA1512 Manabu Suzuki (Tokyo, Japan), Yuriko Terayama, Clara So, Akinari Tsukada, Chie Morita, Takashi Katsuno, Yusaku Kusaba, Yoshie Tsujimoto, Akane Ishida, Masao Hashimoto, Kento Misumi, Hideki Miyazaki, Jin Jin, Hiroshi Nokihara, Shinyu Izumi, Toru Igari, Masayuki Hojo, Haruhito Sugiyama

**The early impact of COVID-19 vaccines on major events in pulmonary, cardiac, and thromboembolic disease: a nationwide retrospective cohort study**

PA1513 Myeong Geun Choi (Seoul, Republic of Korea), Min-Ho Kim, Eun Mi Chun

**Persistent SARS-CoV-2 infection: the aftermath of the pandemic.**

PA1514 Stylianos Loukides (Athens, Greece), Elvira Markela Antonogiannaki, Emmanouil Karofylakis, Andromachi Blizou, Myrto Blizou, Christina Anagnostopoulou, Maria Kanakaki, Stefanos Lampadakis, Eleni Ntalaouti, Angelos Vontetsianos, Eleni Stagaki, Vasiliki Apollonatonou, Ilectra Voulgareli, Thomas Raptakis, Effrosyni D. Manali, Sotirios Tsiodras, Spyros A Papiiris, Konstantinos Thomas

**Air Pollution and post-acute sequelae of Covid-19: a multicentric study based on the EuCARE Project**

PA1515 André Almeida (Lisboa, Portugal), Alessandro Cozzi-Lepri, Massimo Staffoglia, Maria Francesca Greco, Julia Caporali, Mariella Santoro, Federica Nobile, Joana Monjardino, Taciana Albuquerque, Francesca Bai, Giulia Marchetti, Hugo Tente, Anderson Rudke, Rizzieri Pedruzzi, Marco Ianetta, Daniele Spalletta, Luca Marioti, Francesca Incardona, Cristina Toscano, Ana Abecasis, Carlos Figueiredo, Thierry Mertens

**Long COVID: A risk factor for anxiety, depression, and suicidality?**

PA1516 Neslihan Özçelik (Rize, Turkey), Songül Ozyurt, Elvan Senturk Topaloglu, Aziz Gumus, Cicek Hocaoglu, Unal Sahin

**Muscle Mass and COVID-19: Exploring the Prognostic Value of Sarcopenia through Psoas Volume Analysis using Artificial Intelligence Technology**

PA1517 Yoshitaka Wakabayashi (Tokyo, Japan), Shin Nakayama, Ai Yamamoto, Kyungho Chang, Takatoshi Kitazawa, Kazuhisa Tsukamoto

- PA1518** **Comparison of RSV, influenza and COVID-19 clinical characteristics in hospitalized adults in Valladolid–Spain, 2010–2022**  
ELEFThERIOS MARKATIS (Athens, Greece), Mariana Haeberer, Rong Fan, Marina Toquero Asensio, Alejandro Martín Toribio, Quin Liu, Yongzheng He, Sonal Uppal, Caihua Liang, Elizabeth Begier, Jose M. Eiros, Javier Castrodeza Sanz, Ivan Sanz-Muñoz
- PA1519** **Transaminases and their association with disease severity and mortality in patients with Corona Virus Disease (COVID-19) in a tertiary hospital in the Philippines**  
JONI RANADA-CAMAQUIN (Batac City, Philippines), Ma. Blanca Kua
- PA1520** **Outcomes of two kinds of 3CLpro inhibitors in delayed treatment of COVID-19 patients with diabetes**  
qiongjiao wang (Kunming, China)
- PA1521** **Retrospective analysis on Nirmatrelvir versus Simnoretrelvir for adults with moderate to severe COVID-19.**  
ling liu (Kunming, China), Long Yang, Qiuqi Wei, Huangjin He, Wenqian Zhao, Liu Yang
- PA1522** **Greater COVID-19-related healthcare utilisation with multimorbidity versus single or immunocompromised conditions**  
Irina Zografaki (Neo Psychiko, Greece), Frank Ernst, Leah Mc Grath, Laura Choi, Alejandro Cané, Florin Draica, Lili Jiang, Santiago Lopez, Daniel Curcio
- PA1523** **The Impact of Early Antibiotic Use on Clinical Outcomes of Patients Hospitalized with COVID-19: A Propensity Score-Matched Analysis.**  
Yishan Duan (Chengdu, China), Jing Wang, Jinrui Hu, Bojiang Chen, Weimin Li
- PA1524** **Cytokines profile in COVID-19 patients during and following hospitalization**  
Dan Padawer (Jerusalem, Israel), Fares Darawshy, Yaser Salaymeh, Abed Qadan, Neville Berkman

PS-27

Session 150

12:30 - 14:00

## Poster session: Diagnostic pearls in lung cancer

Disease(s) : Thoracic oncology

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

Tag(s) : Clinical

Chairs : Amanda Dandanell Juul (Odense S, Denmark), Eric Daniel Tenda (Jakarta, Indonesia)

- PA1525** **Limited diagnostic yield of urgent haemoptysis referrals to lung cancer clinics**  
Camilla Conta (Howth, Ireland), David Quigley, Laura Piggott, Parthiban Nadarajan
- PA1526** **Diagnostic performance of bronchial washing fluid NGS by clinical characteristics of lung cancer**  
Jeong Seon Ryu (Incheon, Republic of Korea), Jun-Hyeok Lim, Woo-Kyung Ryu
- PA1527** **Ultrasound-guided (USG) Tru-Cut biopsies of thoracic masses performed by respiratory physicians.**  
Viktoria Oakden (Stoke-on-Trent, United Kingdom), Amna Salman, Muhammad Ganaie
- PA1528** **Efficacy of imaging-guided transthoracic needle lung biopsy - a single center retrospective study**  
Cristian Pintilie (Bucharest, Romania), Athir Eddan, Vlad Ștefan Băcioiu, Ștefania Florina Oprea, Cristina Sanda, Paula Copil, Daniel Mușetescu, Radu Matache, Claudia Lucia Toma
- PA1529** **EBUS for Lung Cancer: Our Experience Over 5 Years**  
Abhimanyu Lal (Solihull (West Midlands), United Kingdom), Grace Pink, M. Bilal Niazi, Muhammad Sarfraz, Eleanor Hartree
- PA1530** **Comparison of the diagnostic effect of EBUS-TBNA versus conventional bronchoscopic biopsy in patients with lung cancer who exhibit external bronchial stenosis**  
Xin He (Beijing, China), Ailin Yang, Shan Nie, Bo Wu, Yanjun Wu, Nan Jia, Zhigang Yao
- PA1531** **Implementation of rigid bronchoscopy safety protocols in lung cancer diagnosis**  
Georgia Hardavella (Athens, Greece), Ioannis Karampinis, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou
- PA1532** **Long-term Diagnostic Yield for Navigational Bronchoscopy: Analysis of Over 600 Procedures**  
Arvind Muthirevula (Leeds, United Kingdom), Joshil Lodhia, Elaine Teh, Marco Nardini, Alessandro Brunelli, Richard Milton, Kostas Papagiannopoulos, Peter Tcherveniakov, Nilanjan Chaudhuri

- PA1533** **Transbronchial peripheral forceps biopsy without direct guidance in suspected pulmonary oncological lesions – analysis of 189 consecutive patients**  
Natalia Motas (Bucuresti, Romania), Veronica Manolache, Vlad Alexe, Madalina Cristiana Mizea, Madalin Tetu, Ovidiu Rus, Elena Jianu, Alin Burlacu, Liviu Verinceanu, Dragos Sion, Nicolae Gheorghiu, Catalina Ceausescu, Mihnea Dan Davidescu
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- PA1534** **Effectiveness of argon plasma coagulation in patients with haemoptysis caused by malignancies**  
Luca Alessandro Belmonte (Belvedere Marittimo, Italy), Giovanni Sotgiu, Andrea Baccelli, Momen Mohammed Wahidi, Laura Saderi, Paolo Carlucci, Fausta Alfano, Rocco Rinaldo, Gabriele Guido, Carmelo Intravaia, Andrea Luciani, Paolo Busatto, Stefano Centanni, Michele Mondoni
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- PA1535** **Percutaneous CT-guided thermal ablation of primary lung cancer**  
Elissavet Konstantelou (Athens, Greece), Georgia Hardavella, Avraam Assi, Marianna Dimitrakopoulou, Aikaterini Kosma, Evangelos Lianos, Evangelos Fergadis, Anna Ntokou, Nikolaos Charalampakis, Elissaios Kontis, Ioannis Karampinis, Nikolaos Bolanos, Nikolaos Zias, Christos Kosmas, Konstantinos Stefanidis
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- PA1536** **Utility of cryobiopsy for diagnosis of mucinous adenocarcinoma**  
Aki Ikeda (Toyoake, Japan), Yuko Oya, Takaya Sato, Tomoya Horiguchi, Yasuhiro Goto, Naozumi Hashimoto, Masashi Kondo, Kazuyoshi Imaizumi
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- PA1537** **Navigated Superselective Intrabronchial Brachytherapy for peripheral lung cancer: an old technique plays a new role**  
Yishi Li (Chongqing, China), Longhao Li
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- PA1538** **Urine metabolomics can discriminate between NSCLC or SCLC**  
Tina Kramarić (Aberystwyth, United Kingdom), Andrine Vangberg, Manfred Beckmann, David Rooke, Luis A J Mur, Keir E Lewis
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- PA1539** **The electronic nose in lung cancer diagnostics: A systematic review and meta-analysis**  
Oke Dimas Asmara (Leeuwarden, Netherlands), Eline G.M. Steenhuis, Oke D. Asmara, S. Kort, Mirell H.G. Papenhuijzen, Nic J.G.M. Veeger, Michel M. Van Den Heuvel, Wouter H. Van Geffen
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- PA1540** **DIAGNOSTIC YIELD AND SAFE OF RADIAL ENDOBRONCHIAL ULTRASOUND (R-EBUS) FOR PERIPHERAL PULMONARY LESIONS (PPLs) IN BEGINNERS**  
Irene Lojo-Rodriguez (Vigo (Pontevedra), Spain), Ignacio Fernández-Granda, Maria Isabel Botana Rial, Manuel Nuñez-Delgado, Almudena González-Montaos, Fernando Vargas-Ursua, Alberto Fernández-Villar
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- PA1541** **Morphological tumor-infiltrating lymphocytes evaluation in biopsies from patients with non-small cell lung carcinoma: useful or useless?**  
Soumaya Debiche (Le Kram, Tunisia), Hela Cherif, Sarra Ben Rjab, Feriel Ben Soltana, Sirine Daoud, Mariem Triki, Salma Mokaddem, Ferdaous Yangui, Mohamed Ridha Charfi
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- PA1542** **Early Results of Clinical Trial with nsCanary: Digital ROSE Device for Bronchoscopic Biopsy Evaluation**  
Efrain Sanchez Angarita (Guayaquil, Ecuador), Federica Dibennardo, Galo Chang, Martina Guidetti, Onur Fidaner, Daniel Gehrke, Donato Ceres, Margaret John, Constantine Bovalis, Les Bogdanowicz
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- PA1543** **The Impact of PET/CT Parameters on Survival in Small Cell Lung Cancer**  
Merve Ayık Türk (Izmir, Turkey), Mücahit Fidan, Nurşin Ağuloğlu, Sinan Çolak, Özgür Batum, Berna Kömürcüoğlu

PS-28

Session 151

12:30 - 14:00

**Poster session: Novel diagnostics and monitoring strategies in interstitial lung disease****Disease(s) :** Interstitial lung diseases Airway diseases Sleep and breathing disorders**Method(s) :** Pulmonary function testing Pulmonary rehabilitation General respiratory patient care Endoscopy and interventional pulmonology Imaging Cell and molecular biology Epidemiology Public health Physiology**Tag(s) :** Clinical**Chairs :** Laurens De Sadeleer (Leuven, Belgium), Katharina Buschulte (Heidelberg, Germany)

- PA1544** **Cone Beam Computed Tomography improves location of transbronchial cryobiopsy in interstitial lung disease with limited extent**  
Claudia Ravaglia (Forlì, Italy), Giovanna Vignigni, Antonio Vizzuso, Alessandra Dubini, Enrico Petrella, Emanuela Giampalma, Stefano Maitan, Arianna Johanna De Grauw, Sara Piciocchi, Venerino Poletti
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- PA1545** **Impact Confocal laser endomicroscopy (pCLE) findings on long-term outcome in interstitial lung diseases (ILD)**  
Frank Reichenberger (Munich, Germany), Daniel Hamberger, Edith Silbernagel, Juergen Behr, Elvira Stacher-Priehse, Wolfgang Gesierich



- PA1546 Safety and utility of transbronchial lung cryobiopsy re-assessment in progressive interstitial lung disease**  
Chieri Yamada (Kawasaki, Japan), Takashi Niwa, Kazushi Fujimoto, Masashi Sakayori, Tsuneyuki Oda, Hideya Kitamura, Tomohisa Baba, Eri Hgiwara, Tae Iwasawa, Tamiko Takemura, Takashi Ogura
- PA1547 Diagnostic role of tissue acquisition in patients with minimal fibrotic changes and normal lung functions**  
Martina Bonifazi (Ancona (AN), Italy), Claudia Ravaglia, Francesca Gonnelli, Federico Mei, Lina Zuccatosta, Majed Refai, Gaia Goteri, Francesca Barbisan, Marina Carotti, Alessandra Dubini, Alessandra Borgheresi, Sara Piciucchi, Venerino Poletti
- PA1548 Clinical predictors for IPF in an unclassified patient population with indication to transbronchial cryobiopsy**  
Markus Polke (Heidelberg, Germany), Jana Reinhard, Michael Kreuter, Katharina Buschulte, Johannes Flick, Monika Eichinger, Claus Peter Heußel, Michael Allgäuer, Nikolaus Kneidinger, Philipp Höger, Julia D. Michels-Zetsche, Matthias Grott, Konstantina Kontogianni, Ralf Eberhardt, Felix J. Herth, Franziska C Trudzinski
- PA1549 Genomic profiling by next-generation sequencing of idiopathic pulmonary fibrosis in Sardinia**  
Sara Solveig Fois (Sassari, Italy), Ivana Persico, Barbara Piras, Antonio Cossu, Stefania Casula, Giuseppe Salvatore Porcu, Roberto Perra, Pietro Pirina, Alessandro Giuseppe Fois, Giuseppe Palmieri, Panagiotis Paliogiannis
- PA1550 Diagnostic confirmation ability of multidisciplinary group aided by Telehealth for interstitial lung diseases (ILD) with undetermined diagnosis.**  
Gabriella Gomes de Carvalho (BOTUCATU, Brazil), Bruno Deo De Oliveira, Bruno De Mattos Freire, Luís Maurício Batalin Júnior, Julio Cesar De Oliveira, Thomaz Almeida Vargas, Gabriel Couto Bueno, Marcel Koenigkam Santos, Alexandre Todorovic Fabro, Simone Alves Do Vale, Talita Jacon Cezare, Sergio Marrone Ribeiro, Robson Prudente, Estefânia Franco, Suzana Erico Tanni
- PA1551 Don't be wed to your classification model: deep learning-based models to diagnose idiopathic pulmonary fibrosis using computed tomography**  
GraceHyun Kim (Los Angeles, United States), Wenxi Yu, Michael Mcnitt-Gray, Pangu Teng, Matthew Brown, Goldin Jonathan
- PA1552 Deep learning in the diagnosis of idiopathic pulmonary fibrosis**  
Gulfem Ozduygu (BAHÇELİEVLER, Turkey), Gulsum Ari, Nevra Bayhan, Sedat In, Hasan Tiryaki, Ali Aslan Demir, Gulfer Okumus, Zuleyha Bingol
- PA1553 Idiopathic Pulmonary Fibrosis (IPF) and Hypersensitivity Pneumonitis (HP): Comparison of GAP, ILD-GAP, CPI Models**  
Fulya Senem KARAAHMETOĞLU (İstanbul, Turkey), Burcu Babaoğlu, Elif Tanrıverdi, Mustafa Çörtük, Kürşad Nuri Baydili, Erdoğan Çetinkaya
- PA1554 To compare one-minute sit-to-stand test with six-minute walk test to assess exercise induced oxygen desaturation in interstitial lung disease**  
Deekshith Kolluri (Pune, India), Shabina Faruqi, Rahul Lokhande, Sanjay Gaikwad
- PA1555 Could the 6-Minute-Walk-Test be a shorter duration and still show significant oxygen desaturation in interstitial lung disease?**  
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Joseph Newman, Karl Sylvester
- PA1556 Exploring small airways disease in IPF patients: insights from oscillometry analysis**  
Ourania Kotsiou (Larissa, Greece), Paraskevi Kirgou, Konstantinos Gourgoulialis, Zoe Daniil
- PA1557 Assessing small airways in interstitial lung diseases: The use of oscillometry**  
Vasilina Sotiropoulou (Patras, Greece), Matthaios Katsaras, Dionysios Papalexatos, Antonios Christopoulos, Ourania Papaioannou, Panagiotia Tsiri, Georgios Tsirikos, Electra Koulousousa, Eva Theochari, Ioannis Christopoulos, Dimitrios Komninos, Alexandra Pandi, Elli Malakounidou, Vasiliki Georgiopoulou, Maria Tsiamita, Kyriakos Karkoulas, Dimosthenis Lykouras, Fotios Sampsonas, Argyris Tzouvelekis
- PA1558 A Comparison of Pulmonary Function Test (PFT) Trajectories in Idiopathic Pulmonary Fibrosis (IPF) and Combined Pulmonary Fibrosis and Emphysema (CPFE) Syndrome**  
Christopher C. Huntley (Bromsgrove, United Kingdom), Paul Ellis, Shivani Kanabar, Michael N Armitage, Pathrabali Mitra, Maximillian Thomas, P. Sherwood Burge, Gareth I Walters, Alice M Turner
- PA1559 From a different angle: Diagnostic Performance of the Beta Angle in Idiopathic Pulmonary Fibrosis versus Chronic Hypersensitivity Pneumonitis – A Cross-Sectional Study**  
Joaquin Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Jesica Daiana Nuñez, Ignacio Cesar Rodriguez, Horacio Matías Castro, Hernán Javier Benito, Clara Torres Cabrerós
- PA1560 Prevalence of Interstitial Lung Abnormalities (ILA) in the general population and specific radiological patterns**  
Giada Maria Capizzi (Palermo, Italy), Nunzia Cannizzaro, Riccardo Messina, Francesco Battista, Irene Di Leo, Rosangela Di Liberti, Domenico Salvatore Gagliano, Emanuele Grassedonio, Nicola Scichilone

**PA1561** **Neither obstructive sleep apnea nor nocturnal hypoxemia is associated with mortality in idiopathic pulmonary fibrosis patients**  
Line Kølner-Augustson (Hørning, Denmark), Thomas Skovhus Prior, Elisabeth Bendstrup

**PA1562** **REM-associated obstructive sleep apnoea in interstitial lung disease associates with more severe disease**  
Katherine Myall (London, United Kingdom), Jennifer Martinovic, Eui-Sik Suh, Alex West, Brian Kent

**PA1563** **The relation between gastroesophageal reflux and pulmonary findings on CT in a general population**  
Össur Ingi Emilsson (Uppsala, Sweden), Andrei Malinowski, Åse Johnsson, Mirjam Ljunggren, Anders Blomberg, Ida Pesonen, Magnus Sköld, Carl-Johan Östgren, Tomas Hansen

PS-29

Session 152

12:30 - 14:00

Poster session: Deep in clinical dilemmas of non-idiopathic interstitial lung diseases

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

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

Tag(s) : Clinical

Chairs : Paolo Spagnolo (Padova (PD), Italy), Gautam George (Philadelphia, United States)

**PA1564** **Drug-induced interstitial lung disease: a nationwide observational study over 37 years using the French pharmacovigilance database**  
Sophie Yavordios (Lyon, France), Guillaume Beltramo, Romane Freppel, Frédérique Beau Salinas, Christine Le Beller, Kévin Bihan, Marjolaine Georges, Philippe Camus, Aurélie Grandvullemin, Philippe Bonniaud

**PA1565** **Comparative risk of interstitial lung disease (ILD) among Trastuzumab Deruxtecan (T-DXd) and other anti-breast cancer drugs: a VigiBase pharmacovigilance study approach.**  
Lana Elu (Paris, France), Kevin Bihan, Anthony Canellas, Marc-Antoine Bendersa, Paul Gougis, Joseph Gligorov, Bénédicte Lebrun-Vignes, Jacques Cadranel

**PA1566** **Pneumotoxicity ASSociated With Rheumatological Drugs (PASSWRD) – A modified Delphi**  
Nazia Chaudhuri (Limavady, United Kingdom), Manjit Carlidge, Kevin Brown, Tamera Corte, Philippe Dieude, Clive Kelly, Dinesh Khanna, Euan Mcrorie, Lisa Nicol, Gareth Stewart, Simon Walsh, Marlies Wijzenbeek, Nikhil Hirani

**PA1567** **Efficacy and safety of Immune Checkpoint Inhibitors in Lung Cancer Patients with Combined Pulmonary Fibrosis and Emphysema**  
Haruka Chin (Sibuya, Japan), Minoru Inomata, Keita Sakamoto, Ken Ito, Akari Misumi, Takashi Maeda, Yu Ito, Nobuyasu Awano, Naoyuki Kuse, Takehiro Izumo

**PA1568** **Understanding the Effects of COVID-19 on Respiratory Function: Insights from Interstitial Lung Disease**  
Imen Talbi (Sousse, Tunisia), Soumaya Khaldi, Khoulood Kchaou, Soumaya Rebai, Yosra Abdelhedi, Saloua Ben Khamsa Jameleddine

**PA1569** **Longitudinal Outcomes and Risk Factors Associated with COVID-19 Pulmonary Fibrosis : A Comprehensive Analysis.**  
Won Jin Yang (Seoul, Republic of Korea, Republic of Korea), Ye Seul Seong, Yong Jun Choi, Chi Young Kim, Hye Jung Park, Jae Hwa Cho, Min Kwang Byun

**PA1570** **Prevalence and impact of SARS-CoV-2 infection in interstitial lung disease patients: an exploratory experience in two tertiary centers in South Italy**  
Iudovica Capitelli (San Nicola la Strada, Italy), Luigi Massari, Antonio Russo, Arcangela Di Domenico, Gaetano Rea, Fausto De Michele, Marialuisa Bocchino

**PA1571** **Long-term Experience in Fibrotic Hypersensitivity Pneumonitis: A Comprehensive Study of Progressive Pulmonary Fibrosis at a Tertiary Center**  
Maria Florencia Pilia (Barcelona, Spain), David Espejo, Christian Romero, Ana Villar, Xavier Muñoz, M Jesus Cruz, Iñigo Ojanguren

**PA1572** **Prevalent comorbidity in patients with hypersensitivity pneumonitis: a UK primary care population study**  
Daryl Cheng (London, United Kingdom), Burcu Ozaltin, Muhammed Qummer Ul Arfeen, Natalie Fitzpatrick, Harry Hemingway, Kenan Direk, Joseph Jacob

**PA1573** **Hypersensitivity Pneumonitis with and without Autoimmune Features: a comparative analysis at diagnosis**  
Joana Catarina Neto Lourenço (Porto, Portugal), Sofia Castro, David Barros Coelho, André Terras Alexandre, Natália Melo, Patrícia Caetano Mota, Hélder Novais Bastos, António Morais

**PA1574** **Hypersensitivity pneumonitis- single center data from Hungary**  
Sarah Brack (Budapest, Hungary), Nóra Melinda Tóth, Alexandra Nagy, Bernadett Mák, Veronika Müller

- PA1575** **Impact of different diagnostic criteria in hypersensitivity pneumonitis: a center's experience**  
Rita Vasconcelos Rodrigues Pereira (Cinfães, Portugal), Ana Luísa Fernandes, Joana Lourenço, Maria João Moura, Márcia Araújo, Inês Neves
- PA1576** **Recurrence risk factors for organizing pneumonia: a single-center retrospective cohort study**  
Yuki Sato (Kamogawa, Chiba, Japan), Hiroyuki Ito, Jun Hayashi, Hiroki Matsui, Kei Nakashima
- PA1577** **Approaches in diagnosis, follow-up and treatment of patients with progressive pulmonary fibrosis: a questionnaire study**  
Nilgün Yılmaz Demirci (Ankara, Turkey), Ceyda Anar, Oğuzhan Okutan, Berna Akıncı Özyürek, Funda Coşkun, Ezgi Erdem Türe
- PA1578** **A rapid diagnostic circuit for ILD improves the patient journey**  
Guadalupe Bermudo Peloché (Barcelona, Spain), Pilar Rivera, Vanesa Vicens, Belen Del Rio, Elisabet Serra, Francisco Ferrer, Lurdes Planas, Santiago Bolívar, Roger Llatjós, Salud Santos, Patricio Luburich, Maria Molina
- PA1579** **Integrating forced vital capacity and fibrotic radiological score in interstitial lung disease (FIBRO-ILD)**  
Chen Yong Tan (Kuala Lumpur, Malaysia), Normasuhaila Abd Hamid, Mohd Syahin Syahira Lilah, Aishah Sulaiman, Noor Emillia Illa, Siti Rohani Mohd Yakop, Zuhani Abd Hamid, Syazatul Syakirin Sirol Aflah
- PA1580** **Systemic Sclerosis: Can Breathomics Monitor Interstitial Lung Disease?**  
Thibault Massenet (Liège, Belgium), Judith Potjewijd, Rachid Tobal, Fanny Gester, Delphine Zanella, Monique Henket, Makon-Sébastien Njock, Thibaut Dejong, Gregory Gridelet, Laurie Giltay, Françoise Guissard, Béatrice André, Cléo Ribbens, Renaud Louis, Pieter Van Paassen, Julien Guiot, Pierre-Hugues Stefanuto
- PA1581** **Home environmental fungal exposure in patients with Hypersensitivity Pneumonitis**  
David Jorge Araújo Barros Coelho (Braga, Portugal), João Cavaleiro Rufo, Rita Santos, Catarina Cardoso, André Carvalho, Conceição Souto Moura, Susana Guimarães, André Terras Alexandre, Patricia Mota, Natalia Melo, Helder Novais Bastos, Antonio Morais
- PA1582** **Comparing CPET and 6MWT for Assessing Exercise Capacity in Systemic Sclerosis Patients with Pulmonary Involvement**  
Łukasz Minarowski (Białystok, Poland), Agnieszka Chwiedź, Jakub H. Mróz, Katarzyna Guziejko, Emilia Krupko, Magdalena Bagrowska, Ewa Góndzieńska-Sieškiewicz, Otylia Kowal-Bielecka, Robert M. Mróz
- PA5626** **RCT Abstract - Inhaled molgramostim improves pulmonary gas exchange and respiratory health-related quality of life (HRQoL) in patients with autoimmune pulmonary alveolar proteinosis (aPAP): Results from IMPALA-2**  
Bruce Trapnell (Cincinnati, United States), Yoshikazu Inoue, Francesco Bonella, Tisha Wang, Cormac Mc Carthy, Brian Robinson, Rosanna Fleming, Yasmine Wasfi, Raymond Pratt

**PS-3** **Session 153** **12:30 - 14:00****Poster session: Athletes, sport, exercise intervention and altitude: an olympic physiology challenge****Disease(s)** : Airway diseases Sleep and breathing disorders Pulmonary vascular diseases**Method(s)** : General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Physiology Surgery Imaging Epidemiology Public health**Tag(s)** : Clinical**Chairs** : James H. Hull (London, United Kingdom), Hayley Lewthwaite (Merewether, Australia)

- PA1584** **Prevalence of exercise-induced bronchoconstriction in adolescent cross-country skiers using exercise challenge test in sub-zero air.**  
Linda Ek (Östersund, Sweden), Helen Hanstock, Mats Ainegren, Anne Lindberg, Nikolai Stenfors
- PA1585** **Assessing if Dysfunctional Breathing is associated with performance in endurance athletes**  
João V. Hermógenes de Souza (São Paulo, Brazil), Juliana M. B. Santos, Guilherme B. Rodrigues, Celso R. F. Carvalho, Helena S. Batko
- PA1586** **Expiratory flow limitaiton and respiratory muscle metaboreflex in young and master athletes of both sexes**  
Valentin Mons
- PA1587** **Investigation of exertional dyspnoea by cardiopulmonary exercise testing with continuous laryngoscopy.**  
Mark Hew (Melbourne (VIC), Australia), Joy Lee, Eve Denton, Logan Gardner, Tiffany Lin, Asger Sverrild, Mahesh Dharmakumara, Brigitte M Borg
- PA1588** **Treadmill running vs treadmill hill walking: the impact on ventilatory and thoraco-abdominal patterns**  
Antonella LoMauro (Milano (MI), Italy), Christian Pozzi, Andrea Aliverti

- PA1589** **Respiratory rate and pulse rate can be reliably monitored during dynamic activities with wearables**  
Alessandra Angelucci (Milano, Italy), Federica Camuncoi, Federica Dotti, Filippo Bertozzi, Manuela Galli, Marco Tarabini, Andrea Aliverti
- PA1590** **The impact of locomotor respiratory coupling on ventilatory and thoraco-abdominal breathing patterns during running**  
Antonella LoMauro (Milano (MI), Italy), Christian Pozzi, Andrea Aliverti
- PA1591** **Pulmonary hemodynamics by echocardiography over two days of acclimatization in lowlanders with chronic obstructive pulmonary disease traveling to high altitude.**  
Julian Müller (Zürich, Switzerland), Konstantinos Bitos, Simon R. Schneider, Omuralieva Adilet, Mona Lichtblau, Michael Furian, Talant Sooronbaev, Konrad E. Bloch, Silvia Ulrich
- PA1592** **Reduced exercise ventilatory efficiency at moderate altitude**  
Matteo Morviducci (Roma, Italy), Luigi Panza, Daniel Piamonti, Iliaria Menichini, Gianluca Paciucci, Giulia Prezioso, Flavio Marco Mirabelli, Marco Brunori, Matteo Bonini, Paolo Palange
- PA1593** **Effectiveness of a HIIT exercise program in post-infectious bronchiolitis obliterans: preliminary results from a RCT**  
Fernanda Salazar Pérez (Barcelona, Spain), Amanda Ferrer Barberá, Ángela Blanco Velasco, Lina Keijzer Dubarry, Cristina De Fuentes Miret, Elena Tundidor Canfran, David Blanco De Tena-Dávila, Marta Amor Barbosa, Tamara Iturriaga Ramirez, Inés De Mir Messa, Ana Díez Izquierdo, Olaia Sardon Prado, Erika Rezola Arcelus, Margarita Pérez Ruiz, Verónica Sanz Santiago, Márcio Vinícius Fagundes Donadio
- PA1594** **Breathless challenges – understanding airflow limitation in exercise intolerance**  
Susana Maria Gonçalves Clemente (Lisbon, Portugal), Marco Pereira, Ana Lutas, Teresa Pequito, Ana Ladeira, André Sequeira, Andreia Isidoro, Sofia Furtado
- PA1595** **Changes in lung function and exercise capacity in young people after posterior spinal fusion (PSF) for adolescent idiopathic scoliosis (AIS)**  
Laura Jess (Edinburgh, United Kingdom), Kaustubh Ahuja, Athanasios Tsirikos, Donald Urquhart
- PA1596** **Impacts of Regular Physical Activity on Hospitalization in Chronic Obstructive Pulmonary Disease: A Nationwide Population-based Study**  
Hyeon Kyun Noh (Cheongju, Republic of Korea), Ji-Yong Moon, Hyun Lee, Kang Hyeon Choe, Bumhee Yang
- PA1597** **Exploring abnormal breathing strategies and deconditioning in individuals with elevated trunk fat mass**  
Tai Tran Quoc (Ho Chi Minh, Vietnam), Quan Vu Tran Thien, Anh-Thu Huynh Dang, Thu Nguyen Ngoc Phuong, Vinh Nguyen Nhu
- PA1598** **Cardiopulmonary exercise test (CPET) in people with Cystic Fibrosis on elexacaftor/tezacaftor/ivacaftor therapy**  
Mariangela Retucci (Milan, Italy), Andrea Gramegna, Crizia Colombo, Simone Gambazza, Alessandra Mariani, Serena Tammaro, Marco Vicenzi, Maria Russo, Irene Tomarelli, Valeria Daccò, Francesco Blasi
- PA1599** **Reviewing postoperative cardiorespiratory morbidity in patients assessed by CPET: a 10-year experience**  
Joana Da Silva Cruz Gameiro Duarte (Oeiras, Portugal), Rita Enriquez, Teresa Martin, Susana Clemente, Filipa Todo Bom
- PA1600** **Improvement of walking capacity in patients with Alpha1-antitrypsin deficiency after augmentation therapy**  
Rocco Accogli (Parma, Italy), Alessandra Marchese, Annalisa Frizzelli, Alessandro De Simoni, Gaetano Caramori, Alfredo Chetta, Marina Aiello
- PA1601** **A detailed analysis of body composition in relation to cardiopulmonary fitness**  
Per Karlsson (Uppsala, Sweden), Robin Strand, Joel Kullberg, Håkan Ahlström, Lars Lind, Andrei Malinovski
- PA1602** **THE RELATIONSHIP BETWEEN FEV1, DLCO and VO2max TENDS TO DECREASE WITH ALTITUDE**  
Pedro José Romero Palacios (Peligros, Spain), Bernardino Alcázar Navarrete, Rocío Torres Gervilla, María Wenceslao Puya Pérez, Juan Antonio Holgado Terriza, Antonio Arrebola Moreno
- PA1603** **Variation in spirometric indices during a 16-week combined exercise training in sedentary workers: a randomized controlled trial**  
Fernanda M. Silva (Coimbra, Portugal), José P. Ferreira, Ana M. Teixeira, Diogo Monteiro, Pedro Duarte-Mendes

PS-30

Session 154

12:30 - 14:00

Poster session: Novel aspects in pulmonary hypertension pathobiology

Disease(s) : Pulmonary vascular diseases

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

Tag(s) : Translational

Chairs : Christina A. Eichstaedt (Heidelberg, Germany), Andrea Olschewski (Graz, Austria)

- PA1604 Pulmonary hypertension in patients carrying FLNA loss-of-function variants**  
Laura Stourm (Tregomeur, France), Julien Grynblat, Laurent Savale, Thomas Lacoste-Palasset, Xavier Jais, Florence Coulet, Marilyne Levy, Damien Bonnet, Olivier Meyrignac, Olivier Sitbon, François Goupil, Marc Humbert, Frederic Gagnadoux, David Montani
- PA1605 Pulmonary vascular phenotype identified in patients with GDF2 (BMP9) or BMP10 variants: An international multicentre study**  
Julien Grynblat (Paris, France), Harm Jan Bogaard, Melanie Eyries, Olivier Meyrignac, Laurent Savale, Xavier Jais, Maria-Rosa Ghigna, Lucas Celant, Arjan Houweling, Lilian Meijboom, Marilyne Levy, Fabrice Antigny, Ari Chaouat, Vincent Cottin, Olivier Sitbon, Damien Bonnet, Marc Humbert, David Montani
- PA1606 Glycoprotein IIb/IIIa-ICAM-1 mediated platelet-endothelial adhesion aggravates pulmonary hypertension**  
Bai Qianwen (Guangzhou, China), Tao Wang
- PA1607 LncRNA MIR210HG promotes phenotype switching of pulmonary arterial smooth muscle cells through autophagy-dependent ferroptosis pathway**  
Ran Wang (Hefei (Anhui), China), Enze Wang, Binbin Zhang, Ling Huang, Pulin Li, Rui Han, Sijing Zhou, Daxiong Zeng
- PA1608 Increased DNA Methylation: A Potential Therapeutic Target in Pulmonary Arterial Hypertension**  
Reem El Kabout (Quebec, Canada), Antonella Abi Sleimen, Sandra Breuils Bonnet, Alice Bourgeois, Melanie Sauvaget, Sandra Martineau, Sarah-Eve Lemay, Charlotte Romnet, Charlie Théberge, Olivier Boucherat, Steeve Provencher, Sebastien Bonnet, François Potus
- PA1609 Aurora kinase B: A New Therapeutic Target in PAH**  
Sarah-Eve Lemay (Quebec, Canada), Manon Mouglin, Mélanie Sauvaget, Reem El Kabbout, Keiko Yamamoto, Sandra Martineau, Andréanne Pelletier, Yann Grobs, Alice Bourgeois, Charlotte Romanet, Sandra Breuils-Bonnet, Charlie Théberge, François Potus, Steeve Provencher, Sébastien Bonnet, Olivier Boucherat
- PA1610 Exploring P300/CBP as therapeutic targets for pulmonary arterial hypertension and right ventricular failure**  
Alice Bourgeois (Québec, Canada), Sarah-Eve Lemay, Yann Grobs, Charlotte Romanet, Charlie Théberge, Mélanie Sauvaget, Sandra Martineau, Sandra Breuils-Bonnet, François Potus, Steeve Provencher, Olivier Boucherat, Sébastien Bonnet
- PA1611 IL-6 regulates GATA6 gene promoter methylation by activating the JAK2/STAT3 signaling pathway to promote PSMCs proliferation**  
Weijia Liu (Guiyang, China), Xunping Wu, Jie Luo, Jianxiong Liao
- PA1612 Narciclasine as a Novel Therapeutic Target for Pulmonary Arterial Hypertension: Addressing Glycosylation in Disease Pathophysiology.**  
François Potus (Quebec, Canada), Antonella Abi Sleimen, Reem El Kabbout, Sandra Breuils Bonnet, Sandra Martineau, Alice Bourgeois, Mélanie Sauvaget, Charlotte Romanet, Sarah-Eve Lemay, Yann Grobs, Olivier Boucherat, Steeve Provencher, Sebastien Bonnet
- PA1613 Reverse remodeling and anti-proliferative effects of seralutinib in PAH precision-cut lung slices and pulmonary artery smooth muscle cells**  
Soni Savai Pullamsetti (Giessen, Germany), Beate Christiane Schlüter, Ravikumar Sitapara, Eduardo Garcia, Lawrence S. Zisman, Jean-Marie Bruey, Soni Pullamsetti, Ralph Theo Schermuly, Chanil Valasarajan
- PA1614 Utilising self-similarity to model the morphometry of the pulmonary arteries**  
Atefeh Rahimi (Auckland, New Zealand), Joyce John, Kelly S Burrowes, Alys Clark, Farbod N Rahaghi, Raul San Jose Estepar, Merryn Tawhai
- PA1615 Unlocking the Potential of Genetic Research in Pulmonary Arterial Hypertension: Insights from Clinicians, Researchers and Study Team**  
Emilia Maria ŚWIETLIK (CAMBRIDGE, United Kingdom), Michaela Fay, Nicholas W Morrell
- PA1616 Pathogenic variants of genes associated with pulmonary arterial hypertension (PAH): Insights from Trans-Omics for Precision Medicine (TOPMed) study participants**  
Vasile Foris (Graz, Austria), Adel Boueiz, Kangjin Kim, Courtney Tern, Edwin K Silverman, Michael H Cho
- PA1617 Understanding what drives Genetic Study Participation: Perspectives of Patients, Carers, and Relatives**  
Emilia Maria ŚWIETLIK (CAMBRIDGE, United Kingdom), Michaela Fay, Nicholas W Morrell
- PA1618 Reduced SOX17 in HPAECs drives CXCL10/11 upregulation and CXCR3-dependant lymphocyte migration in vitro**  
Abdul Mahomed (London, United Kingdom), Ifan Jenkin (London, United Kingdom), Abdul Mahomed, Anne Burke-Gaffney, Quezia Toe, Gregory Quinlan, Christopher Rhodes, James Pease, S John Wort



**Identification of integrin  $\alpha 5 \beta 1$  inhibition as a potentially disease-modifying approach for the treatment of pulmonary arterial hypertension**

PA1619 Monica Montesinos (Waltham, United States), Sarah-Eve Lemay, Parmita Saxena, Hailey Rapisardi, Minh Hai Nguyen, Hae Jin Kim, Muzaffar Akram, Dhawal Jain, Elizabeth H. Konopka, Terence I. Moy, Inese Smukste, Andrew Mcteague, James E. Dowling, Sujan Lama, Jessica Pondish, Qi Qiao, Meghan Monroy, Fu-Yang Lin, Hua Wang, Olivier Boucherat, Melanie Sauvaget, Francois Potus, Sandra Breuils-Bonnet, Charlie Theberge, Steeve Provencher, Adrian S. Ray, Blaise Lippa, Sébastien Bonnet, Bryan Goodwin, Min Lu

**Plexiform lesions in human explant lungs with end-stage pulmonary arterial hypertension:  $\mu$ CT analysis**

PA1620 Gitte Aerts (Leuven, Belgium), Lynn Willems, Laura Hardy, Baptiste De Jonghe, Robin Anthonissen, Astrid Vermaut, Vincent Geudens, Janne Verhaegen, Pieterjan Kerckhof, Charlotte Hooft, Xin Jin, Laurens J. Ceulemans, Tom Verbelen, Emanuele Muscogiuri, Marion Delcroix, Rozenn Quarck, Bart M. Vanaudenaerde, Laurent Godinas

**Role of ATP Citrate Lyase (ACLY) in Vascular Remodeling**

PA1621 Yann Grobs (quebec, Canada), Charlotte Romanet, Sarah-Eve Lemay, Alice Bourgeois, Charlie Theberge, Reem El Kabbout, Pierre Voisine, Melanie Sauvaget, Sandra Breuils-Bonnet, Sandra Martineau, Manon Mougin, Francois Potus, Steeve Provencher, Olivier Boucherat, Sebastien Bonnet

**Late Breaking Abstract - A risk score including parenchymal lung disease improves risk stratification in Group 3 Pulmonary Hypertension**

PA1622 Krit Dwivedi (Sheffield, United Kingdom), Michael Sharkey, Samer Alabed, Catherine Hill, Christopher Johns, Smitha Rajaram, Roger Thompson, Alex Rothman, Robin Condliffe, Andrew Swift, David Kiely

PS-31

Session 155

12:30 - 14:00

**Poster session: Peripheral bronchoscopy: pushing boundaries**

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

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

Tag(s) : Clinical

Chairs : Ales Rozman (Golnik, Slovenia), Francesca Conway (London, United Kingdom)

**Electromagnetic navigation bronchoscopy-guided transbronchial dye marking for localization of peripheral lung lesions.**

PA1623 Ana Reyes Pardessus Otero (Barcelona, Spain), Albert Rafecas-Codern, Juan Carlos Trujillo Reyes, Elisabeth Martinez Tellez, Pere Serra Mitja, Jose Manuel Brenes Castro, Alejandra Libreros Niño, Georgina Planas Canovas, Marta Navarro Colom, Mar Vega Castosa, Alfons Torrego Fernandez, Virginia Pajares Ruiz

**Lung nodules and bronchus sign classification: a retrospective study**

PA1624 Giulia Pastorelli (bologna, Italy), Thomas Galasso, Martina Ferioli, Pasquale Fabio Leggieri, Gian Piero Bandelli, Marco Ferrari, Filippo Natali, Piero Candoli

**CT-based radial endobronchial ultrasound image simulation of peripheral pulmonary lesions using deep learning**

PA1625 Chunxi Zhang (Shanghai, China), Yongzheng Zhou, Chuanqi Sun, Jilei Zhang, Junxiang Chen, Xiaoxuan Zheng, Ying Li, Xiaoyao Liu, Weiping Liu, Jiayuan Sun

**Peripheral nodular lesions: Interventional experience with electromagnetic navigation and diagnostic correlation with radial radial EBUS.**

PA1626 Medardo Montenegro (Madrid, Spain), Maria Jose Bernabé Barrios, Beatriz Morales Chacón, Maria Asunción Nieto Barbero, Iñigo Garcia Peñuela, Jorge Garcia Aragon, Elena Fernandez M

**Suitability of transbronchial biopsies using ultrathin bronchoscope (UTB) and 1.2 mm forceps for genotyping of peripheral pulmonary lesions (PPL)**

PA1627 Giuseppe La Mattina (Palermo, Italy), Michele Gallo, Giuseppe Arcoleo, Giuseppe Adamo, Nicola Scichilone

**Cryobiopsy guided by electromagnetic navigation bronchoscopy for the diagnosis of peripheral lung nodules.**

PA1628 Albert Rafecas-Codern (Barcelona, Spain), Ana Pardessus Otero, Marta Navarro Colom, Mar Vega Castosa, Pere Serra Mitja, Alfons Torrego Fernadez, Virginia Pajares Ruiz

**Comparison of complications between transbronchial lung biopsy using small forceps and cryoprobes during radial probe endobronchial ultrasound for peripheral lung lesions in a fluoroscopy-free environment**

PA1629 Changhwan Kim (Hwaseong-si, Republic of Korea), Jiwon Park

**A randomised controlled study on SuperDimension versus fluoroscopy guided lung cryobiopsies.**

PA1630 Sissel Kronborg-White (Lystrup, Denmark), Stefan Harders, Søren Helbo, Line Madsen, Janne Møller, Venerino Poletti, Thomas Prior, Torben Rasmussen, Sara Tomassetti, Elisabeth Bendstrup

**Differences in diagnostic performance between single-use and reusable cryoprobes for peripheral pulmonary lesions**

PA1631 Yuji Matsumoto (Tokyo, Japan), Toshiyuki Nakai, Hideaki Furuse, Takaaki Tsuchida, Tetsuya Watanabe, Yu Mikami

- PA1632 Diagnostic yield of Cone beam CT Navigation Bronchoscopy for Metastatic Lesions: A propensity matched case-control study**  
Marta Viscuso (Roma, Italy), Roel L.J. Verhoeven, Stephan E.P. Kops, Gerjon Hannink, Rocco Trisolini, Erik H.F.M. Van Der Heijden
- PA1633 Mobile 3-dimensional (3D) C-arm system-assisted transbronchial biopsy under conscious sedation.**  
Tadashi Sakaguchi (Ma Tsu Saka, Japan), Yoichi Nishii, Osamu Hataji
- PA1634 Changes in diagnostic patterns in patients with lung cancer following implementation of a shape-sensing robotic-assisted navigation bronchoscopy (SSRAB) platform.**  
Mounir Ghali (Grand Rapids, United States), Marci Smigiel, Sam Wing, Adam Gaertner
- PA1635 First European experience with C-arm based tomography for the diagnosis of peripheral nodules**  
Martina Ferioli (BOLOGNA, Italy), Thomas Galasso, Giulia Pastorelli, Gian Piero Bandelli, Marco Ferrari, Filippo Natali, Pasquale Fabio Leggieri, Piero Candoli
- PA1636 Effectiveness of shields to minimize scattered radiation for bronchoscopist: a phantom study**  
Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Hee Yun Seol, Seong Hoon Yoon, Won Chul Shin, Suk-Woong Kang, Hosang Jeon, Dongwoon Kim, Yongkan Ki, Seong Jang Kim
- PA1637 Shape-Sensing Robotic-Assisted Bronchoscopy and Mobile Cone-Beam Computed Tomography for Pulmonary Nodules Less than 1 cm**  
Rodrigo Funes-Ferrada (Jacksonville, United States), Alejandra Yu Lee-Mateus, Alanna Barrios-Ruiz, David Abia-Trujillo, Ana Garza-Salas, Nikitha C. Chandra, Anoop Koratala, Tapendra Koirala, Neal M. Patel, Britney N. Hazelett, Ryan M. Chadha, Sebastian Fernandez-Bussy
- PA1638 Estimating the effect of lung cancer screening on interventional pulmonology procedures in Italy**  
Giuseppe Croce (Milan, Italy), Martina Ferioli, Giuseppe Dejan Lucido, Dejan Radovanovic, Lorenzo Corbetta, Piero Candoli, Pierachille Santus
- PA1639 Lung cancer screening: estimating the eligible population per single interventional pulmonology center in Italy**  
Martina Ferioli (BOLOGNA, Italy), Giuseppe Croce, Giuseppe Dejan Lucido, Dejan Radovanovic, Lorenzo Corbetta, Pierachille Santus, Piero Candoli
- PA1640 Late Breaking Abstract - Implantable Artificial Bronchus (IAB) Performance up to 1 year**  
Felix J.F. Herth (Heidelberg, Germany), Hugo De Oliveira, Dirk-Jan Slebos
- PA1641 Shape-sensing Robotic-assisted Bronchoscopy (SS-RAB) in Sampling Peripheral Pulmonary Nodules: A Prospective, Multicenter Clinical Feasibility Study in China**  
Fangfang Xie (Shanghai, China), Quncheng Zhang, Chuanyong Mu, Qin Zhang, Huizhen Yang, Jingyu Mao, Jian'An Huang, Xiaojun Zhang, Jiayuan Sun
- PA1642 Identification of high-grade subtypes of lung adenocarcinoma by cryobiopsy as a postoperative prognostic predictor**  
Hiromu Keira (TOKYO, Japan), Yuji Matsumoto, Hideaki Furuse, Takaaki Tsuchida

PS-32

Session 156

12:30 - 14:00

Poster session: Emerging imaging studies in pulmonary fibrosis, infectious diseases and critical situations

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

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

Tag(s) : Clinical

Chairs : Pia Iben Pietersen (Odense C, Denmark), Elżbieta Magdalena Grabczak (Warszawa, Poland)

- PA1643 Using FDG PET/CT for assessment of idiopathic pulmonary fibrosis disease activity and prediction of prognosis**  
Chun-Kai Huang (Taipei city, Taiwan), Jei-Yie Huang
- PA1644 Characterising Regional Pulmonary Gas Transfer using Hyperpolarised 129-Xenon MRI in Fibrosing Interstitial Lung Disease**  
Mattias Kristensen (Aarhus, Denmark), Michael Vaeggemose, Nikolaj Boegh, Esben Hansen, Elisabeth Bendstrup, Christoffer Laustsen
- PA1645 Clinical evaluation of interstitial lung disease using 18F-FDG PET/CT**  
Masataka Matsumoto (Miki, Japan), Maho Morikawa, Shun Yamazaki, Saki Ito, Masahiro Katsurada, Yuko Kono, Kiyonobu Takatsuki, Yoshihiro Nishimura

- PA1646** **Connective tissue disease-associated interstitial lung disease: a series of 60 patients**  
Ines moussa (ariana, Tunisia), Donia Chebbi, Samar Derbal, Olfa Hentati, Yousra Cherif, Hela Kammoun, Fatma Ben Dahmen, Leila Fekih, Leila Gharbi, Meya Abdallah
- PA1647** **Prominent nodular elastosis in a subset of patients with UIP pattern. Radiological-pathological correlation.**  
Sara Piciucchi (Forlì, Italy), Nicola Sverzellati, Simone Petrarulo, Claudia Ravaglia, Alessandra Dubini, Venerino Poletti
- PA1648** **Image Recognition in Chest Radiographs for Chronic Pulmonary Aspergillosis Detection through Deep Learning Process**  
Shiang-Fen Huang (Taipei, Taiwan), Shu Lin, Tzu-Jung Fu, Tsai-Pei Wang, Kun-Ta Chou
- PA1649** **Humans versus machines: The use of AI for chest X-ray interpretation to diagnose laboratory confirmed Tuberculosis among people presenting for primary healthcare in Karnataka, India.**  
Anthony Byrne (Allambie Heights, Australia), Florent Geerts, Venkat Chekuri, Matthew Edwards, Gautam Kalyatanda
- PA1650** **Characterization of Ventilatory Patterns in Diverse Respiratory Disorders via X-ray Velocimetry**  
Anna Šebová (Bratislava, Slovakia), František Šándor, Michal Šenitko, Andrej Klepanec, Dušan Giertl, Tamás Ötvös, Trishul Siddharthan, Jason Kirkness
- PA1651** **Quantitative CT imaging with vascular analysis in combined pulmonary fibrosis and emphysema**  
Scott Helgeson (Jacksonville, United States), Hassan Baig, Tony Nadrous, Alejandra Yu Lee Mateus, Sushil Sonavane, Justin Stowell, Augustine Lee, Anna Weaver
- PA1652** **Etiological profile of excavated pulmonary opacities: about 168 cases**  
asmaa rattal (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Hanaa Harraz, Khadija Chaanoun, Najiba Yassine
- PA1653** **Extraction of clinical data on major pulmonary diseases from unstructured radiologic reports using a large language model**  
Myeong Geun Choi (Seoul, Republic of Korea), Hyung Jun Park, Jin-Young Huh, Ganghee Chae
- PA1654** **Virtual bronchoscopic navigation based on lateral supine computed tomography yields better reproducibility of the peripheral branches than normal supine computed tomography**  
Atsushi Kitamura (Tokyo, Japan), Fumitsugu Kojima, Tomoaki Nakamura, Clara So, Kohhei Okafuji, Michiho Tanaka, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Touru Bando
- PA1655** **Dyssynchrony of the interventricular septum in sarcoid Patients revealed by Cardiac-MRI**  
Sara Piciucchi (Forlì, Italy), Elisa Gardini, Maria De Vita, Chiara Dallaserra, Roland Barbante, Lucia Crociani, Venerino Poletti, Claudia Ravaglia
- PA1656** **CT findings of IgG4-related thoracic disease: correlations with clinical and laboratory characteristics**  
Xueqing Liu (Beijing, China), Jiamin Zhou, Weihong Zhang, Wen Zhang
- PA1657** **Reproducibility of automated and manual determination of the pulmonary artery to aorta ratio (PA:A) of 'real-world' CT scans**  
Luis Henry Gonzalez Torres (Montreal, Canada), Henry Jason Biem, Micheal Mcinnis, Fadi Aris, Sandra Derksen Biem, Roger Pang, Misha Fotovati, Paolo F. Medina, Ruben San José Estépar, Raúl San José Estépar, Ronald J. Dandurand
- PA1658** **Case-based Education Improves Clinician Competence in Appropriate Follow-up of Interstitial Lung Abnormalities**  
Christy Rohani-Montez (Düllier, Switzerland), Ashley Stumvoll, Marinella Calle, Helmut Prosch
- PA1659** **Deep learning based infectivity evaluation by CXR in pulmonary tuberculosis**  
Jinsik Yoon (Yongin-si, Gyeonggi-do, Republic of Korea), Wouyoung Chung, Songsoo Kim, Yujeong Kim, Jieun Park, Youngae Kang, Dukyong Yoon
- PA1660** **Foreign body aspiration in children**  
Alireza Eshghi (Tehran, Islamic Republic of Iran)
- PA1661** **CT-Guided Transthoracic Needle Biopsies – The reality in a Portuguese Hospital**  
Maria João Lúcio (linda a velha, Portugal), Eva Brysch, Ana Santos, Tiago Saldanha, Fernando Nogueira
- PA1662** **Pulmonary Alveolar Proteinosis: a tricky case**  
Claudia D'Antoni (Milan, Italy), Jacopo Civello, Fabrizio Nava, Salvatore Longobardi, Paolo Tarsia

PS-4 Session 157 12:30 - 14:00

Poster session: Clinical respiratory physiology in COPD and respiratory muscles: what's new?

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

**Method(s) :** Physiology Pulmonary function testing Pulmonary rehabilitation Imaging Cell and molecular biology Respiratory intensive care General respiratory patient care Epidemiology Public health

**Tag(s) :** Clinical

**Chairs :** Joana Cruz (Leiria, Portugal), J. Alberto Neder (Kingston (ON), Canada)

**Satellite cell distance to its nearest capillary is inversely associated with muscle mass and strength in persons with COPD**

PA1663 Jana De Brandt (Ternat, Belgium), Milan Betz, Thorben Aussieker, Alejandra P. Monsegue, Dion C.J. Houtvast, Sebastian Gehlert, Lex B. Verdijk, Luc J.C. Van Loon, Harry Gosker, Ramon Langen, Wim Derave, Chris Burtin, Martijn A. Spruit, Tim Snijders

**PA1664 Inspiration: two decoupled diaphragms**

Giovanni Tagliabue (Calgary (AB), Canada), Michael Ji, Danny J. Zuege, Paul A. Easton

**PA1665 Diaphragm ultrasound assessments in newly diagnosed patients with spinal-onset amyotrophic lateral sclerosis**

Vasilina Sotiropoulou (Patras, Greece), Dimosthenis Lykouras, Kanellos Spiliopoulos, Dimitra Veltsista, Olga Lagiou, Kyriakos Karkoulas, Elisabeth Chroni, Argyrios Tzouvelekis

**PA1666 Prediction of Cough Effectiveness in Amyotrophic Lateral Sclerosis (ALS) patients assessed by Ultrasound of the Diaphragm during the Cough Expiration phase**

Sarah Impagnatiello (roma, Italy), Altea Lecci, Mariateresa Sanzari, Angela Tramontano, Fausta Viccaro, Arianna Sanna, Maria D'Andria, Letizia D'Antoni, Paolo Palange

**PA1667 Diaphragmatic excursion and sternocleidomastoid muscle thickness correlate with exercise capacity and dynamic lung hyperinflation in patients with chronic obstructive pulmonary disease**

Yu Takeda (Osaka, Japan), Masashi Shiraishi, Yuji Higashimoto, Osamu Nishiyama, Ryuji Sugiya, Hiroki Mizusawa, Masaya Noguchi, Kengo Kanki, Tamotsu Kimura, Hisako Matsumoto

**PA1668 Hypoxic respiratory failure: ventilation and chest wall inspiratory muscle function in severe COPD**

Suk Joon (Michael) Ji (Edmonton, Canada), Jenny Suneby Jagers, Giovanni Tagliabue, Woosung Lee, Eric Wilde, Andrew Mcivor, Paul Easton

**PA1669 Evaluating the relationship between respiratory muscle electromyography and ultrasound in healthy subjects**

Annalisa Frizzelli (Parma, Italy), Junyi Zhang, Owais Kadwani, Alfredo Chetta, Georgios Kaltsakas, Rebecca D'Cruz

**PA1670 Application of electrical impedance tomography in assessing diaphragmatic function**

Yao-Wen Kuo (Taipei City, Taiwan), Jih-Shuin Jerng, Huey-Dong Wu

**PA1672 Transcriptomics and metabolomics revealed the pulmonary protective mechanism of aerobic exercise in COPD**

Siqi Liu (Beijing, China), Ailin Yang, Yue Yu, Yunxiao Li, Xin He, Yanjun Wu, Bo Wu, Bo Xu, Ganggang Yu, Haoyan Wang

**PA1673 Cardiovascular Response During 6-Minute Walk Test in Patients with Stable COPD**

Amit Kiran Rath (Raipur, India), Sajal De, Pallavi Bharadwaj, Soma Sai Kiran Y, Nitesh Goyal

**PA1674 The decline of the 6-minute walk test in subjects with chronic obstructive pulmonary disease (COPD), during a 3-year follow-up**

Fettal Nadia (Sidi Bel Abbes, Algeria), Akram Benhaddad

**PA1675 Extracellular Vesicle-mediated Inflammatory Response in COPD is Negatively Enriched by High-intensity Exercise**

Asghar Abbasi (Torrance, United States), Krystine Garcia. Mansfield, Nathaniel Hansen, Bessie Meechoovet, Elizabeth Hutchins, Robert Calmelat, Carrie Ferguson, Kendall Jensen, Patrick Pirrotte, Janos Porszasz, Richard Casaburi, William W. Stringer, Harry B. Rossiter

**PA1676 Dynamic interactions between submaximal leg effort and dyspnoea during incremental CPET: implications for exercise tolerance in COPD**

J. Alberto Neder (Kingston (ON), Canada), Abed Hijleh, Danilo Berton, Sophia Wang, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell

**PA1677 Late Breaking Abstract - O<sub>2</sub> dissociation curve inflection: hemoglobin's built-in Bohr effect trigger**

Holger Burchert (Basel, Switzerland), William W. Stringer, Ranjan Dash

**PA1678 Late Breaking Abstract - Sex disparities in Respiratory Medicine. A Swiss cohort study**

Benjamin Troxler (Liestal, Switzerland), Giorgia Lüthi-Corridori, Maria Bösing, Jörg Leuppi

PS-5 Session 158 12:30 - 14:00

Poster session: Non-invasive respiratory support in acute respiratory failure

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

**Method(s) :** Respiratory intensive care General respiratory patient care Physiology Epidemiology Pulmonary rehabilitation

**Tag(s) :** Clinical

**Chairs :** Lara Pisani (Bologna (BO), Italy), Annemijn Jonkman (Rotterdam, Netherlands)

- PA1679** **Effect of alternate invasive and noninvasive ventilation on duration of mechanical ventilation in patients with tracheotomy: a multicenter randomized controlled trial**  
xiaozhuo zheng (chongqing, China), Lei Wu, Shuliang Guo
- 
- PA1680** **The impact of different prong-nares ratio on ventilation in subjects using nasal high-flow (NHF) – a physiological study**  
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz
- 
- PA1681** **Influence of nasal high-flow (NHF) on right hearth function in stable patients with pulmonary hypertension**  
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz
- 
- PA1682** **Covid-19 versus Non-Covid-19 Acute Hypoxemic Respiratory Failure (AHRF). Helmet-CPAP (H-CPAP) treatment.**  
Weronika Malgorzata Michalak (Vedano al Lambro, Italy), Silvia Pagani, Stefania Raschi, Cristiano Bonacina, Pierfranco Usai, Monica Bernareggi, Chiara Melacini, Serena Bencini, Martina Piluso, Francesca D'Arcangelo, Luca Parachini, Claudio Macaluso, Ludovico Lanfranchi, Tiziana La Spina, Daniele Magni, Samuele Promi, Giulia Russo, Paolo Scarpazza
- 
- PA1683** **Optimizing NIV initiation in acute hypercapnic respiratory failure: a multisystem approach reducing delays**  
Anna Newton (Birmingham (West midlands), United Kingdom), Aqusa Zahid, Viktoria Oakden, Jawad Ahmad, Anna Mowat, Atul Gulati
- 
- PA1684** **Exploring Factors Associated with Intolerance of Helmet NIV in High-Risk Postextubation Patients; A Retrospective Cohort Study**  
Napat Jirawat (Bangkok, Thailand), Napplika Kongpolprom
- 
- PA1685** **Delta ROX as a predictor of High flow nasal cannula failure in COVID-19 critically ill patients**  
Lilia Bouajina (Kairouan, Tunisia), Oussema Saadaoui, Hend Zorgati, Yosri Ben Ali, Sourour Bel Haj Youssef, Dhouha Ben Braiek, Rania Hidri, Rahma Ben Jazia, Amani Kacem, Imen Kharrat, Anis Maatallah, Hajer Hannachi, Jihene Ayachi
- 
- PA1686** **Performance of low-flow oxygen delivery systems with mouth breathing and altered respiratory mechanics: a bench study.**  
Emeline Fresnel (Rouen, France), William Poncin, Shani Arrouch, Roberto Martinez-Alejos
- 
- PA1687** **High flow nasal therapy practices in acute and chronic respiratory failure: results from the ERS Hi-Flow survey**  
Claudia Crimi (Catania (CT), Italy), Marieke Duiverman, Maxime Patout, Alberto Noto, Annalisa Carlucci, Andrea Cortegiani, Cesare Gregoretto, Begum Ergan, Deniz Inal-Ince, Frits Franssen, Christian Karagiannidis, Joao Winck, Stefano Nava
- 
- PA1688** **Validity of ROX index to predict High flow nasal cannula outcomes in COVID19 critically ill patients**  
Lilia Bouajina (Kairouan, Tunisia), Hend Zorgati, Oussama Saadaoui, Dhouha Ben Braiek, Sourour Bel Hadj Youssef, Yosri Ben Ali, Rania Hidri, Rahma Ben Jazia, Ameni Kacem, Imen Kharrat, Anis Maatallah, Hannechi Hajer, Jihene Ayachi
- 
- PA1689** **Late Breaking Abstract - Effect of body position on inspiratory and sensory responses to rapid bilateral anterolateral magnetic phrenic nerve stimulation**  
Kyle Boyle (Zurich, Switzerland), Andrea Beglinger, Anne Stahel, Esther Schwarz, Christina Spengler
- 
- PA1690** **Comparison of Extubation Success between Prophylactic Helmet NIV and High-flow Nasal Cannula in Postextubation Patients at High Risk of Reintubation**  
Panyaporn Temphattharachok (Bangkok, Thailand), Napplika Kongpolprom
- 
- PA1691** **Influence of different ventilation modes of non-invasive ventilation in patients with hypercapnic-hypoxic ventilation failure – iVAPS vs. ST**  
Klaas F. Franzen (Luebeck, Germany), Dominik Pawlak, Tobias Jagomast, Isabell-Christin Scherer, Lisa Jung, Mareike Lüthgen, Daniel Drömann
- 
- PA1692** **Difficult decannulation: impact of an individualized strategy on the survival of patients with neuromuscular diseases.**  
Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Renata Meira Isensee, Brigida Amatto, Felipe Silva, Sabrina Bernardes, Mauro Vidigal De Rezende Lopes
- 
- PA1693** **Response to high-intensity ventilation in COPD using IVAPs mode.**  
Paula Pujal Montaña (L'Ametlla Del Valles, Spain), Macarena Segura Medina, Patricia Peñacoba Toribio, Ana Pardessus Otero, Carme Puy Rion, Carolina Panadero Paz, Sandra Lopez Suarez, Noelia Perez Marquez, Pedro A Anton Albisu
- 
- PA1694** **High-flow nasal cannula therapy for acute hypercapnic respiratory failure: A randomised controlled trial**  
Asem Alnajada (Riyadh, Saudi Arabia), Adeel Akhtar, Ivan Pavlov, Bronagh Blackwood, Abdulmajeed Mobrad, Milind Sovani, Murali Shyamsundar



- PA1695** **Late Breaking Abstract - Clinical effects of Telemonitoring (TM) of patients treated with home non-invasive ventilation (HNIV)**  
Jacek Nasiłowski (Warszawa, Poland), Agnieszka Kaczmarska, Dorota Kaczmarska, Szymon Skoczyński, Przemysław Bieleń, Katarzyna Przybyłowska, Katarzyna Mycroft, Piotr Jankowski, Aleksander Kania, Szymon Białka
- PA1696** **Prophylactic Helmet NIV versus Facemask NIV on Extubation Success in Postextubation Patients with Preexisting Cardiac Disease; A Retrospective Cohort Study**  
Napat Jirawat (Bangkok, Thailand), Naplika Kongpolprom
- PA1697** **High flow nasal cannula oxygen and noninvasive mechanical ventilation in management of COVID-19 patients with acute respiratory failure: a retrospective observational study**  
Amr Shoukri (Cairo, Egypt)
- PA1698** **Impact of Combined Non-Invasive Oxygenation Techniques in the Management of SARS-COV2 Pneumonia, OXY-COV**  
wiem lakhal (Aureville, France), Sandrine Pontier, Elise Noel-Savina

**PS-6** **Session 159** **12:30 - 14:00**

**Poster session: Emerging biomarkers and methods in chronic lung diseases**

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

**Method(s) :** Cell and molecular biology Physiology Respiratory intensive care

**Tag(s) :** Translational

**Chairs :** Olivier Burgy (Dijon, France), Namrata Kewalramani (Bern, Switzerland)

- PA1699** **ADAM proteases control disease severity and systemic outcome in pneumonia**  
Ahmad Aljohmani (Homburg, Germany), Christian Herr, Martin Witzzenrath, Markus Bischoff, Robert Bals, Daniela Yildiz
- PA1700** **Interleukin-17 as a marker of progression of Chronic Obstructive Pulmonary Disease (COPD).**  
Gulchekhra Tashmetova (Tashkent, Uzbekistan), Irina Liverko
- PA1701** **Rheumatological syndromes with Autoimmune features in post covid setting at 24 months: Reversible, persistent and accelerated traits**  
Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhaya Tak, Wahab Abdul Mirza, Gurmaiher Singh Theti, Arpit Johar
- PA1702** **Single cell transcriptome sequencing of fresh and cryopreserved bronchoalveolar lavage cells**  
Iryna Kolosenko (Solna, Sweden), Martina Bonatti, Nicole Wagner, Pia Lindberg, Benedikt Zöhrer, Kristina Piontkovskaya, Michael Runold, Åsa Maria Wheelock
- PA1703** **Late Breaking Abstract - Unraveling the Role of lncRNA SYISL: A Key Regulator in Idiopathic Pulmonary Fibrosis Pathogenesis**  
Lan Wang (xinxiang, China), Cong Xia, Wenyu Zhao, Guoying Yu
- PA1704** **Genetic Diagnosis of Alpha-1 Antitrypsin Deficiency; core laboratory experience**  
Lourdes Osaba (Derio, Spain), Edurne Entrena, Iratxe Calahorro, Noelia Rapun, Laura Grandoso
- PA1705** **Evolutionary and airway specific analysis of ORMDL in smoke exposed Drosophila melanogaster larvae**  
Daniel Meißner (Sievershütten, Germany), Birte Ehrhardt, Jacqueline Nakel, Mario Stanke, Susanne Krauss-Etschmann
- PA1706** **Determinant microbiota and lauroylcarnitine mediated immune activation in checkpoint inhibitor pneumonitis**  
Wenyi Yu (Beijing, China), Yukun He, Ran Li, Zhancheng Gao
- PA1707** **The inflammatory microenvironment in ARDS patients affects the metabolism of MSCs**  
Abigail Warren (Galway, Ireland), Claire Masterson, Bairbre Mc Nicholas, Daniel O'Toole, Karen English, John Laffey
- PA1708** **The HLA-G 14 bp insertion/deletion is associated with COVID-19 severity and exercise-induced oxygen desaturation in post-COVID subjects**  
Ingrid Fricke-Galindo (Mexico City, Mexico), Ivette Buendía-Roldán, Paola Montoya-Angulo, Gloria Pérez-Rubio, Leslie Chávez-Galán, Ramcés Falfán-Valencia
- PA1709** **Identification of novel protein drug targets for respiratory diseases by integrating human plasma proteome with GWAS**  
Xinqian Ma (Beijing, China), Wentao Ni, Zhancheng Gao
- PA1710** **A breathomics database to identify, contextualise and validate biomarkers of respiratory conditions**  
Lara Pocock (Cambridge, United Kingdom), Wisenave Arulvasan, Owen Birch, Shane Swann, Rosalia Hazel, Simon Coplowe, Ella Mead, Steven Levett, Elizabeth Lam, Patrick Gordon, Julia Greenwood, Billy Boyle, Max Allsworth, Elizabeth Crone

- PA1711** **Physiomimetic lung extracellular matrix hydrogel enhances pulmonary recovery in a rat model of acute respiratory distress syndrome**  
Alicia Jurado (Barcelona, Spain), Anna Ulldemolins, Jorge Otero, Ramon Farré, Isaac Almendros
- PA1712** **LSC - 2024 - Primary ciliary dyskinesia patient-specific model to study and treat ciliary dysfunction.**  
Tamara Paff (Rotterdam, Netherlands), Bahar Yetkin-Arik, G. Nefeli Ithakisiou, Hetty H.M. Dreyer, Bram B. Bosch, Eric G. Haarman, Karin M. De Winter-Groot, Sam Van Beuningen, Gimano D. Amatngalim, Jeffrey M. Beekman
- PA1713** **Feasibility of a minimally invasive technique to collect microbiopsies from sternocleidomastoid muscle (SCM) for histological analysis in humans: preliminary results**  
Diego Poddighe (Leuven, Belgium), Anke Andries, Alexandros Kalkanis, Marieke Wuyts, Karen Maes, Jeroen Meulemans, Ghislaine Gayan-Ramirez, Greet Hermans, Daniel Langer
- PA1714** **Development of a new breath collection method for analysing volatile organic compounds from intubated mouse models**  
Lara Pocock (Cambridge, United Kingdom), Alastair Taylor, Sylvia Blum, Madeleine Ball, Owen Birch, Hsuan Chou, Julia Greenwood, Shane Swann, Elizabeth Crone, Billy Boyle, Max Allsworth, Kerstin Geillinger-Kästle
- PA1715** **"Comprehending the role of Adipocytokines: Leptin, Visfatin, and IL-6 in Chronic Obstructive airway disease and Diabetes mellitus."**  
AFREEN MEHDI (LUCKNOW, India), Surya Kant, Mohd Kaleem Ahmad, Nitu Nigam, Jyoti Bajpai, Seema Singh
- PA1716** **The level of katG and inhA gene mutations of drug-resistant strains of Mycobacteria tuberculosis spreading in Azerbaijan**  
Gulzar Aliyeva (Baku, Azerbaijan), Irada Akhundova, Konul Karimova, Rafik Abuzarov, Mehriban Seyfaddinova
- PA1717** **Feasibility of miRNA Detection in Particles in Exhaled Air (PEXA) using a multiplexed RT-PCR Method**  
Martina Bonatti (Solna, Sweden), Monika Ezerskyte, Pia Lindberg, Iryna Kolosenko, Åsa Maria Wheelock
- PA1718** **Investigating cigarette smoke-induced pathogenetic mechanisms in interstitial lung disease: A multi-omics approach**  
Marie Zöller (München, Germany), Christoph H. Mayr, Michal Mastalerz, Elisabeth Dick, Ashesh Chakraborty, Elisabeth Hennen, Lukas M. Simon, Juliane Merl-Pham, Aicha Jeridi, Jürgen Behr, Anne Hilgendorff, Otmar Schmid, Ali Ö. Yildirim, Stefanie M. Hauck, Herbert B. Schiller, Claudia A. Staab-Weijnitz

**PS-7** **Session 160** **12:30 - 14:00**

**Poster session: Pathways unbound: molecular insights into chronic lung diseases**

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

**Method(s)** : Cell and molecular biology Respiratory intensive care Imaging Surgery Physiology

**Tag(s)** : Translational

**Chairs** : Didier Cataldo (Liege, Belgium), Loretta Müller (Bern, Switzerland)

- PA1719** **Cannabinoid CB1 receptor and its endogenous lipid mediator 2-AG alleviates severity in a pancreatitis-associated lung injury mouse model**  
Paula Goncalves Romeu (Badalona, Spain), Enrique De Madaria, Karina Cárdenas-Jaen, Irene Aldàs, Marina Galdeano, Toni Marin, Mónica Matute, Daniel Closa, Raquel Guillamat Prats
- PA1720** **Doublecortin-like Kinase 1 highly expressed CD14 monocytes mediates lipopolysaccharide-induced NF-κB activation and acute lung injury**  
Pei-Yun Lin (Taipei City, Taiwan), Chia-Ling Chen
- PA1721** **PAFR and ICAM-1 expression increases in patients with IPF: implications for microbial pathogenesis**  
Wenying Lu (Newnham, Australia), Affan M Shahzad, Surajit Dey, Prem Bhattarai, Archana V Gaikwad, Jade Jaffar, Glen Westall, Darren Sutherland, Gurpreet Kaur Singhera, Tillie-Louise Hackett, Mathew S Eapen, Sukhwinder Singh Sohal
- PA1722** **The role of neutrophil extracellular traps in the pathogenesis of elastase-induced emphysema in mice**  
Megumi Katsumata (Chiba-city, Japan), Jun Ikari, Akira Urano, Eiko Suzuki, Koichiro Tatsumi, Takuji Suzuki
- PA1723** **Co-expression of matrix metalloproteinase-7 and cellular senescence markers in fibrosing interstitial lung diseases**  
Fernanda Ines Hernandez Gonzalez (Barcelona, Spain), Daniel Martinez, Tamara Cruz, Nuria Mendoza, Sandra Casas-Recasens, Alejandro Frino-Garcia, Nancy Perez-Rodas, Xavier Alsina-Restoy, Gemma López-Saiz, Ana Maria Medina, Federico Pietrocola, Alvar Agustí, Mauricio Rojas, Manuel Serrano, Rosa Faner, Jacobo Sellares
- PA1724** **Increased pulmonary expression of P2Y6 receptor and right ventricle hypertrophy in a COPD murine model**  
Andrea Méndez (Santiago, Chile), Marcelo Fonseca, Joan Orellana, Alejandro Fernández-Moya, Mauricio Henríquez

- PA1725 Brain-derived neurotrophic factor (BDNF)-TrkB signaling regulates alveolar epithelial type 2 (AT2) cell survival and is reduced in hyperoxia-induced neonatal lung injury.**  
Centina Kuiper-Makris (Cologne, Germany), Luise Fahle, Christina Vohlen, Oleksiy Klymenko, Stephanie Stefan, Gabriela Riederer, Dharmesh Hirani, Jörg Dötsch, Miguel Alejandro Alcázar
- PA1726 Role of miRNA-191-5p within extracellular vesicles in lung inflammation**  
Roberta Gaeta (Pisa, Italy), Tommaso Neri, Sara Carpi, Beatrice Polini, Erica Bazzan, Dario Nieri, Alessandro Celi
- PA1727 Airway epithelial-mesenchymal-transition and vascular changes in patients with asthma-COPD overlap (ACO)**  
Wenyong Lu (Newnham, Australia), Surajit Dey, Greg Haug, Heinrich C Webber, Prabuddha S Pathinayake, Peter A. B. Wark, Mathew S Eapen, Sukhwinder Singh Sohal
- PA1728 Peroxiredoxin 6 enhances PINK1 phosphorylation to activate mitophagy to protect acute lung injury.**  
Xiaocen Wang (Shanghai, China), Tingting Wei, Ke Lang, Xinyi Ning, Yuanlin Song, Dong Yang
- PA1729 THBS1 in cell-cell communication routes of human lung fibrosis and regeneration**  
Sara Asgharpour (Munich, Germany), Aicha Jeridi, Michael Gerckens, Niklas Jonathan Lang, Janine Gote-Schniering, Mareike Lehmann, Thomas Mark Conlon, Diana Porras Gonzalez, M. Camila Melo-Narvaez, Carola Voss, Roxana Maria Wasnick, Herbert Schiller, Ali Oender Yildirim, Gerald Burgstaller
- PA1730 Reduction of anxious and aversive behavior to allergen in mice with allergic lung inflammation and treated with angiotensin-(1-7).**  
Maria Gloria Rodrigues Machado (Belo Horizonte (MG), Brazil), Giselle Santos Magalhães, Juliana F. Gregório, Ana Flavia Almeida-Santos, Kezia Gonzaga, Luciola S. Barcelos, Robson Augusto S. Santos, Maria Jose Campagnole-Santos
- PA1731 Exploring the Role of WISP1 in Redox Homeostasis in COPD**  
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Charikleia Ntenti, Gernot Zissel, Daiana Stolz
- PA1732 The IL-17 neutralizing antibody treatment reverses the inflammatory response mediated by Th17 cells and alveolar enlargement in an experimental model of chronic obstructive pulmonary disease (COPD)**  
Alyne Riani Moreira (maua, Brazil), Leticia Mattos, Camila Uchoa, Veronica Camargo Berti, Francine Almeida, Juliana Ito-Uchoa, Alex Silva, Franciele Lima, Cintia Silva, Suellen Bezerra, Iolanda Tiberio, Fernanda Degobbi Tenorio Quirino dos Santos Lopes
- PA1733  $\alpha$ 1-Antitrypsin regulates CXCR2 surface expression in human neutrophils via IL-8 release and expression**  
Kokilavani Sivaraman (Hannover, Germany), Joanna Chorostowska-Wynimko, Urszula Lechowicz, Wenzhang Si, Tobias Welte, Sabina Janciauskiene
- PA1734 Runx1 promotes pulmonary fibrosis through fibroblasts differentiation and senescence**  
Faping Wang (Chengdu (Sichuan), China), Jia Liu, Xin Tian, Yutian Lai, Fengming Luo
- PA1735 G-protein coupled receptor (GPR)55 Deficiency on Neutrophil Function: Attenuation of Inflammation in an Acute Lung Injury Mouse Model of Infection**  
Raquel Guillamat Prats (Badalona, Spain), Paula Goncalves-Romeu, Guo Li, George Shakir, Mónica Matute, Toni Marín, Marina Galdeano, Irene Aldàs, Sabine Steffens
- PA1736 Pro-fibrotic role of miR-21 and its modulation in Precision Cut Lung Slices model**  
Sara Bozzini (Pavia, Italy), Eleonora Bozza, Cecilia Bagnera, Giulio Melloni, Guido Baietto, Vincenzo Sanci, Giuseppina Ferrario, Frediano Inzani, Federica Meloni
- PA1737 PPAR-alpha activation suppresses the TGF-b- induced profibrotic response in lung IPF fibroblasts**  
Gani Oruqaj (Gießen, Germany), Learta Pervizaj-Oruqaj, Andreas Günther, Clemens Ruppert, Susanne Herold, Natascha Sommer, István Vadász, Khodr Tello, Matthias Hecker, Wei Shi, Eveline Baumgart-Vogt

**PS-8** **Session 161** **12:30 - 14:00**

**Poster session: Different tools and predictive models for the diagnosis/screening of obstructive sleep apnoea**

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

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

**Tag(s) :** Clinical

**Chairs :** Ding Zou (Gothenburg, Sweden), Frederik Hermans (Zutendaal, Belgium)

- PA1738 Application of the STOP-BANG Questionnaire with a Modified Scoring Model on Detection of Undiagnosed Obstructive Sleep Apnea**  
Ophelia Lam Hin Shek (Shatin, Hong Kong), CHI YUEN YIP, Chi Kai Chow, Lam Hin Shek, Mo Lin Wong

- PA1739 Morning headaches as a specific OSA characteristic in a large sleep clinic population**  
Athanasia Pataka (Thessaloniki, Greece), Serafim Chrysovalantis Kotoulas, Asterios Tzinas, Aliko Karkala, Giannis Beis, Anastasia Argyropoulou, Evdokia Sourla, George Kalamaras
- 
- PA1740 Scalloped tongue: a clinical sign of severe obstructive sleep apnea?**  
Francisca Trigueiros Pinção Nieto Guimarães (Lisboa, Portugal), Joana Canadas, Maria Cunha, Vera Durão, Paula Rosa, Flávio Magalhães
- 
- PA1741 Prevalence and characteristics of OSA patients with sawtooth sign in spirometry**  
Mahdi Martani (Constantine, Algeria), Mohamed Kheireddine Bourahli, Safia Brihi, Mohamed Bougrida
- 
- PA1742 APP.nee: a digital tool for obstructive sleep apnoea screening**  
Luca Roberti (Rome, Italy), Luigi Carroccio, Carmelo Causarano, Matteo Siciliano, Giuseppe Insalaco
- 
- PA1743 A diagnostic algorithm for obstructive sleep apnea in primary care**  
Lidia Zamudio i Domingo (BANYOLES, Spain), Eric Rojas-Calvera, Anton Obrador Legarés, Anna Torrente Nieto, Carmen Vargas Arévalo, Judith Pinsach Garanger, Daniela Torres Scianca, Gerard Muñoz Castro, Marc Bonnin Vilaplana, Ramon Orriols Martínez
- 
- PA1744 Comparison of the WatchPAT device with Polysomnography and Home Limited Sleep Studies for the Diagnosis of Obstructive Sleep Apnoea.**  
Christina D. Campbell (Dublin 6, Ireland), Ben Mc Ginn, Thomas Kane, Margaret Gleeson, Padraic Ridge, Ross Morgan, Emmet O'Brien, Richard Costello, Daniel Ryan, Imran Sulaiman
- 
- PA1745 Diagnosis of neurological and respiratory sleep disorders using home-video-PSG: preliminary results in 325 patients**  
Giulia Rimmaudo (Palermo, Italy), Chiara Cilona, Giuseppe Di Liberto, Vincenzo Di Stefano, Cesare Gagliardo, Filippo Brighina, Marisa Bonsignore, Andrea Gagliardo
- 
- PA1746 Construction and evaluation of a predictive model for the types of respiratory events in patients with OSA based on hypoxic parameters**  
Cheng Peng (Tianjin, China)
- 
- PA1747 Changes in physiological entropy signals in patient with obstructive sleep apnoea: a systematic review**  
Nawal Alotaibi (London, United Kingdom), Maggie Cheung, John Hurst, Alireza Mani, Swapna Mandal
- 
- PA1748 Hypoxic burden as diagnostic indicator of obstructive sleep apnea**  
Javier Romero Lopez (Sevilla, Spain), Jaime Domínguez Caro, Jessica Hilares Vera, Ana Belén Rodríguez Gómez, Gloria Toledo Muñoz-Cobo
- 
- PA1749 Hypoxic burden combination model in screening low-ArTH subtype of obstructive sleep apnea**  
Yi Wang (Shanghai, China), Qingyun Li
- 
- PA1750 Diagnostic performance of a Doppler radar-based sleep apnoea testing device**  
Jonathan Röcken (Basel, Switzerland), Andrei M. Darie, Claire E. Dexter, Leticia Grize, Michael Tamm, Daiana Stolz
- 
- PA1751 Non-contact monitoring of respiratory rate including sleep apnea using millimeter wave radar.**  
Kazuo Chin (H. B. Jin) (Tokyo, Japan), Shigeaki Okumura, Daisuke Endo, Tatsuya Ito, Mamiko Hoshi, Yutaka Kozu, Hironobu Sunadome, Kimihiko Murase, Susumu Sato, Toyohiro Hirai, Yasuhiro Gon, Takuya Sakamoto, Hirofumi Taki, Toshiki Akahoshi
- 
- PA1752 The utility of visceral fat area for screening nocturnal hypoxemia in non-obese subjects**  
Pei Yi Shen (Taichung, Taiwan), Tung-Chuan Liu, Ming-Feng Wu, Wei-Chang Huang
- 
- PA1753 Spontaneous brain activity in obstructive sleep apnea with excessive daytime sleepiness**  
yuanfeng sun (chengdu, China), Xiangdong Tang
- 
- PA1754 Light, latitude and Epworth Sleepiness Scale in the European Sleep Apnea database - a daring proposal**  
Holger Hein (Reinbek, Germany), Sebastien Bailly, Ding Zou, Marisa Bonsignore, Richard Staats, Ludger Grote
- 
- PA1755 Different aspects of daytime sleepiness among subjects with obesity.**  
Harpa Arnardottir (Akureyri, Iceland), Thorarinn Gislason, Gudjon Kristjansson
- 
- PA1756 Obstructive positional sleep apnea. Prevalence and characteristics.**  
Karla Margarita Cordero Camacho (Valladolid (Valladolid), Spain), Claudia Beigveder Durante, Carmen Ainhoa Arroyo Domingo, Fernando Gil Díez, Ángela Álvarez Suárez, Tomás Ruiz Albi, Daniel Alvarez González, Fernando Moreno Torrero, Gonzalo Gutiérrez Tobal, Fernando Vaquerizo Villar, Roberto Hornero Sánchez, Félix Del Campo Matías
- 
- PA1757 The clinical significance of REM-predominant obstructive sleep apnea: a retrospective observational study**  
Shauni Wellekens (Aalst, Belgium), Eef Vanderhelst, Sonia De Weerd

## PS-9 Session 162 12:30 - 14:00

## Poster session: Comorbidities in chronic obstructive pulmonary disease and asthma

Disease(s) : [Airway diseases](#) [Thoracic oncology](#) [Pulmonary vascular diseases](#)

Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Public health Palliative care Respiratory intensive care Cell and molecular biology Physiology

Tag(s) : Clinical

Chairs : Morten Hvidtfeldt (Lejre, Denmark), Zuzana Diamant (Lund, Sweden)

- PA1758 Atrial fibrillation in hospitalized patients with exacerbation of COPD: prevalence and associated factors**  
Zichen Ji (Madrid, Spain), Javier De Miguel-Díez, Ana López-De-Andrés, José Javier Zamorano-León, Crstian Alonso Correa-Gutiérrez, Cristina Sánchez-Fernández, Gabriella Manzanara-Cavin, Rodrigo Jiménez-García
- 
- PA1759 Tumor prevalence in a cohort of ambulatory COPD patients.**  
Luis Asencio Montegudo (Sevilla, Spain), Virginia Almadana Pacheco, Maria Del Mar Ignacio Exposito, Carmen Amezcua Sanchez
- 
- PA1760 Major adverse cardiovascular events in a real-life COPD patient population**  
Naomi Michotte (Overijse, Belgium), Shane Hanon, Sylvia Verbanck, Eef Vanderhelst
- 
- PA1761 Impact of co-morbid Heart Failure on health outcomes following hospitalization for AECOPD**  
Kahir Rahemtulla (Edmonton, Canada), Grace Lam, Chuan Wen, Subhabrata Moitra, Michael Stickland, Jason Weatherald, Mohit Bhutani
- 
- PA1762 Severity of hospitalised COPD exacerbations and risk of cardiovascular events: a case-crossover study in France**  
Maeva Zysman (cabanac et villagrains, France), Clementine Nordon, Nolwenn Pocard, Caroline Fabry-Vendrand, Kirsty Rhodes, Amayelle Rey, Oriane Bretin, Cédric Collin, Victor Aboyns
- 
- PA1763 Heterogeneity of comorbidities captured by European national severe asthma registries in SHARP CRC**  
Saša Rink (Ljubljana, Slovenia), Anna Freeman, Aruna T. Bansal, Apostolos Bossios, Betty Frankemölle, Florence Schleich, Jacob K. Sont, Mehar Singh, Krisitina Bieksiene, Arnaud Bourdin, Georgio Walter Canonica, Zsuzsanna Csoma, Bilun Gemicioğlu, Ineta Grisle, Sanja Grle Popović, Sanja Hromiš, Stephanie Korn, Piotr Kuna, Claudia Loureiro, Florin Mihălțan, Celeste Porsbjerg, David Ramos-Barbon, Louis Renaud, Svetlana Sergejeva, Anneke Ten Brinke, Valentiyna Yasinska, Eleftherios Zervas, Sabina Škrat, Ramesh Kurukulaaratchy
- 
- PA1764 A multi-disciplinary team (MDT) approach to improve adherence to inhaled corticosteroids (ICS) and severe asthma management**  
Mohammed Almutairi (Birmingham, United Kingdom), John Marriott, Zahraa Jalal, Hanan Hussein, Lisa White, Sharron Gilbey, Baljit Ahitan, Adel Mansur
- 
- PA1765 Potential hematopoietic effects of SGLT2 inhibitors in patients with cardiac amyloidosis.**  
Nikita Ermolaev (Vienna, Austria), Robin Willixhofer, Christina Kronberger, René Rettl, Christina Binder, Franz Duca, Christian Nitsche, Andreas Kammerlander, Michael Poledniczek, Bernhard Gregshammer, Diana Ahmadi-Fazel, Johannes Kastner, Jutta Bergler-Klein, Roza Badr Eslam
- 
- PA1766 Mental health disease in patients with severe asthma: a problem overlooked**  
Joseph Durrant (London, United Kingdom), Robert Stone, Rebecca Annis, Ferdia Brennan
- 
- PA1767 Comorbidities and mortality in relation to asthma severity and exacerbations.**  
Arja Viinanen (Paimio, Finland), Anton Klåvus, Helga Olsen, Annina Lyly, Mariann I Lassenius, Hannu Kankaanranta, Lauri Lehtimäki
- 
- PA1768 CoMorbid Asthma and Allergic Rhinitis: Clinicians' EXperience and ASsessment (CO-EXIST) Survey in Myanmar**  
Thi ha (Yangon, Myanmar), Aniruddha Mukhopadhyay, Vaibhav Gaur, Jaideep Gogtay
- 
- PA1769 Combined response to biologics in patients with T2 severe asthma and chronic rhinosinusitis with nasal polyps**  
Irene Pomero (Torino, Italy), Chiara Gollinucci, Giuseppe Guida, Stefano Pizzimenti, Stefano Levrà, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Gianluca Fadda, Chiara Rustichelli, Fabio Luigi Massimo Ricciardolo
- 
- PA1770 Dual response to Dupilumab in patients with severe asthma and nasal polyposis**  
Cristina Bellver (Barcelona, Spain), Mireia Gollet, Xavier González, Anna Penella, Alejandro Portillo, Héctor Cabrerizo, Núria Padullès, Laura Mejía, Salud Santos, Mariana Muñoz-Esquerre
- 
- PA1771 Dexamethasone prophylaxis in sex-based respiratory complications under acute hypobaric hypoxia**  
Qadar Pasha (New Delhi (Delhi), India), Kavita Sharma, Neha Chhabra, Tsering Palmo, Rahul Kumar, Bhushan Shah, Mohit Gupta, Tashi Thinlas, Brian Graham



- PA1772** **Biologic agents in idiopathic hypereosinophilic syndrome: a 4-year-follow up in a case series**  
Ourania Papaioannou (Patras, Greece), Panagiota Tsiri, Vasilina Sotiropoulou, Ioannis Christopoulos, Dimitrios Komninos, Electra Koulousousa, Eva Theochari, Georgios Tsirikos, Fotios Sampsonas, Argyrios Tzouvelekis
- PA1773** **Vitamin D and B12 supplementation in patients with COPD: a cohort study**  
Efthymia Papadopoulou (Thessaloniki, Greece), Konstantina Papadopoulou, Marianna Moyseos, Christos Chatzis, Rena Oikonomidou, Dimitrios Karanasios, Stavros Tryfon
- PA1774** **Efficacy of Benralizumab in eosinophilic granulomatosis with polyangiitis in real life setting**  
Alessia Leonarda Lisotta (Palermo, Italy), Alida Benfante, Maria Noemi Cicero, Riccardo Messina, Nunzia Cannizzaro, Dario Bartolo Macaluso, Stefania Principe, Nicola Scichilone
- PA1775** **Biologics suppresses asthma exacerbation in patients with allergic bronchopulmonary mycosis (ABPM)**  
Yuto Motobayashi (Yokohama, Japan), Nami Masumoto, Kosuke Terada, Yuka Kodama, Yuga Yamashita, Hinako Masumitsu, Takeshi Kaneko, Naomi Tsurikisawa
- PA1776** **No infection risk with alvelestat in patients with AATD in two phase 2 trials.**  
Adzoa Ekue (London, United Kingdom), Jacqueline Parkin, James Fettiplace
- PA1777** **Efficacy and safety of roflumilast in bronchiectasis patients: a cross-over, double-blinded placebo-controlled trial**  
Blenda Nunes Endlich (São Paulo (SP), Brazil), Samia Rached, Regina Carvalho-Pinto, Thais Figueiredo, Milena Acencio, Alberto Cukier, Rodrigo Athanzio

C4

Session 168

13:45 - 15:15

### State of the art session: Interstitial lung diseases Pitfalls in clinical trials in idiopathic pulmonary fibrosis

**Aims :** To focus on understanding the lessons learned from the failed trials and how drug development can be improved for IPF; to present novel endpoints different from forced vital capacity decline.

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

**Method(s) :** General respiratory patient care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Physician in Pulmonary Training, Radiologist

**Chairs :** Antoine Froidure (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

13:45	<b>Failed idiopathic pulmonary fibrosis trials: lessons learned</b> Luca Richeldi (Rome, Italy)	1807
14:00	<b>Beyond forced vital capacity: prime time for patient-reported outcomes</b> Yet Hong Khor (Melbourne (VIC), Australia)	1808
14:15	<b>Choosing targetable pathogenetic pathways?</b> Manuela Funke-Chambour (Bern, Switzerland)	1809
14:30	<b>Clinical trials on acute exacerbations</b> Bruno Crestani (Paris, France)	1810
14:45	<b>Discussion and Q&amp;A</b> All Speakers	1811

C2

Session 169

13:45 - 14:30

### Guidelines session: Symptom management for adults with serious respiratory illness European Respiratory Society clinical practice guideline

**Aims :** To discuss the newly published European Respiratory Society guideline on symptom management for adults with serious respiratory illness; to highlight recommendations for management of breathlessness, fatigue and cough in adults with serious respiratory illness; to provide practical guidance for health professionals on managing symptoms in adults with serious respiratory illness.

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

**Method(s) :** General respiratory patient care Palliative care Pulmonary rehabilitation

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Nurse, Patient, Respiratory physiotherapist, Respiratory therapist

**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom)

13:45	<b>Patient's perspective</b> John Solheim (Sætre, Norway), Phil Collis (Leamington Spa, United Kingdom)	1812
13:50	<b>Recommendations for symptom management in people with serious respiratory illness</b> Anne Holland (Fitzroy North (VIC), Australia)	1813
14:05	<b>Should opioids be used to reduce symptoms in people with serious respiratory illness?</b> Natasha Smallwood (Melbourne (VIC), Australia)	1814
14:20	<b>Discussion and Q&amp;A</b> All Speakers	1815

## C5 Session 170 13:45 - 15:15

### Symposium: Obstructive sleep apnoea and vascular injury: what we know and where we are going

**Aims :** To discuss pathophysiological mechanisms and novel markers of the vascular sequelae of obstructive sleep apnoea (OSA) in different vascular beds and different populations including children.

**Disease(s) :** Paediatric respiratory diseases Sleep and breathing disorders

**Method(s) :** General respiratory patient care Physiology

**Tag(s) :** Clinical, Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Henri Korkalainen (Kuopio, Finland), Athanasia Pataka (Thessaloniki, Greece), Dries Testelmans (Leuven, Belgium)

13:45	<b>How can obstructive sleep apnoea lead to vascular injury?</b> Silke Ryan (Dublin, Ireland)	1816
14:00	<b>Surrogate markers of vascular injury and cardiovascular autonomic stress in obstructive sleep apnoea</b> Manuel Sanchez De La Torre (Toledo, Spain)	1817
14:15	<b>Consequences of obstructive sleep apnoea on the cerebrovascular bed and effect of obstructive sleep apnoea therapy on stroke risk</b> Esther Irene Schwarz (Zürich, Switzerland)	1818
14:30	<b>Elevated blood pressure in otherwise healthy children with obstructive sleep apnoea and the effects of adenotonsillectomy: the jury is still out</b> Athanasios G. Kaditis (Athens, Greece)	1819
14:45	<b>Discussion and Q&amp;A</b> All Speakers	1820

## C1 Session 171 13:45 - 15:15

### Hot topics: Imaging for precision treatment in obstructive lung diseases: ready for prime time?

**Aims :** To highlight how novel imaging tools have changed diagnosis, management and prognosis in different fields of respiratory disease; to explain the added value for prognosis and management when imaging tools are powered by artificial intelligence; to demonstrate opportunities to progress the role of imaging to prime time in precision management of people with respiratory diseases; to outline opportunities for use of imaging tools to drive regulatory and clinical development.

**Disease(s) :** Airway diseases

**Method(s) :** Endoscopy and interventional pulmonology Imaging Physiology

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Thoracic surgeon

**Chairs :** Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria), Ádám Domonkos Tárnoki (Budapest, Hungary)

13:45	<b>Imaging in identification of the COPD comorbidity</b> Juan Pablo de Torres Tajés (Zizur Mayor, Spain)	1821
14:00	<b>Patterns of respiratory dysfunction on 129Xe magnetic resonance imaging in people with obstructive lung diseases in NOVELTY</b> Helen Marshall (Sheffield (South Yorkshire), United Kingdom)	1822
14:15	<b>Identifying and scoring mucus plugs with chest computed tomography: is there a place for AI?</b> Arnaud Bourdin (Montpellier Cedex 5, France)	1823

14:30	<b>Imaging for selection of COPD patients for lung volume reduction</b> Dirk-Jan Slebos (Groningen, Netherlands)	1824
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14:45	<b>Discussion and Q&amp;A</b> All Speakers	1825
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<b>C6</b>	<b>Session 172</b>	<b>13:45 - 15:15</b>
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**State of the art session: Thoracic oncology**  
**Lung cancer diagnostics and treatment challenges**

**Aims :** To describe essential criteria to decide the best personalised treatment options in early-stage non-small cell lung cancer (NSCLC); to describe the indications and applications of robotic bronchoscopy in the diagnosis and management of early-stage NSCLC; to explain the indications for neoadjuvant treatment at stage IB/IIA and adjuvant treatment at stage I and to describe the identification of potential candidates; to describe the impact of chemo/immunotherapy on the type of surgical resection and subsequent surgical events; to identify associations with surgical outcomes.

**Disease(s) :** Thoracic oncology

**Method(s) :** Imaging Surgery

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

**Chairs :** Najib M. Rahman (ABINGDON, United Kingdom), Didier Schneiter (Zürich, Switzerland), Maria Joana Pereira Catarata (Porto, Portugal)

13:45	<b>The modern endoscopic approach for lung cancer</b> Niral Patel (La Jolla, United States)	1826
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14:00	<b>Neoadjuvant treatment in stage IB/IIA. Who, when, why?</b> Jacques Cadranet (Paris Cedex 20, France)	1827
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14:15	<b>Neoadjuvant chemo-/immunotherapy and subsequent surgical approach and outcomes: the surgeon's view</b> Alessandro Brunelli (Leeds (West Yorkshire), United Kingdom)	1828
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14:30	<b>State-of-the-art molecular diagnostics in lung cancer for the pulmonologist</b> Joanna Chorostowska-Wynimko (Warsaw, Poland)	1829
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14:45	<b>Discussion and Q&amp;A</b> All Speakers	1830
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<b>A2</b>	<b>Session 173</b>	<b>13:45 - 15:15</b>
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**Symposium: Smoking in patients with obstructive airway diseases: a challenge beyond chronic obstructive pulmonary disease**

**Aims :** To understand the importance of smoking cessation as an integral part of every service for patients of pulmonary physicians; to highlight tobacco cessation in adolescence as a complex and ongoing process that should involve various stakeholders, including schools, healthcare providers, parents and the community, to create a comprehensive strategy for success.

**Disease(s) :** Airway diseases

**Method(s) :** Epidemiology Public health

**Tag(s) :** Clinical, Translational , Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Scientist (basic, translational), Respiratory therapist, Journalist

**Chairs :** Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)

13:45	<b>Patient's perspective</b> Helen Vasiliki Giannakou (, Greece)	1831
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13:50	<b>Smoking among adolescents: facts on data</b> Stamatoula Tsikrika (Athens, Greece)	1832
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14:05	<b>Cellular mechanisms and structural changes associated with cigarette smoking in asthma: impact of smoking on asthma inflammatory phenotypes</b> Guy Brusselle (Ghent, Belgium)	1833
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14:20	<b>Smoking before and after COPD diagnosis</b> Aslı Görek Dilektaşlı (Bursa, Turkey)	1834
14:35	<b>Impact of smoking on treatment response: reduced efficacy of inhaled corticosteroids and biologicals?</b> Marco Idzko (Wien, Austria)	1835
14:50	<b>Discussion and Q&amp;A</b> All Speakers	1836

### C3 Session 174 13:45 - 15:15

#### Mini symposium: End-of-life care in non-cancer conditions

**Aims :** To describe an evidence-based approach to end-of-life issues in different diseases and situations.

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)

13:45	<b>End-of-life care in motor neuron disease</b> Idris Baker (Swansea, United Kingdom)	1837
14:00	<b>End-of-life care in interstitial lung disease: worth treating exacerbation?</b> Claudia Valenzuela (Madrid, Spain)	1838
14:15	<b>Long-term invasive mechanical ventilation in COPD and beyond: opportunities and limits</b> Anita Simonds (London, United Kingdom)	1839
14:30	<b>Discussion and Q&amp;A</b> All Speakers	1840

### Studio Session 177 14:00 - 14:50

#### Skills lab: Performing and interpreting pulmonary function tests in children

**Aims :** To present and discuss videos on three pulmonary function tests (nasal nitric oxide, multiple breath washout and oscillometry); to focus on important issues with the techniques and measurements; to explain how to interpret the results in children.

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

**Method(s) :** Epidemiology Physiology Pulmonary function testing

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Nicole Beydon (Paris, France)

14:00	<b>Introduction</b> Nicole Beydon (Paris, France)	1843
14:02	<b>Performing and interpreting nasal nitric oxide measurements</b> Emma Fettes (London, United Kingdom)	1844
14:14	<b>Performing and interpreting multiple breath washout in children</b> Paul Robinson (Brisbane, Australia)	1845
14:26	<b>Performing and interpreting oscillometry in children</b> Enrico Lombardi (Florence, Italy)	1846
14:38	<b>Clinical case and discussion</b> Nicole Beydon (Paris, France), Emma Fettes (London, United Kingdom), Paul Robinson (Brisbane, Australia), Enrico Lombardi (Florence, Italy)	5625

### A1 Session 178 14:15 - 15:30

#### Oral presentation: Inflammation and new insights into cystic fibrosis

**Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing Cell and molecular biology General respiratory patient care Imaging**Tag(s) :** Clinical**Chairs :** Oded Breuer (Jerusalem, Israel), Bülent Taner Karadag (Istanbul, Turkey)

- OA1848 Neutrophil elastase and myeloperoxidase in airway extracellular vesicles of cystic fibrosis children during pulmonary exacerbations**  
Elad Ben-Meir (Shoham, Israel), Lina Antounians, Shafinaz Eisha, Felix Ratjen, Augusto Zani, Hartmut Grasemann
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- OA1849 Effectiveness of elaxacaftor/tezacaftor/ivacaftor (ETI) on oxidative stress in patients with cystic fibrosis.**  
Giuseppe Fabio Parisi (Catania (CT), Italy), Evelina Moliteo, Maria Papale, Giulia Pecora, Novella Rotolo, Salvatore Leonardi
- 
- OA1850 The role of periostin in cystic fibrosis and severity of disease in children with cystic fibrosis**  
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Aleyna Sever, Harun Mamac, Kubranur Unal, Leyla Ibrahimkanlı, Volkan Medeni
- 
- OA1851 Does the highly effective modulator therapy influence airway inflammation in people with cystic fibrosis?**  
Irena Wojsyk-Banaszak (Poznań, Poland), Paulina Famulska, Beata Narożna, Katarzyna Tapolska-Józwiak, Zuanna Stachowiak, Marta Osińska, Aleksandra Szczepankiewicz, Anna Wiesner, Aleksandra Szczepankiewicz
- 
- OA1852 Impact of the Lung Clearance Index on clinical decision-making in children with cystic fibrosis**  
Lucy Perrem (Toronto (ON), Canada), Sanja Stanojevic, Stephanie Jeanneret-Manning, Stephanie D Davis, Margaret Rosenfeld, Felix Ratjen
- 
- OA1853 Ventilation distribution efficiency or lung clearance index: Does it matter?**  
Christine Sachs Olsen (Oslo, Norway), Michelle Shaw, Renee Jensen, Sanja Stanojevic, Felix A. Ratjen
- 
- OA1854 Our new stethoscope LUS, with a new scoring system, in CF lung disease**  
Sule Selin Akyan Soydaş (ANKARA, Turkey), Satı Özkan Tabakçı, Işıl Bilgiç, Meltem Kurtul Çakar, Gamze Akça Dinç, Bahar Ece Tokdemir, Hande Yetişgin, Çelebi Yıldırım, Gökçen Dilşa Tuğcu, Sanem Eryılmaz Polat, Dilber Ademhan Tural, Avni Merter Keçeci, Güzin Cinel
- 
- OA1855 Does Lactobacillus Reuteri affect Spirometry Parameters in Cystic Fibrosis patients?**  
Seyedeh Zalfa Modarresi (Tehran, Islamic Republic of Iran), Seyed Ahmad Tabatabaiee, Ghamartaj Khanbabaee, Saeed Sadr, Nazanin Farahbakhsh, Matin Pourghasem, Mahmoud Hajipour
- 
- OA1856 Beta-adrenergic sweat test in challenging cystic fibrosis diagnosis.**  
Mairead Kelly-Aubert (Paris, France), Clémence Martin, Arnaud Schweitzer-Chaput, Manuel Nietert, Emmanuelle Girodon, Isabelle Sermet-Gaudelus, Thao Nguyen-Khoa
- 
- OA1857 Discussion and Q&A**  
All Speakers

A3

Session 179

14:15 - 15:30

Oral presentation: Best European Respiratory Society research from a primary care perspective

**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Public health Epidemiology Cell and molecular biology General respiratory patient care**Tag(s) :** Clinical**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Janwillem W. H. Kocks (Groningen, Netherlands)

- OA1859 Overlap of treatable traits in asthma and COPD in Dutch primary care**  
Lars Dijk (Groningen, Netherlands), Marjan Kerkhof, Merijn Driessen, Yoran Gerritsma, Thys Van Der Molen, Ian Pavord, Ronald Meijer, Huib Kerstjens, Janwillem Kocks
- 
- OA1860 A novel COPD anticipatory care service (CACS) to optimize high-risk population and alleviate winter pressures.**  
Kay Roy (London, United Kingdom), Raj Gill, Yasmin Abdi, Sarah Farooqi, Rebecca Maynard
- 
- OA1861 Exploring the Link between Social Support and Patient-Reported Outcomes in COPD Patients: A Cross-Sectional Study in Primary Care**  
Izolde Bouloukaki (Heraklion (Crete), Greece), Antonios Christodoulakis, Katerina Margetaki, Antonia Aravantinou Karlatou, Ioanna Tsiligianni
- 
- OA1862 Assessment of neutrophils and lymphocytes ratio (NLR) association with mortality in acute COPD exacerbation**  
Julio Cesar de Oliveira (Botucatu, Brazil), Bruno Déo De Oliveira, Juliana Rocha Chiappetto, Luis Maurício Batalin Jr., Thomaz Vargas, Bruno De Mattos Freire, Gabriella Gomes De Carvalho, Carolina Breda, Diane Rezende Batista, Estefânia Franco, Robson Prudente, Suzana Erico Tanni



- OA1863** **Reference values for blood eosinophil counts in a population-representative adult sample**  
Reshed Abohalaka (Göteborg, Sweden), Selin Ercan, Lauri Lehtimäki, Saliha Selin Özüygür Ermis, Daniil Lisik, Muwada Bashir Awad Bashir, Radhika Jadhav, Linda Ekerljung, Göran Wennergren, Jan Lötval, Teet Pullerits, Helena Backman, Madeleine Rädinger, Bright I. Nwaru, Hannu Kankaanranta
- OA1864** **Culturally secure strategies for treating child chronic wet cough**  
Gloria Lau (Manning, Australia), Pam Laird, Robyn Aitken, Melanie Barwick, Gabrielle McCallum, Peter Morris, Richard Norman, Maree Toombs, Roz Walker, Anne Chang, André Schultz, On Behalf Of The Apple Investigator Group
- OA1865** **Use of standardised pathway times to improve timely care in ILD and what waiting times are acceptable to ILD patients**  
Max Haupt (Manchester, United Kingdom), Sian McIntock, Jenna Swale, Holly Montgomery, Helen Morris, Cristina Avram
- OA1866** **AZD4604 PK assessment using finger-prick microsampling**  
camille riff (Gothenburg, Sweden), Davinder P S Dosanjh, Maria Heijer, Julia Larsson, Zala Jevnikar, Pablo Forte Soto, Laila Ahmed, Kyriakos V Konstantinidis, Tina Jellesmark Jensen, Rod Hughes
- OA1867** **Clinical validation of Swaasa® artificial intelligence platform using cough sounds for screening and diagnosis of respiratory diseases**  
Balamugesh Thangakunam (Vellore (Tamil Nadu), India), Sujith Chandy, D J Christopher, Narayana Rao Sripada, Charishma Gottipulla, Gowrisree Rudraraju, Kripa Rasquinha, Prasanna Samuel
- OA1868** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 180

14:15 - 15:30

## Oral presentation: Novel aspects in pulmonary hypertension

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

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

Tag(s) : Translational

Chairs : Jurjan Aman (Amsterdam, Netherlands), Laura Price (London, United Kingdom)

- OA1869** **Late Breaking Abstract - SGLT2 promotes endothelial dysfunction and inflammation induced by plasma from patients with pulmonary hypertension**  
Hira MUZAMMEL (strasbourg, France), Sophie Kerth, Said Amissi, Ali Mroueh, Marianne Riou, A Petry, Agnes Görlach, Valérie B. Schini-Kerth
- OA1870** **Imatinib aggravates pressure-overload-induced right ventricle failure via JNK/Runx2 pathway**  
Xiaohui Zeng (Guangzhou, China), Tao Wang
- OA1871** **Sustained benefit with servalutinib treatment: Lessons from the open-label extension (OLE) of the TORREY study**  
Vallerie V. McLaughlin (Ann Arbor, United States), Sidra Hoffman, Sandeep Sahay, Pilar Escribano Subías, Ronald L. Zolty, John F. Kingrey, Brittany Penn, Irina Sobol, Namita Sood, Raymond L. Benza, Richard N. Channick, Kelly M. Chin, Robert P. Frantz, Hossein-Ardeschir Ghofrani, Anna R. Hemnes, Luke S. Howard, Jean-Luc Vachiéry, Roham T. Zamanian, Matt Cravets, Robin Osterhout, Robert F. Roscigno, Ed Parsley, Richard Aranda, Lawrence S. Zisman, Olivier Sitbon
- OA1872** **Sustained effect of servalutinib on circulating biomarkers: Lessons from the TORREY phase 2 open-label extension study**  
H. Ardeschir Ghofrani (Gießen, Germany), Robin Osterhout, Anna R. Hemnes, Olivier Sitbon, Raymond L. Benza, Richard N. Channick, Kelly M. Chin, Robert P. Frantz, Luke S. Howard, Vallerie V. McLaughlin, Jean-Luc Vachiéry, Robert F. Roscigno, Lawrence S. Zisman, Richard Aranda, Jean-Marie Bruey, Roham T. Zamanian
- OA1873** **Novel biomarkers for BMPR2 target engagement have significant effects upon mortality in pulmonary arterial hypertension.**  
Rowena Jones (CB2 0BD, United Kingdom), Eckart De Bie, Nina Deliu, Sofia Villar, Allan Lawrie, Dennis Wang, Chris Rhodes, Mark Toshner
- OA1874** **Plasma Proteome Clusters in Pulmonary Hypertension and Their Therapeutic Implications**  
Athénaïs Boucly (London, United Kingdom), Shanshan Song, Merve Keles, Dennis Wang, Luke Howard, Marc Humbert, Olivier Sitbon, Allan Lawrie, Christopher Rhodes, Martin Wilkins
- OA1875** **Exploring biomarkers in CTEPH: prognostic significance and post-PEA dynamics analysis**  
ALESSANDRA CUOMO (Le Kremlin-Bicêtre, France), Corinne Normand, Ly Tu, Xavier Jais, Mitja Jevnikar, Olivier Sitbon, David Montani, Valentina Mercurio, Elie Fadel, Olaf Mercier, Marc Humbert, Christophe Guignabert, Laurent Savale

**OA1876 Implication of Integrin  $\alpha 5\beta 1$  in right ventricular failure associated with pulmonary arterial hypertension**  
Sarah-Eve Lemay (Quebec, Canada), Mónica S. Montesinos, Yann Grobs, Charlie Théberge, Mélanie Sauvaget, Tetsuro Yokokawa, Tsukasa Shimauchi, Charlotte Romanet, Alice Bourgeois, Sandra Breuils-Bonnet, Sandra Martineau, James E Dowling, Min Lu, Parmita Saxena, T. Andrew McTeague, Bryan Goodwin, Blaise Lippa, François Potus, Steeve Provencher, Olivier Boucherat, Sébastien Bonnet

**OA1877 Right ventricular strain impairment due to hypoxia in patients with COPD**  
Helga Preiss (Zurich, Switzerland), Stephanie Saxer, Simon R Schneider, Julian Müller, Michael Furian, Maamed Mademilov, Anna Titz, Shehab Anwer, Felix C Tanner, Lena Reimann, Talant Sooronbaev, Konrad Bloch, Silvia Ulrich, Mona Lichtblau

**OA1878 Effect of eccentric cycling on oxygen uptake and hemodynamics in patients with pulmonary vascular disease.**  
Julian Müller (Zürich, Switzerland), Simon R. Schneider, Anna Titz, Claudia Thalmann, Esther I. Schwarz, Christoph Bauer, Ekkehard Grünig, Malcolm Kohler, Mona Lichtblau, Silvia Ulrich

**OA1879 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 181

14:15 - 15:30

## Oral presentation: Best abstracts in behavioural science and health psychology

**Disease(s) :** [Airway diseases](#) [Sleep and breathing disorders](#) [Interstitial lung diseases](#)

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

**Tag(s) :** Clinical

**Chairs :** Andreas Von Leupoldt (Leuven, Belgium), Eleonora Volpato (Milano (MI), Italy)

**OA1880 Late Breaking Abstract - A digital mindfulness-based intervention improves mental health in COPD - Findings from a pilot RCT**  
Hannah Tschenett (Vienna, Austria), Florian Vafai-Tabrizi, Ralf Harun Zwick, Arschang Valipour, Georg-Christian Funk, Urs M. Nater

**OA1881 Menthol for exertional dyspnoea relief in COPD**  
Michele Schaeffer (Vancouver, Canada), Lucas Vanden Bossche, Kaat Beckers, Kristin Verbeke, Wim Janssens, Dennis Jensen, Andreas Von Leupoldt, Daniel Langer

**OA1882 Error processing in patients with asthma during dyspnea**  
Ysys Denuette (Leuven, Belgium), Astrid Remue, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

**OA1883 Neural processing of respiratory sensations in patients with dysfunctional breathing**  
Lucas Vanden Bossche (Leuven, Belgium), Ysys Denuette, Kristy Lam, Katleen Bogaerts, Linda Stans, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

**OA1884 Breathlessness self-management in people with long-term conditions: using a realist review to develop theory and work with stakeholders to co-design an implementation strategy**  
Ann Hutchinson (Hull (North Humberside), United Kingdom), Flavia Swan, Sarah Greenley, Tim Lockett, Kath Sartain, Miriam Johnson, Mark Pearson

**OA1885 Effect of a personality-informed intervention on changes in quality of life in pulmonary rehabilitation**  
Sébastien Kuss (Lodève, France), Nelly Héraud, Espérance Moine, Virginie Molinier, François Alexandre, Benjamin Eichenauer, Lorie Thomas, Laura Brandon, Perrine Sanchez, Brice Canada

**OA1886 Differences in Psychosocial Wellbeing between Rehabilitants with Asthma, COPD, and Long COVID**  
Markus Hayden (Bad Reichenhall, Germany), Matthias Limbach, Gabriele Schwarzl, Anna Greißel, Antonius Schneider

**OA1887 Role of Partnership in PAP Therapy Adoption in Obstructive Sleep Apnea**  
Meredith Barrett (Portland, United States), Leanne Kaye, Vy Vuong, Adam Benjafield, Priyanshu Gupta

**OA1888 Evaluating adherence to Non-Invasive Ventilation (NIV): findings from a validation study among patients with obstructive or restrictive respiratory conditions**  
Eleonora Volpato (Milano (MI), Italy), Francesco Pagnini, Paolo I. Banfi

**OA1889 Causal associations of depression with chronic respiratory diseases: a mendelian randomization study**  
Zhi-Yuan Chen (QUANZHOU, China), Ang Liu, Wan-Jing Zheng, Xiao-Hua Gao, Ping-Yang Hong, Jian-Hua Wu, Bin Su

**OA1890 Discussion and Q&A**  
All Speakers

Strauss 2

Session 182

14:15 - 15:30

## Oral presentation: Innovative perspectives on cellular mechanisms in lung diseases

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

Method(s) : Cell and molecular biology Epidemiology Imaging

Tag(s) : Translational

Chairs : Audrey Joannes (RENNES, France), Julien Guiot (Liège, Belgium)

**Human SARS-CoV-2 challenge uncovers differences in local and systemic cellular responses associated with protection from infection and distinct infection states**

OA1891 Kaylee Worlock (London, United Kingdom), Rik G.H. Lindeboom, Lisa Dratva, Masahiro Yoshida, David Scobie, Helen Wagstaffe, Laura Richardson, Anna Wilbrey-Clark, Josephine Barnes, Puja Mehta, Lorenz Kretschmer, Krzysztof Polanski, Jessica Allen-Hyttinen, Dinithi Sumanaweera, Jacqueline M. Boccacino, Waradon Sungnak, Rasa Elmentaite, Ni Huang, Lira Mamanova, Rakeshlal Kapuge, Liam Bolt, Elena Prigmore, Ben Kilingley, Mariya Kalinova, Maria Mayer, Alison Boyers, Alex Mann, Leo Swadling, Maximillian Woodall, Samuel Ellis, Claire M. Smith, Vitor Teixeira, Sam M. Janes, Rachel C. Chambers, Muzlifah Haniffa, Andrew Catchpole, Rob Heyderman, Mahdad Noursadeghi, Benny Chain, Andreas Mayer, Kerstin B. Meyer, Christopher Chiu, Sarah A. Teichmann, Marko Z. Nikolić

**LSC - 2024 - Unravelling susceptibility to COPD: insights from a novel in vitro model to potential therapeutic targets**

OA1892 Cheng-Yu Wu (Giessen, Germany), Anis Cilic, Kevin Lo, Henrik Watz, Frauke Pedersen, Werner Seeger, Friedrich Grimminger, Hossein-Ardeschir Ghofrani, Ralph Theo Schermuly, Natascha Sommer, Norbert Weissmann, Stefan Hadzic

**Early human lung immune cell development and its role in epithelial cell fate**

OA1893 Josephine Barnes (London, United Kingdom), Masahiro Yoshida, Peng He, Kaylee Worlock, Rik Lindeboom, Chenqu Suo, J. Patrick Pett, Anna Wilbrey-Clark, Emma Dann, Lira Mamanova, Laura Richardson, Krzysztof Polanski, Adam Pennycuik, Jessica Allen-Hytinnen, Iván Herczeg, Romina Arzili, Robert Hynds, Vitor Teixeira, Muzlifah Haniffa, Kyungtae Lim, Dawei Sun, Emma Rawlins, Amanda Oliver, Paul Lyons, John Marioni, Christiana Ruhrberg, Zewen Tuong, Menna Clatworthy, James Reading, Sam Janes, Sarah Teichmann, Kerstin Meyer, Marko Nikolić

**LSC - 2024 - The lung microvasculature promotes alveolar type 2 cell differentiation via secreted SPARCL1**

OA1894 Paolo Panza (Bad Nauheim, Germany), Till Lautenschläger, Gan Zhao, Mario Looso, Ondine Cleaver, Elisabeth Naschberger, Michael Stürzl, Andrew Vaughan, Didier Stainier

**Intra-pulmonary adipocytes exert a profibrotic effect**

OA1895 Kinan El Husseini (Paris, France), Jérémie Hestin, Nicolas Poté, Madeleine Jaillet, Pierre Mordant, Hervé Mal, Justine Frija-Masson, Raphaël Borie, Aurélie Cazes, Bruno Crestani, Arnaud Mailleux

**Applying single-cell profiling to assess drug anti-fibrotic properties in the human precision-cut lung slice model of fibrosis**

OA1896 Aurélien Justet (Caen, France), Milay Mitash, Sam Micha Raredon, Ricardo H Pineda, Taylor Adams, Nebal Al Hussein, Masahiro Ishizuka, Kim Hahram, Johad Khoury, Farida Ahangari, Yang Xiting, Kaminski Naftali, Königshoff Melanie

**Lung transcriptomics of emphysema reveal barrier function impairment and macrophage M1-M2 imbalance**

OA1897 Adel El Boueiz (Dedham, United States), Robin Lu, Rahul Suryadevara, Zhonghui Xu, Dhawal Jain, Jeffrey Curtis, Maor Sauler, Brian Bartholmai, Edwin Silverman, Peter Castaldi

**Identification of an airway smooth muscle gene expression profile in COPD tissue versus control using spatial transcriptomics**

OA1898 Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Alexander Clay, Ian Hall, Ian Sayers

**LSC - 2024 - Deciphering the spatial heterogeneity of interstitial lung disease by integrative radiomics and single-nucleus transcriptomics**

OA1899 Michael Ammeter (Bern, Switzerland), Yuexin Chen, Michaela Müller, Shuhong Zhou, Laurens J. De Sadeleer, Matthias Brunner, Oliver Distler, Hubert S. Gabryś, Stephanie Tanadini-Lang, Malte D. Luecken, Stijn Verleden, Britta Maurer, Herbert B. Schiller, Janine Gote-Schniering

**Novel insight into alveolar capillary dysplasia from multi-omics and 3D imaging**

OA1900 Da-Hee Park (Hannover, Germany), Jan-Christopher Kamp, Lavinia Neubert, Hinrich Freitag, Jonas C. Schupp, Peter Braubach, Wrede Christoph, Laenger Florian, Tim Salditt, Jakob Reichmann, Tobias Welte, Arjang Ruhparwar, Fabio Ius, Nicolaus Schwerk, Anke K. Bergmann, Sandra Von Hardenberg, Matthias Griese, Christina Rapp, Karen M. Olsson, Jan Fuge, Marius M. Hoeper, Danny D. Jonigk, Lars Knudsen, Mark P. Kuehnel

**Discussion and Q&A**

OA1901 All Speakers

C2

Session 184

14:30 - 15:15

## Symposium: Advances in short regimens for treating drug-susceptible and drug-resistant tuberculosis

**Disease(s) :** Respiratory infections**Method(s) :** Epidemiology Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Journalist**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom)

14:30	<b>Short-course regimens for drug-susceptible tuberculosis: evidence to decision framework</b> Carla Winston (Atlanta, United States)	1903
14:45	<b>Short-course regimens for rifampicin-resistant tuberculosis</b> Jussi Saukkonen (Boston, United States)	1904
15:00	<b>Discussion and Q&amp;A</b> All Speakers	1905

**Stolz 2****Session 185****14:30 - 16:50****Skills workshop: SW20 SW 20 - Cardiac Ultrasound in the management of respiratory failure - €**  
Additional registration is required for this session.**Aims :** 1. Develop a rigorous and systematic approach in performing and analysing cardiac ultrasound parameters in respiratory disease. 2) Explain systolic function, diastolic function, right heart dysfunction during COPD patients, management of pulmonary embolism. 3) Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation. 4) Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non invasive ventilation**Disease(s) :** Pulmonary vascular diseases Respiratory critical care**Chairs :** Bouchra Lamia (Le Havre, France)

14:30	<b>Introduction</b> All Speakers	1907
14:40	<b>Assessment of diastolic function in COPD patients</b> Valentina Mercurio (Napoli, Italy)	1908
14:40	<b>Cardiac ultrasound assessment of right heart function</b> Paul M. Hassoun (Baltimore, United States)	1909
14:40	<b>Cardiac ultrasound for the management of pulmonary embolism</b> Mario Gerges (Vienna, Austria)	1910
14:40	<b>Hemodynamic consequences of non-invasive ventilation</b> Bouchra Lamia (Le Havre, France)	1911

**Studio****Session 187****15:15 - 16:00****Congress theme: Little humans and machines, getting the balance right in childhood asthma****Aims :** To explore the integration of digital health technologies in the management of childhood asthma, including mobile apps, social robots and tele-monitoring systems, and the potential consequences of these tools for the well-being of children and their relationships with respiratory care professionals; to provide an overview of the existing digital health technologies for the management of childhood asthma; to describe the evidence of the clinical effectiveness of digital health technologies for the management of childhood asthma; to provide insight into the benefits and risks of digital health technologies in children.**Disease(s) :** Paediatric respiratory diseases**Method(s) :** General respiratory patient care**Tag(s) :** Congress theme: Humans and Machines: getting the balance right**Target audience :** General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient**Chairs :** Susanne Vijverberg (Amsterdam, Netherlands), Andrew Bush (London, United Kingdom)

15:15	<b>Managing childhood asthma: the potential contributions of digital technologies</b> Giuliana Ferrante (Verona, Italy)	1913
15:30	<b>Telemonitoring systems and their technical, ethical and societal challenges in children with asthma</b> David Drummond (Paris, France)	1914
15:45	<b>Discussion and Q&amp;A</b> All Speakers	1915

C4

Session 188

15:30 - 17:00

**Clinical cases: Lungs on fire: interstitial lung diseases?**

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s) :** **Interstitial lung diseases** **Airway diseases**

**Tag(s) :** Clinical

**Chairs :** Antoine Froidure (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

**Discussants :** Vincent Cottin (Lyon, France), Pilar Rivera Ortega (Manchester, United Kingdom)

15:30	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: J. Taylor (Australia)</b> Pilar Rivera Ortega (Manchester, United Kingdom)	1916
15:52	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: S. Ng (Singapore)</b> Vincent Cottin (Lyon, France)	1917
16:14	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: A. Kahnlund (Sweden)</b> Pilar Rivera Ortega (Manchester, United Kingdom)	1918
16:36	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: M. Rodil Riera (Spain)</b> Vincent Cottin (Lyon, France)	1919

C2

Session 189

15:30 - 17:00

**Journal session: The best of the European Respiratory Journal**

**Aims :** To review the best papers published in the European Respiratory Journal during 2024 in the following fields: sleep and ventilation, cystic fibrosis and bronchiectasis, translational science and airways disease.

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

**Method(s) :** Cell and molecular biology

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom)

15:30	<b>The best of the ERJ- sleep and ventilation</b> Patrick Lévy (Grenoble, France)	1920
15:45	<b>The best of the ERJ- cystic fibrosis and bronchiectasis</b> Marcus Mall (Berlin, Germany)	1921
16:00	<b>The best of the ERJ- translational sciences</b> Mareike Lehmann (Marburg, Germany)	1922
16:15	<b>The best of the ERJ- COPD and asthma</b> Jodie Simpson (Heddon Greta, Australia)	1923
16:30	<b>Discussion and Q&amp;A</b> All Speakers	1924

C5

Session 190

15:30 - 17:00

**Symposium: Novel diagnostic approaches to sleep-disordered breathing and translation to personalised patient care**



**Aims :** To review the recent advances in diagnostic technology, discuss the application of machine learning tools for improved diagnostic accuracy and describe the development of novel applications that are directed towards improved patient participation in personalised care in the context of the ongoing major European Union Horizon 2020 grant “Sleep Revolution” (Grant Agreement no. 965417); to provide a comprehensive understanding of the latest advances in diagnostic tools and technologies for sleep-disordered breathing; to identify the mechanics, advantages and potential limitations of novel diagnostic approaches, enabling them to evaluate and incorporate these tools into their clinical practice or research; to equip participants with the knowledge and skills required to translate diagnostic findings into personalised care strategies; to foster a collaborative environment that encourages the sharing of ideas and experiences among participants.

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

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

**Tag(s) :** Translational , Congress theme: Humans and Machines: getting the balance right

**Target audience :** Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Scientist (basic, translational), Journalist

**Chairs :** Henri Korkalainen (Kuopio, Finland), Athanasia Pataka (Thessaloniki, Greece), Dries Testelmans (Leuven, Belgium)

15:30	<b>Sleep Revolution: objectives and achieved milestones in revolutionising sleep-disordered breathing diagnostics and management</b> Erna Sif Arnardóttir (Reykjavik, Iceland)	1925
15:45	<b>Novel technologies in the diagnosis and management of sleep-disordered breathing</b> Ding Zou (Gothenburg, Sweden)	1926
16:00	<b>Machine learning and data analytical approaches to improve the diagnosis and management of sleep-disordered breathing</b> Timo Leppänen (Kuopio, Finland)	1927
16:15	<b>Translation of technological developments in diagnosis to personalised patient care</b> Sophia E. Schiza (Heraklion, Greece)	1928
16:30	<b>Discussion and Q&amp;A</b> All Speakers	1929

## C1 Session 191 15:30 - 17:00

### Symposium: Humans and machines: getting the balance right

#### Congress chair's session

**Aims :** To present the development, current role and future potential of artificial intelligence in different fields of science, healthcare and medical research.

**Method(s) :** Epidemiology Imaging Physiology

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

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

**Chairs :** Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria), Ádám Domonkos Tárnoki (Budapest, Hungary)

15:30	<b>Patient's perspective</b> Morag Hayes (Edinburgh, United Kingdom)	1930
15:35	<b>Digital hospital and other practical steps towards digitalization in medicine: advances and limitations</b> Michael Dreher (Aachen, Germany)	1931
15:50	<b>Robotic bronchoscopy for pulmonary nodules: finally a solution or just a toy?</b> Daniela Gompelmann (Vienna, Austria)	1932
16:05	<b>AI in pediatric pneumology</b> Stefania La Grutta (Palermo (PA), Italy)	1933
16:20	<b>Putting theory into practice: implementation of artificial intelligence in thoracic imaging</b> Helmut Prosch (Wien, Austria)	1934
16:35	<b>Discussion and Q&amp;A</b> All Speakers	1935

## C6 Session 192 15:30 - 17:00

### Clinical cases: Lungs on fire: lung cancer?

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s) :** Thoracic oncology

**Tag(s) :** Clinical

**Chairs :** Najib M. Rahman (ABINGDON, United Kingdom), Didier Schneider (Zürich, Switzerland), Joanna Chorostowska-Wynimko (Warsaw, Poland)

**Discussants :** Georgia Hardavella (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany)

15:30	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: S. Chaurasia (India)</b> Georgia Hardavella (Athens, Greece)	1936
15:52	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: M. Ibrahim (Germany)</b> Torsten Gerriet Blum (Berlin, Germany)	1937
16:14	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: D. Amorim (Portugal)</b> Georgia Hardavella (Athens, Greece)	1938
16:36	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: J. T. Kutty (India)</b> Torsten Gerriet Blum (Berlin, Germany)	1939

## A2 Session 193 15:30 - 17:00

### Symposium: Lung function abnormalities, chronic obstructive lung disease and multimorbidity

**Aims :** To provide an expert overview of the current state of knowledge concerning patterns of lung function and cardiovascular and other comorbidities; to highlight that evidence is stronger for restrictive than obstructive defects; to clarify that chronic obstructive pulmonary disease (COPD)-comorbidity links are largely explained by known risk factors, whereas the restrictive lung function-comorbidity link has not been fully explored or explained; to present evidence from low- and middle-income countries linking a low forced vital capacity (small lungs) to cardiometabolic comorbidities; to demonstrate that part of the association between a restrictive defect (lower forced vital capacity) and cardiovascular comorbidity is explained by shared developmental signalling pathways; to describe the clinical and healthcare implications of comorbidities associated with COPD and impaired lung function; to describe how artificial intelligence techniques have contributed to lung function trajectory modelling; to provide take-home messages; to provide a deeper understanding of respiratory comorbidities and their clinical implications.

**Disease(s) :** Airway diseases

**Method(s) :** Epidemiology Public health

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Physician in Pulmonary Training, Scientist (basic, translational)

**Chairs :** Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)

15:30	<b>Lung function and asthma trajectories and extrapulmonary comorbidities</b> Shyamali Dharmage (Carlton Victoria, Australia)	1940
15:45	<b>Respiratory comorbidities in Sub-Saharan Africa: a cardiologist's perspective</b> Ana Mocumbi (Maputo, Mozambique)	1941
16:00	<b>Shared developmental origins of low adult lung function and cardiovascular comorbidity</b> Seif Shaheen (London, United Kingdom)	1942
16:15	<b>Clinical and healthcare implications of COPD and multimorbidity</b> LEONARDO FABBRI (Modena, Italy)	1943
16:30	<b>Discussion and Q&amp;A</b> All Speakers	1944

## C3 Session 194 15:30 - 17:00

### Symposium: Future developments in respiratory failure

**Aims :** To describe the future developments in acute and chronic respiratory care and mechanical ventilation.

**Disease(s) :** Respiratory critical care**Method(s) :** General respiratory patient care Physiology**Tag(s) :** Clinical, Congress theme: Humans and Machines: getting the balance right**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic surgeon**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)

15:30	<b>How can we use big data and artificial intelligence to optimise and personalise treatment of respiratory failure?</b> Chin Kook Rhee (Seoul, Republic of Korea)	1945
15:45	<b>Future treatments of acute respiratory distress syndrome</b> Lieuwe D.J. Bos (Amsterdam, Netherlands)	1946
16:00	<b>Telemedicine-guided set-up of home mechanical ventilation</b> Marieke L. Duiverman (Groningen, Netherlands)	1947
16:15	<b>Remote monitoring to optimise long-term home mechanical ventilation care</b> Clara Bianquis (Saint-Prix, France)	1948
16:30	<b>Discussion and Q&amp;A</b> All Speakers	1949

**A1** Session 197 15:45 - 17:00**Oral presentation: Exercise testing: what's new in pulmonary physiology?****Disease(s) :** Airway diseases**Method(s) :** Physiology Pulmonary function testing Pulmonary rehabilitation Imaging**Chairs :** J. Alberto Neder (Kingston (ON), Canada), Mathieu Marillier (Echirolles, France)

OA1953	<b>Late Breaking Abstract - ERS technical standard: Global Lung Function Initiative reference values for lung clearance index and functional residual capacity</b> Kathryn Ramsey (Perth, Australia), Sanja Stanojevic, Luis Chavez, Noah Johnson, Cole Bowerman, Graham Hall, Philipp Latzin, Katherine O'Neill, Paul Robinson, Mirjam Stahl, Daniel Weiner, Annelies Zwitserloot, Alex Horsley
OA1954	<b>Detrimental effects of electronic cigarettes on vascular function and ventilatory efficiency during exercise</b> Azmy Faisal (Manchester, United Kingdom), Agata Giles, Sarah Jones, Olivia Louise Phillips, Jay Vadher, Rehan Junejo
OA1955	<b>Quantifying exertional symptoms throughout incremental CPET adds value to peak measurements across the range of COPD severity</b> J. Alberto Neder (Kingston (ON), Canada), Abed Hijleh, Sophia Wang, Danilo Berton, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell
OA1956	<b>Breathing pattern and ventilatory response to exercise in chronic obstructive pulmonary disease</b> Rocco Accogli (Parma, Italy), Annalisa Frizzelli, Olga Bondarenko, Panagiota Tzani, Luigino Calzetta, Roberta Pisi, Marina Aiello, Alfredo Chetta
OA1957	<b>Two measures of ventilatory efficiency from preoperative cardiopulmonary exercise testing can risk stratify patients before oesophageal cancer surgery</b> Karolina Kristenson (Linköping, Sweden), Elin Ludvigsson, Kristofer Hedman
OA1958	<b>Exercise oscillatory ventilation (EOV) as a predictor of mortality in patients with amyloid cardiomyopathy</b> Robin Willixhofer (Vienna, Austria), Nikita Ermolaev, Christina Kronberger, Lena Weyer, René Rettl, Franz Duca, Christina Binder, Andreas Kammerlander, Johannes Kastner, Jutta Bergler-Klein, J. Alberto Neder, Roza Badr-Eslam
OA1959	<b>Impact of bronchiectasis on the thoracoabdominal kinematics at rest and during exercise: a controlled cross-sectional study</b> Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Cibele Marques Da Silva, Leticia Kato, Adriana Lunardi, Marieta Cunha, Simone Dal Corso, Renato Vitorasso, Alfredo Fonseca, Rodrigo A. Athanazio
OA1960	<b>T2*-weighted oxygen-enhanced pulmonary MRI in COPD is linked to resting and exertional functional measurements.</b> Amany Elbehairy (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jørgen Vestbo, Alex Horsley

- OA1961** **Feasibility of continuous bronchoscopy during exercise in the assessment of large airway movement in healthy subjects**  
Zander J Williams (London, United Kingdom), Christopher M. Orton, Justin L. Garner, Ley T. Chan, Anand Tana, Pallav L. Shah, Michael I. Polkey, Thomas Semple, James H. Hull
- OA1962** **Automating the interpretation of cardiopulmonary exercise testing: a proof-of-concept study**  
Michaël Staes (Leuven, Belgium), Ahmed Elmahy, Dimitri Stylemans, Kenneth Verstraete, Helene Huts, Amber Beersaerts, Thierry Troosters, Maarten De Vos, Wim Janssens
- OA1963** **Discussion and Q&A**  
All Speakers

A3

Session 198

15:45 - 17:00

### Oral presentation: Clinical and translational studies of asthma and chronic obstructive pulmonary disease: novel treatment targets

**Disease(s) :** Airway diseases

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

**Tag(s) :** Translational

**Chairs :** Lena Uller (Lund, Sweden), Ian M. Adcock (London, United Kingdom)

- OA1964** **Late Breaking Abstract - FRONTIER-4: a phase 2a study to investigate tozorakimab (anti-IL-33 mAb) in COPD**  
Dave Singh (Manchester, United Kingdom), Hitesh Pandya, Patricia Guller, Fred Reid, Sarah Doffman, Lars Nordenmark, Ulla Seppälä, Ioannis Psallidas, Rachel Moate, Rebecca Smith, Joanna Kiraga, Eulalia Jimenez, Dennis Brooks, Aofie Kelly, Muhammad Waqas Sadiq, Chris Kell, Maria Belvisi
- OA1965** **Resting-state CNS networks in refractory/unexplained chronic cough**  
James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Rachel Dockry, Shane Mckie, Jenny King, Kimberley Holt, Shannon Galgani, Phil Turner, Paul Czyzyk, Joanne Mitchell, Laura Parkes, Paul Marsden, Kyle Pattinson, Jacky Smith
- OA1966** **Pan-antiviral effects of RIG-I agonist (RIG-101) against respiratory syncytial virus and human rhinovirus in nasal epithelium in vitro and mice in vivo**  
Kazuhiro Ito (London, United Kingdom), Leah Daly, Agnethe Moen, Hugo Ombredane, Ian Knowles, Jag Shur, Garth Rapeport, Susan Sobolov
- OA1967** **Targeting SOCE attenuates IL-17-driven airway inflammation in cigarette smoking-induced COPD mice**  
Zijian Zeng (CHENGDU, China), Mengxin Cheng, Yutian Zhang, Tao Wang, Fuqiang Wen, Jun Chen
- OA1968** **TSLP blocking modifies cross-talk between airway epithelium and macrophages reducing macrophage activation**  
Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Valentina Lazzara, Paola Pinto, Bernardo Patella, Rosalinda Inguanta
- OA1969** **Histological evaluation of GR and HDAC expression in endobronchial biopsies of COPD patients with known responsiveness to ICS: Insights from the HISTORIC study**  
Eleni Papakonstantinou (Freiburg, Germany), Marta Nowak, Leticia Grize, Daniel Soriano, Spasenija Savic Prince, Viktor H Koelzer, Daiana Stolz
- OA1970** **Reversing oxidative stress-induced senescence in small airway epithelial cells using the mTOR inhibitor AZD8055**  
Faye Shrosbery (Hertfordshire, United Kingdom), Werngard Czechtizky, Louise Donnelly, Peter Barnes
- OA1971** **Effect of azithromycin on epithelial antiviral immunity in patients with asthma (AZIMUNE-study)**  
Thérèse Lapperre (Édegem, Belgium), Muzhda Ghanizada, Sofia Malm Tillgren, Mandy Menzel, Louis Praeger-Jahnsen, Nihaya Mahmoud Said, Sisse Ditlev, Nanna Dyhre-Petersen, Samuel Cerps, Asger Sverrild, Celeste Porsbjerg, Lena Uller
- OA1972** **A phase 1 study of SHR-1905, a long-acting anti-TSLP monoclonal antibody, in healthy subjects and patients with asthma**  
Yang Zou (Shanghai, China), Qian Chen, Chen Yu, Lika Ye, Jun Yang, Zhi Xiang, Zhihua Shi, Min Zhang, Jianlong Wu, Xin Li, Yingqun Zhu, Lihong Wang, Nan Xu, Xing Gao, Hongda Lin, Meng Fu, Kai Sheng, Jinrui Wang, Huize Han, Xiaopeng Wang
- OA1973** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 199

15:45 - 17:00

## Oral presentation: Tuberculosis and non-tuberculous mycobacteria pulmonary diseases: challenges of diagnostics and treatment

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

Chairs : Natalie Lorent (Leuven, Belgium), Liga Kuksa (Dobele, Latvia)

- OA1974 Analyzing Clinical and Microbiological Outcomes in Multiple Drug-Resistant Tuberculosis Patients: A Comparative Analysis of Shorter versus All-Oral Longer Bedaquiline-Containing Regimens**  
Rashmi Ratnam (Lucknow, India), R A S Kushwaha, Parul Jain, Amita Jain
- 
- OA1975 Bedaquiline and delamanid resistance in high tuberculosis burden country**  
Nelly Ciobanu (Chisinau, Republic of Moldova), Doina Rusu, Alexandru Codreanu, Nadejda Turcanu, Dumitru Chesov, Anna Donica, Valeriu Crudu
- 
- OA1976 Cough bio-aerosol sampling for TB GeneXpert through a repurposed tobacco Water Pipe Filter in pulmonary tuberculosis: a diagnostic accuracy study**  
Gabrielle Len Antonio (CEBU CITY (CAPITAL), Philippines), Wilmer Ciprian Bagol
- 
- OA1977 Mycobacterium tuberculosis growth control by peripheral blood mononuclear cells from household contacts is not affected by recent SARS-CoV-2 infection**  
Jane Shaw (Cape Town (Cape), South Africa), Caleb Petersen, Andriette Hiemstra, Gerhard Walzl, Stephanus Malherbe, Nelita Du Plessis
- 
- OA1978 Performance of Surface-enhanced Raman Spectroscopy in Biopsy Tissue for Rapid Diagnosis of Tracheobronchial Tuberculosis: A Prospective Study**  
Mingming Deng (Beijing, China), Gang Hou, Qin Zhang
- 
- OA1979 How to diagnose TB in migrants? A systematic review of reviews and decision tree analytical modelling exercise to evaluate properties for single and combined TB screening tests.**  
Dominik Zenner (London, United Kingdom), Hassan Haghparast-Bidgoli, Tahreem Chaudhry, Ibrahim Abubakar, Frank Cobelens
- 
- OA1980 In vitro synergistic effects of omadacycline with other antimicrobial agents against Mycobacterium abscessus**  
Keiji Fujiwara (tokyo, Japan), Akio Aono, Takahiro Asami, Keisuke Kamada, Kozo Morimoto, Satoshi Mitarai
- 
- OA1981 Predictive risk factors of treatment-refractory Mycobacterium avium complex lung disease**  
Takahiko Saito (Hamamatsu, Japan), Yuya Aono, Masato Kono, Takuma Sugiura, Misato Higasa, Mineo Katsumata, Hideki Miwa, Yoshihiro Miki, Dai Hashimoto
- 
- OA1982 Safety and efficacy of clofazimine are correlated with its serum concentration: Findings of a prospective observational study for pulmonary nontuberculous mycobacterial disease**  
Fumiya Watanabe (Tokyo, Japan), Keiji Fujiwara, Koji Furuuchi, Masashi Ito, Kazuhiko Hanada, Tatsuya Kodama, Akio Aono, Satoshi Mitarai, Kozo Morimoto
- 
- OA1983 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 200

15:45 - 17:00

## Oral presentation: Advancements in paediatric infectious respiratory health

Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Nadine Freitag (Krefeld, Germany)

- OA1984 Late Breaking Abstract - Recessively inherited deficiency of secreted WFDC2 (HE4) causes nasal polyposis and bronchiectasis**  
Heymut Omran (Münster, Germany), Gerard Dougherty, Lawrence E Ostrowski, Tabea Nöthe-Menchen, Johanna Raidt, Andre Schramm, Heike Olbrich, Weining Yin, Patrick R Sears, Hong Dang, Amanda J Smith, Achim G Beule, Rim Hjeij, Niels Rutjes, Eric G Haarman, Saskia M Maas, Thomas W Ferkol, Peadar G Noone, Kenneth N Olivier, Diana C Bracht, Pascal Barbry, Laure-Emmanuelle Zaragosi, Morgane Fierville, Sabine Kliesch, Kai Wohlgemuth, Julia König, Sebastian George, Niki T Loges, Agathe Ceppe, Matthew R Markovetz, Hong Luo, Ting Guo, Hoda Rizk, Tarek Eldesoky, Katrin Dahlke, Karsten Boldt, Marius Ueffing, David B Hill, Yuan-Ping Pang, Michael R Knowles, Maimoona A Zariwala



OA1985	<b>A randomised controlled trial of hypertonic saline nose drops as a treatment in children with the common cold (ELVIS-Kids trial)</b>
	Steve Cunningham (Edinburgh (Scotland), United Kingdom), Emily Evans, Catriona Graham, Phillip Rayson, Katherine Oatey, Clare Webster, Carol Dryden, Lana O'Hara, Steve Turner, Marianne Cunningham, Ahlam Darasi, Alastair Scott, Andrew Stoddart, Aziz Sheikh, Sandeep Ramalingam
OA1986	<b>Creating Child-BEAR-Net's international paediatric bronchiectasis registry: an ERS CRC initiative</b> Laura Garriga Grimau (Barcelona, Spain), Laura Petrarca, Jeanette Boyd, Kostas Douros, Dafni Moriki, Elpiniki Kartsioni, Bulent Karadag, Ela Erdem Eralp, Oleksandr Mazulov, Fabio Midulla, Keith Grimwood, Zena Powell, Antonio Moreno Galdo, Eva Polverino, Anne B Chang, Ahmad Kantar*, Stephanie T Yerkovich* (*co-Senior) On Behalf Of Child-Bear-Net Panel And Registry Group
OA1987	<b>Paediatric Bronchiectasis, a UK-wide cohort study</b> Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Priti Kenia, Manjith Narayanan, Siobhan Carr
OA1988	<b>Characteristics of airway cilia motility and ultrastructure linked to heterotaxy but not associated with primary ciliary dyskinesia</b> Laura Venditto (Verona, Italy), Mathieu Bottier, Ranjit Rai, Rhiannon Mclellan, Georgina Bailey, Amelia Shoemark, Claire Hogg, Thomas Burgoyne
OA1989	<b>Consensus definition of sinonasal and otologic exacerbation in patients with primary ciliary dyskinesia</b> Myrofora Goutaki (Bern, Switzerland), Yin Ting Lam, Andreas Anagiotos, Miguel Armengot, Andrea Burgess, Raewyn Campbell, Mathilde Carlier, Natalie Caversaccio, Neil K. Chadha, Berat Demir, Sinan Ahmed D. Dheyauldeen, Onder Gunaydin, Amanda Harris, Isolde Hayn, Deniz Inal-Ince, Eric Levi, Trini Lopez Fernandez, Jane S Lucas, Bernard Maitre, Anne-Lise Ml Poirrier, Lynne Schofield, Kazuhiko Takeuchi, Christine Van Gogh, Nikolaus E. Wolter, Jean-François Papon
OA1990	<b>Medical clown intervention shortens length of hospitalization in children with community acquired pneumonia.</b> Karin Yaacoby-Bianu (Haifa, Israel), Lana Khoury, Irit Shwartz, Meital Paz Tzruia, Shereen Shehadeh, Noam Meiri, Galit Livnat
OA1991	<b>The impact of higher-valency pneumococcal conjugate vaccine use on pediatric parapneumonic pleural effusion/empyema in Belgium.</b> Eline Lambert (Herent, Belgium), Marijke Proesmans, Stefanie Desmet
OA1992	<b>Fever Duration Enhances Biomarker Sensitivity for Diagnosing Pediatric community acquired pneumonia</b> Ori Goldberg (Rehovot, Israel), Einat Shmueli, Yoel Levinsky, Yoav Vardi, Noga Yaniv, Ophir Bar-On, Hagit Levine, Meir Mei Zahav, Dario Prais, Patrick Stafler
OA1993	<b>Improvement of post-infectious bronchiolitis obliterans in children after methylprednisolone pulse therapy.</b> Bianca Dontje (Amsterdam, Netherlands), N.W. Rutjes, E.G. Haarman, V. Land,van,der, C.L.H Brackel, M. Romijn, S. Hashimoto, J Schuppen,van, E.A.B. Buijs, S.W.J. Terheggen - Lagro
OA1994	<b>Discussion and Q&amp;A</b> All Speakers

## Strauss 2

## Session 201

15:45 - 17:00

## Oral presentation: Modelling external influences on lung health and disease susceptibility

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Cell and molecular biology Physiology Pulmonary function testing

Tag(s) : Translational

Chairs : Sophie Lanone (Creteil, France), Anne M. van der Does (Leiden, Netherlands)

OA1995	<b>Late Breaking Abstract - Transkingdom circadian orchestration of host and airway microbiota in chronic pulmonary inflammation</b> Wei Xiao (Chengdu, China), Yan Yu, Juan-Juan Fu, Ti-Wei Miao, Mei-Lu Liu, Bing Mao
OA1996	<b>An adipo-pulmonary axis mediated by FABP4 hormone defines a target against obesity-induced airway disease</b> Mehmet Furkan Burak (Boston, United States), Gurol Tuncman, Ayse Ayci, Kashish Chetal, Elliot Israel, Ruslan Sadreyev, Gökhan S Hotamışlıgil
OA1997	<b>LSC - 2024 - Delayed airway epithelial repair is correlated with airway obstruction in young adults born very preterm.</b> Denby Evans (Nedlands, Australia), Elizabeth Smith, Naomi Hemy, James Gibbons, Andrew Wilson, Anthony Kicic, Shannon Simpson

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- OA1998 Sexually dimorphic effect of chronic alcohol drinking on dysregulating lung immunity by altering immunometabolism in human and mouse**  
Lenny Pommerolle (Rockville, United States), Muhammad Arif, Madeline Behee, Abhishek Basu, Resat Cinar
- 
- OA1999 Maternal cigarette smoke exposure in mice induces a Th2-biased immune response in offspring**  
Ali Dehghani (Utrecht, Netherlands), Jeroen Van Bergenhenegouwen, Johan Garssen, Gert Folkerts, Saskia Braber
- 
- OA2000 Sophisticated human airway in vitro models to investigate cell-cell interactions in acute and chronic diseases**  
Anja Lena Thiebes (Aachen, Germany), Julian Gonzalez Rubio, Hannah Kubiza, Felix Wehrmann, Maria Cheremkhina, Anja E. Luengen, Christian G. Cornelissen
- 
- OA2001 The impact of hormone replacement therapy during perimenopause on lung function and inflammation in mice**  
Laurie Ellerman (Tucson, United States), William Pederson, John Konhilas, Julie Ledford
- 
- OA2002 Temperature-driven Modulation of Airway Epithelial Cell Composition and Host Responses: Implications for Chronic Obstructive Pulmonary Disease (COPD)**  
Anne M. van der Does (Leiden, Netherlands), Lars A. Wessels, Dennis K. Ninaber, Melissa Thaler, Ying Wang, Martijn J. Van Hemert, Janna C. Nawroth, Pieter S. Hiemstra, Alen Faiz
- 
- OA2003 Advanced in vitro models for pneumonia research**  
Karen Hoffmann (, Germany), Cengiz Gökeri, Benedikt Obermayer-Wasserscheid, Andreas Hocke, Mirjana Kessler, Christian Zobel, Martin Witzentrath, Geraldine Nouailles
- 
- OA2004 Potential role of Let-7 family microRNAs in sex disparity in asthma**  
Carina Malmhäll (Göteborg, Sweden), Jenny Calvén, Julie Weidner, Kristina Johansson, Patricia Ramos-Ramirez, Emma Boberg, Linda Ekerljung, Roxana Mincheva, Bright Nwaru, Hannu Kankaanranta, Henric Olsson, Christopher McCrae, Madeleine Rädinger
- 
- OA2005 Discussion and Q&A**  
All Speakers
-

**Stolz 1** Session 217 08:00 - 10:20**Skills workshop: SW7 SW7 - Interpretation of cardiopulmonary exercise tests - €**

Additional registration is required for this session.

**Aims :** Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing - To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing, and to develop new skills and expertise to discriminate these from anomalous response profiles, which can cause misinterpretation of test results; to develop skills to correctly assess breathlessness and dynamic hyperinflation.

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

**Method(s) :** Physiology Pulmonary function testing Pulmonary rehabilitation

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** J. Alberto Neder (Kingston (ON), Canada)

08:00	<b>Assessing breathlessness</b> Hayley Lewthwaite (Merewether, Australia)	2076
08:00	<b>Breathing pattern and dynamic hyperinflation interpretation</b> James H. Hull (London, United Kingdom)	2077
08:00	<b>Ventilatory efficiency and gas exchange</b> J. Alberto Neder (Kingston (ON), Canada)	2078
08:00	<b>Dynamic hyperinflation and other respiratory measurements: live demonstration</b> William Stringer (Long Beach, United States), Mathieu Marillier (Echirolles, France)	2079

**Stolz 2** Session 218 08:00 - 10:20**Skills workshop: SW10 SW10 - Practicalities of spirometry and whole-body plethysmography - €**

Additional registration is required for this session.

**Aims :** To develop the technical expertise needed to perform spirometry and whole-body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to explain the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole-body plethysmography; to describe 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

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist

**Chairs :** Rachel Ong-Salvador (Amsterdam, Netherlands)

08:00	<b>Performing spirometry</b> Vicky Moore (Coventry, United Kingdom)	2080
08:00	<b>Standardised static lung volume measurement using whole-body plethysmography</b> Aisling McGowan (Dublin 15, Ireland)	2081
08:00	<b>Measurement of airway resistance and resistance volume loops using whole-body plethysmography</b> Mart N. van der Plas (Monster, Netherlands)	2082
08:00	<b>Reporting and interpretation of case studies</b> Gregory King (Sydney (NSW), Australia)	2083

**PS-1** Session 221 08:00 - 09:30**Poster session: Clinical problems in pleural diseases and respiratory medicine**

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

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

**Chairs :** Margarida Afonso (Coimbra, Portugal), Giuseppe Adamo (PALERMO, Italy)

PA2089	<b>Pneumomediastinum- a single centre case series from 2010-2020</b> Kirk Ramharack (Newcastle, United Kingdom), James Hyman, Avinash Aujayeb
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- PA2090 Clinical utility of pleural N-terminal-proB-type natriuretic peptide (NTproBNP) to distinguish heart failure related pleural effusions from effusions of other causes**  
Christopher Chan (Kowloon, Hong Kong), Ka Pang Chan, Wai Kei Jacky Lam, Kevin Ka Ho Kam, Guangming Tan, Mark Tsz Kin Tam, Terry Cheuk Fung Yip, Grace Lai Hung Wong, Kai Ming Chow, Ying Ying Sze, Kwun Cheung Ling, Wai Keung Wong, Jeffrey Ka Tak Wong, Joyce Ka Ching Ng, Rachel Lai Ping Lo, Tommy Wing Ho Yip, Jenny Chun Li Ngai, Stephanie Wing Tone Ho, Kin Wang To, Fanny Wai San Ko, David Shu Cheong Hui
- 
- PA2091 Five-Year Durability of Zephyr Valves in Patients with Severe Emphysema**  
Gerard J. Criner (Philadelphia, United States), Richard Sue, Momen Wahidi, Hugo De Oliveira, Pallav Shah, Mark Vollenweider, Narinder Shargill, Karin Klooster, Dirk-Jan Slebos
- 
- PA2092 Updated Prevalence of Lymphangiomyomatosis in Northern Europe**  
Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Sarah Forde, Alessandro N. Franciosi, Elisabeth Bendstrup, Marcel Veltkamp, Anne Wind, Coline Van Moorsel, Thomas Kromann Lund, Michael Thomas Durheim, Marissa O'Callaghan, Amina Jouida, Adriane Vorselaars, Michael Perch, Evelien Peeters, Michael Keane, Cormac Mccarthy
- 
- PA2093 Spontaneous Pneumomediastinum: A Single-Centre Study**  
Amro Abu Suleiman (Hull, United Kingdom), Rohan Menon, Almahanad Aljulandani, Shoab Faruqi
- 
- PA2094 Pneumothorax essentials: insights into causes and care**  
Harshita Mishra (MUMBAI, India), Rosna Thomas, Tanay Sinha, Jairaj Nair, Mayank Tiwari, Snehal Kawade
- 
- PA2095 Sarcopenia Prevalence and Predictors in Non-malignant Chronic Respiratory Disease Patients: A Prospective, Multicenter Cohort Study**  
Pin-Kuei Fu (Taichung, Taiwan), Pai-Chien Chou, Yu-Chi Tung
- 
- PA2096 Clinical and evolutionary characteristics of first-episode recurrence of primary spontaneous pneumothorax**  
Sara Madkour (Casablanca, Morocco), Nahid Zaghba, Khadija Chaanoun, Hanaa Harraz, Hanane Benjelloun, Najiba Yassine
- 
- PA2097 Pulmonary artery sling as a rare cause of dyspnoea of unknown origin**  
Kateryna Khromykh (Vinnytsia, Ukraine), Veronika Dudnyk, Olha Zborovska, Oleksandr Teterin
- 
- PA2098 An observational approach to haemothoraces- A single centre review**  
Kirk Ramharack (Newcastle, United Kingdom), Thomas Roberts, Avinash Aujayeb
- 
- PA2099 Cryoballoon use for cryoablation in benign tracheal stenosis**  
Caleb Taylor (San Diego, United States), Niral Patel, Keriann Van Nostrand, Jorge Munoz Pineda, George Cheng, Russell Miller
- 
- PA2100 Validity and reliability of objective structured assessment of technical skills tool for Ultrasound-guided arterial puncturing**  
Amal Alsomali (khobar, Saudi Arabia), Raghad Alhji, Maisa Alshammrani, Aisha Alhamed, Abeer Alqahtani, Jithin K Sree, Zechariah Arulanantham
- 
- PA2101 Evaluation of novel respiratory sensor in neonatal respiratory monitoring**  
Hannah Vennard (Glasgow, United Kingdom), Jennifer Miller, Catriona Cowan, Osian Meredith, Neil Patel, Philip Davies, Ross Langley
- 
- PA2102 Chemical pleurodesis with betadine, easy, inexpensive and well tolerated in cases of pneumothorax and metastatic pleural effusions**  
Samia Aissani (Algiers, Algeria), Ryma Oufella, Fatma Tahir, Amina Bouaoud, Fatiha Barr, Ali Zitouni
- 
- PA2103 Application and evaluation of high-throughput sequencing in children with pleural effusion-related diseases**  
Yingshuo Wang (Hangzhou, China), Zhufei Xu
- 
- PA2104 Reducing pleural fluid mischaracterization – Using demographics to improve Light's criteria.**  
Zohaib Yousaf (West Reading, United States), Muhammad Sohaib Asghar, Maya Omran, Adeel Khan, Fateen Ata, Suresh Arachchige, Khalil El Annan, Anthony Donato
- 
- PA2105 Thoracic involvement during Behçet's disease: about 32 cases**  
khadija miftah (CASABLANCA, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine
- 
- PA2106 Association between advanced lung cancer inflammation index and unstable asthma: A population-based study**  
Zhou Jin (Beijing, China)

**PA2107 Likelihood Ratios of Cough Syncope and Malacic Cough for Large Airways Collapse A Rashed, E Bartlett, DC Watchorn Lung Division, Royal Brompton Hospital, London (United Kingdom)**  
Adam Rashed (Worthing, United Kingdom), David Watchorn, Emily Bartlett

**PA2108 Factors Affecting Immunoreactive Trypsinogen Levels in Cystic Fibrosis Newborn Screening**  
Ayse Tana Aslan (Ankara, Turkey), Handan Kekeç, Tuğba Şişmanlar Eyüboğlu, Volkan Medeni, Bahar Çuhacı Çakır

PS-10

Session 222

08:00 - 09:30

**Poster session: Inhaler devices: environmental impact, technique and adherence**

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

**Method(s) :** General respiratory patient care Epidemiology Public health Pulmonary function testing Imaging Physiology

**Tag(s) :** Clinical

**Chairs :** Monbi Stefanova Chakma (London, United Kingdom), Mikael Adner (Stockholm, Sweden)

**PA2109 Patient satisfaction and sensory attributes of Mometasone Furoate delivered by a novel nasal spray device: an observational, real-world study**  
Alessandra Sorano (Firenze, Italy), Chiara Allegrini, Francesca Buttini, Federico Lavorini

**PA2110 Effect of Flow Rate on Emitted Fine Particle Mass (FPM) from a Dry Powder Inhaler (DPI) and a Metered Dose Inhaler (MDI) with Spacer Delivering Salbutamol.**  
Mark Nagel (London (ON), Canada), Jason Suggett, Rubina Ali, Cathy Doyle

**PA2111 Breathing parameters of COPD patients through two dry powder inhalers**  
Izolda Réti (Budapest, Hungary), Botond Havadtóti, Norbert Ilyés, Árpád Farkas, Alpár Horváth, János Tamás Varga, Péter Czaun, Gabriella Gálffy

**PA2112 Inhalation through two mini-spacer-like inhaler technique training devices: An in-vitro aerosol delivery comparative study**  
Wesam Ammari (Amman, Jordan), Dunya Oda

**PA2113 The impact of actuation and inhalation coordination of pMDI on lung deposition via FRI**  
Navid Monshi Tousi (kontich, Belgium), Hosein Sadafi, Wendel Dierckx, Wilfried De Backer, Jan De Backer

**PA2114 Effect of flow rate on coarse particle mass (CPM) from a dry powder inhaler (DPI) and a metered dose inhaler (MDI) / spacer delivering salbutamol**  
Jason Suggett (London (ON), Canada), Rob Costa, Mark Nagel

**PA2115 Peak inspiratory flow via Easyhaler dry powder inhaler in adults before methacholine challenge test and during bronchoconstriction**  
Ville Vartiainen (Järvenpää, Finland), Antti Tikkakoski, Jussi Karjalainen, Pekka L. Malmberg, Liisa Vuotari, Satu Lähelmä, Ulla Sairanen, Mikko Vahteristo, Lauri Lehtimäki

**PA2116 Single-inhaler triple therapy improves small airway dysfunction in moderate to severe asthma.**  
Yumi Fujita (Shizuoka, Japan), Toshihiro Shirai, Taisuke Akamatsu, Shogo Sakurai

**PA2117 Effect of peak inspiratory flow rate guided inhaler device selection on the number of COPD exacerbation in the 90 days after discharge**  
Hasan Demir (İzmir, Turkey), Yelda Varol, Ali Kadri Çırak

**PA2118 Initiation of single- and multiple-inhaler triple therapy for COPD and adoption of budesonide/glycopyrrolate/formoterol (BGF): insights from primary care in England - the AURA UK study**  
Scott Dickinson (Watford, United Kingdom), Thapas Nagarajan, Ruiqi Zhang, Michael Pollack, Shruti Menon

**PA2119 Lack of participant diversity in COPD maintenance inhaler clinical trials**  
Catherine buchan (Melbourne, Australia), Harrison Birch, Amy Pascoe, Amy McCormick, Jonathan Tran, Zac Irwin, Meghan Owens-Reed, Natasha Smallwood

**PA2120 Initiation of single- and multiple-inhaler triple therapy for COPD and adoption of budesonide/glycopyrrolate/formoterol (BGF): pooled analysis from the AURA Germany study**  
Kathrin Kahnert (München, Germany), Marija Halbach, Mohammed Dagher, Axel Krinner, Elena Garal-Pantaler, Hana Mullerova, Michael Pollack

**PA2121 Improvement in lung function after six months of treatment with extrafine formulation single-inhaler triple therapy (efSITT) in patients with asthma-TriMaximize Study**  
Christian Gessner (Leipzig, Germany), Valentina Bogoevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Carl-Peter Criée, Frederik Trinkmann



- PA2123 Inhalation profiles of asthma patients inhaling a pressurized metered dose inhaler**  
Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Erik Franck, Hosein Sadafi, Navid Monshi Tousi, Jan De Backer, Wilfried De Backer
- PA2124 Is single-inhaler triple therapy cost-effective versus multiple-inhaler triple therapy for COPD in Germany? The INTREPID trial**  
Stephen G Noorduynd (Mississauga, Canada), Kai-Michael Beeh, Dhvani Shah, Alan Martin, Robyn Kendall, Priyadarsini Dasari, Afisi S Ismaila, Jing Claussen
- PA2125 Preventer inhaler and rescue medication prescribing following a national formulary change**  
Alexander Rabin (Ann Arbor, United States), Sarah Seelye, Julien Weinstein, Cainnear Hogan, Hallie Prescott
- PA2126 Non-inferior relief of bronchoconstriction with salbutamol via Easyhaler dry powder inhaler compared to pressurised metered dose inhaler with spacer**  
Jussi Karjalainen (Kangasala, Finland), Ville Vartiainen, Antti Tikkakoski, Pekka L. Malmberg, Liisa Vuotari, Satu Lähelmä, Ulla Sairanen, Mikko Vahteristo, Lauri Lehtimäki
- PA2127 Rate of critical errors in inhaler device use in COPD and associated factors with poor inhaler technique: a multicenter study**  
Elif Selçuk (Ankara, Turkey), Elif Şen, Ahmet Melih Şahin, Aylin Ozgen Alpaydın, Salih Yiğit, Sibel Naycı, Eylem Sercan Özgür, Elif Selçuk, Oya Baydar Toprak, Nurdan Köktürk, Ayşen Mammadova, Ayşe Baha, Mehmet Polatlı, Aybüke Yaz, Funda Elmas, Alev Gürgün, İpek Candemir, Yelda Varol, Ali Kocabaş
- PA2128 Single inhaler extra fine triple therapy versus open triple therapy in COPD: TRIPOLI observational study**  
Javier López (Málaga, Spain), Daniel Vega, Mercedes Segura, Esther Sánchez, Eva Cabrera, José Luis Velasco

PS-11

Session 223

08:00 - 09:30

## Poster session: New insights in chronic cough

Disease(s) : **Airway diseases**

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

Chairs : Vladimir Koblizek (Hradec Králové, Czech Republic), Federico Lavorini (Firenze (FI), Italy)

- PA2129 Predictors of cough in chronic lung disease**  
Barnaby Hiron (London, United Kingdom), Katie Rhatigan, Harini Kesavan, Richard Turner, James H Hull, Patricia Macedo, Katherine J Myall, Caroline J Jolley, Surinder S Birring, Peter S P Cho
- PA2130 Characteristics of chronic cough patients across Europe: A descriptive analysis from the ERS NeuroCOUGH CRC Registry**  
Peter Cho (, United Kingdom), Surinder S Birring, Surinder S Birring, Ajit Narayanan, Cliona McDowell, Tony Brown, James H Hull, Jacky A Smith, Jacky A Smith, Laurent Guilleminault, Laurent Guilleminault, Peter Kardos, Jan Willem K Van Den Berg, Christian Domingo, Christian Domingo, Sean M Parker, Marta Dąbrowska, Alyn H Morice, Lieven J A Dupont, Lorcan Mcgarvey, . On Behalf Of Neurocough Investigators
- PA2131 Assessment of chronic cough with numerical rating scale**  
Katie Rhatigan (Denmark Hill, United Kingdom), Barnaby Hiron, Harini Kesavan, Katherine J Myall, Grace Lavelle, Richard Turner, Caroline J Jolley, James Hull, Surinder S Birring, Peter S P Cho
- PA2132 Cough triggers in chronic lung disease**  
Barnaby Hiron (London, United Kingdom), Katie Rhatigan, Harini Kesavan, Richard Turner, James H Hull, Patricia Macedo, Katherine J Myall, Caroline J Jolley, Surinder S Birring, Peter S P Cho
- PA2133 Safety of ATP inhalation in healthy volunteers**  
Jenny King (Manchester (Greater Manchester), United Kingdom), James Wingfield-Digby, Rachel Dockry, Joanne Mitchell, Kimberley Holt, Shannon Galgani, Paul Marsden, Stephen Fowler, Jaclyn Smith
- PA2134 Sputum induction in patients with chronic cough**  
Elżbieta Magdalena Grabczak (Warszawa, Poland), Marta Dąbrowska, Katarzyna Białek-Gosk, Patrycja Nejman-Gryz, Paulina Misiukiewicz-Stępień, Magdalena Paplińska-Goryca, Rafał Krenke
- PA2135 Feasibility study of a novel questionnaire to phenotype cough patterns and the associated perceived severity**  
Caroline Wright (South Cave, United Kingdom), Rachel Thompson, Kayleigh Brindle, Alyn Morice
- PA2136 Development of the McMaster Cough Severity Questionnaire (MCSQ) for patients with chronic cough**  
Elena Kum (Hamilton, Canada), Gordon Guyatt, Rayid Abdulqawi, Peter Dicpinigaitis, Lieven Dupont, Stephen Field, Cynthia French, Peter Gibson, Richard Irwin, Paul Marsden, Lorcan Mcgarvey, Jaclyn Smith, Woo-Jung Song, Daiana Stolz, Janwillem Kocks, Paul O'Byrne, Imran Satia

- PA2137** **Severity grading of the Leicester Cough Questionnaire in chronic cough**  
Heikki Koskela (Kuopio, Finland), Johanna Kaulamo, Anne Lätti
- 
- PA2138** **Development of claims and EHR-based algorithm for refractory chronic cough: CLear-CC**  
Elizabeth P. Skinner (Durham, United States), Rafael Alfonso-Cristancho, Kieran J. Rothnie, Sarah Bandy, Richard H. Stanford
- 
- PA2139** **Is there a relationship between real-time continuous cough monitoring and subjective cough assessment?**  
Dominic Sykes (Hull, United Kingdom), Rohan Menon, Kayleigh Brindle, Jennifer Nielsen, Lola Jover, Peter Small, Matthew Rudd, Simon P Hart, Alyn H Morice, Michael G Crooks
- 
- PA2140** **Chronic cough and laryngeal and neurological disease: a multidisciplinary evaluation experience.**  
Marina Paredes Lopez (Barcelona, Spain), Alberto García De La Fuente, Aida Alejaldre Monforte, Mónica Egea Palma, Ada Cabero Roset, Eduardo Lehrer Coriat, Ebymar Arismendi
- 
- PA2141** **Response to Gefapixant in the Cough Clinic: A Real-world Study**  
Kayleigh Brindle (Cottingham, United Kingdom), Dominic Sykes, Louise Gregory, Jennifer Nielsen, Alyn Morice
- 
- PA2142** **Cough-aggravating factors in major pulmonary diseases**  
Taisuke Akamatsu (Shizuoka, Japan), Yutaro Kishimoto, Shogo Sakurai, Toshihiro Shirai
- 
- PA2143** **Airway mucus plugs in chronic cough- preliminary study.**  
Olga Truba (Warszawa, Poland), Joanna Żuchowska, Marta Dąbrowska
- 
- PA2144** **Electronic cough recording: How to better reflect the patient experience?**  
Alyn Morice (Cottingham, United Kingdom), Kayleigh Brindle, Steve Pawsey, Syed Kazmi
- 
- PA2145** **Depleted airway nerves in patients with chronic cough due to RFC1-disorder**  
Barnaby Hirons (London, United Kingdom), Chadwick Smith, Peter S P Cho, Richard Turner, William McNulty, Caroline J Jolley, James H Hull, Katie Rhatigan, Jordi Serra, Robert Hadden, Andrea Cortese, Mathew Drake, Surinder S Birring
- 
- PA2146** **Diagnostic yield of flexible bronchoscopy and bronchoalveolar lavage in children with chronic cough.**  
Fiona Kritzinger (Toronto, Canada), Lyzette Garcia, Lisa Avery
- 
- PA2147** **The Sensations and Triggers of Coughing in Refractory/Uexplained Chronic Cough**  
Jenny King (Manchester (Greater Manchester), United Kingdom), James Wingfield-Digby, Shannon Galgani, Nadia Rashid, Rachel Dockry, Kimberley Holt, Joanne Mitchell, Liberty Vasquez, Sean Parker, Kathryn Prior, Jaclyn Smith, Paul Marsden
- 
- PA2148** **A Comprehensive Survey of Chronic Cough Management Among Healthcare Professionals in Southern Italy**  
Silvano Dragonieri (Bari (BA), Italy), Alessio Marinelli, Leonardo Maselli, Enrico Buonamico, Alessandro Palumbo, Fabrizio Diaferia, Alessandro Capuano, Giovanna Elisiana Carpanano

PS-12

Session 224

08:00 - 09:30

## Poster session: Physical activity and quality of life in chronic respiratory disease

Disease(s) : Pulmonary vascular diseases Airway diseases

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

Tag(s) : Clinical

Chairs : Enrico M. Clini (Modena (MO), Italy), Pavol Pobeha (Košice, Slovakia)

- PA2149** **European physician perspectives on multimorbidity in severe asthma: findings from SHARP CRC**  
Saša Rink (Ljubljana, Slovenia), Anna Freeman, Aruna T. Bansal, Apostolos Bossios, Betty Frankemölle, Florence Schleich, Jacob K. Sont, Mehar Singh, Krisitina Bieksiene, Arnaud Bourdin, Georgio Walter Canonica, Zsuzsanna Csoma, Bilun Gemicioglu, Ineta Grisle, Sanja Grle Popović, Sanja Hromiš, Stephanie Korn, Piotr Kuna, Claudia Loureiro, Florin Mihălțan, Celeste Porsbjerg, David Ramos-Barbon, Louis Renaud, Svetlana Sergejeva, Anneke Ten Brinke, Valentyna Yasinska, Eleftherios Zervas, Sabina Škrkat, Ramesh Kurukulaaratchy
- 
- PA2150** **Physical activity in adult patients with asthma: trends over time (2014-2020)**  
Zichen Ji (Madrid, Spain), Javier De Miguel-Diez, Ana López-De-Andrés, José Javier Zamorano-León, Francisco José Caballero-Segura, Stephany Ivonne Briones-Alvarado, Juan Pablo Utrilla-Marchand, Rodrigo Jiménez-García
- 
- PA2151** **Exploring the journey of people with COPD to identify how COPD diagnosis is impacting and shaping the day-to-day real-life experiences.**  
Kamila Abutaliev (Sydney, Australia), Sinthia Bosnic-Anticevich, Lars Dijk, Katherine Borg, Renate Kat, Bandana Saini, Lynn Cheong, Biljana Cvetkovski
- 
- PA2152** **Comparing the PUMA and CAPTURE questionnaires for screening for COPD in resource constrained settings**  
Lancelot Pinto (Mumbai, India), Soumya Kanti Ghatak, Sanjitha Muneeswaran, Payal Singh, Trupti Mane

- PA2153** **Choosing the Right Test: Five Sit-to-Stand vs. Four-Meter Gait Speed for Identifying COPD Patients**  
Khouloud Kchaou (Ariana, Tunisia), Sirine Jamli, Nadia Ben Lazreg, Chaima Briki, Saloua Ben Khamsa Jameleddine
- 
- PA2154** **Exploring the relationship between patient-reported outcomes and early lung involvement in rheumatoid arthritis: A prospective study**  
Alexandra Nagy (Budapest, Hungary), Nóra Melinda Tóth, Tamás Nagy, Kinga Fritsch, Nikolett Marton, Krisztina Vincze, Noémi Eszes, Péter Horváth, Gábor Horváth, Anikó Bohács, György Nagy, Pál Maurovich-Horvat, Veronika Müller
- 
- PA2155** **The Impact of Mediterranean Diet on Survival in Chronic Obstructive Pulmonary Disease**  
Jiun-Long Wang (Taichung, Taiwan), Yi-Ting Tsai, Chia-Lin Lee
- 
- PA2156** **Physical activity and diet in mild-to-severe asthmatics: a cluster analysis**  
Elisa Riccardi (Massino Visconti, Italy), Alice Brillo, Mattia Brusamento, Vitina Carriero, Francesca Bertolini, Giuseppe Guida, Rossana Bellezza Fontana, Rodolfo Riva, Fabio Luigi Massimo Ricciardolo
- 
- PA2157** **E-Nose based Analysis of Exhaled VOCs Spectrum Reveals Asthmatic Shifts and Consistency in Controls Post-Exercise and Spirometry**  
Silvano Dragonieri (Bari (BA), Italy), Marcin Di Marco, Madiha Ahroud, Vitaliano Nicola Quaranta, Ilaria Iorillo, Francesca Montagnolo, Maria Francesca Grimaldi, Agnese Caringella, Giovanna Elisiana Carpagnano
- 
- PA2158** **Gut metabolic profile and its clinical correlation in different stages of COPD**  
Yan Yu (Beijing, China), Yu Xie, Yukun He, Yali Zheng, Zhancheng Gao
- 
- PA2159** **Relationship between the Severe Asthma Questionnaire and the EQ-5D-5L for health-related quality of life in the SHARP CRC registry**  
Fleur L. Meulmeester (Leiden, Netherlands), Joseph Lanario, Matthew Masoli, Simon Doe, Kathleen Bayani, Dawn Redwood, Tania Wainwright, Jo Tilley, Anneke Ten Brinke, Lianne Ten Have, Kristina Bieksiene, Jolita Palacionyte, Cláudia Loureiro, Maria Gonçalves Cunha, Pedro Nogueira Costa, Inês Farinha, Sanja Hromis, Barbro Dahlén, Valentyna Yasinska, Oksana Tenzelius, Sabina Skrgat, Mariana Paula-Rezelj, Peter Kopač, Ana Žaže Bertonce, Dominique Hamerlynck, M. Elske Van Den Akker-Van Marle, Jacob K. Sont
- 
- PA2160** **Exploring the Relationship between Physical Frailty, Diaphragm Muscle Function, and Chronic Obstructive Pulmonary Disease Severity**  
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euch, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri
- 
- PA2161** **Usefulness of PUMA and CAPTURE questionnaires as case-finding tools of COPD in a L-MIC**  
Arturo Cortes-Telles (Merida (Yucatan), Mexico), Jose Ismael Juarez-De Dios, Esperanza Figueroa-Hurtado, Jonathan Alvarez-Pinto, Ernesto Prado-Mercado, Enrique Eduardo Olaya-Lopez, Yuri Noemi Pou-Aguilar, Diana Lizbeth Ortiz-Farias
- 
- PA2162** **Exploration of specific domains within the COPD assessment test (CAT)**  
Paul Jones (London, United Kingdom), Jingge Qu, Hongling Chu, Zhen Huang, Ying Liang, Xiao Hu, Yongchang Sun, Tao Ye
- 
- PA2163** **EXERCISE TOLERANCE IN POST-SARS-COV-2 PATIENTS WITH ISCHEMIC CARDIOPATHY**  
Jose Antonio Sanchez Paredes (ciudad de mexico, Mexico), Arturo Orea Tejeda, Dulce González Islas, Susana Galicia Amor, Juan Carlos García Hernández, Esperanza Trejo Mellado, Ariel García Hernández, Celemi Vigil López, Andrea Zurita Sandoval, Laura Arcos Pacheco, Emilio Gutiérrez Luna, Tomas Peña Espinosa, Frida Albarran López, Arantza Aguirre Mitchell
- 
- PA2164** **GOLD classification pitfalls: beyond mMRC and CAT?**  
Alessandro Capuano (Bari, Italy), Eustachio Ricciardi, Sara Piccinno, Giovanni Sanasi, Marianna Cicchetti, Maria Francesca Grimaldi, Maria Rosaria Vulpi, Carla Santomasi, Fabrizio Diaferia, Andrea Portacci, Anna Violante, Ruben Infantino, Giovanna Elisiana Carpagnano
- 
- PA2165** **The Energy Costs of Daily Physical Activities in Elderly People with Chronic Obstructive Pulmonary Disease**  
Mayura Nitesnoppakul (Bangkok, Thailand), Anan Ananpipatkul, Monvasi Pachinburavan, Worawan Sirichana
- 
- PA2166** **Exploring Disease Acceptance Among COPD Patients: A Comprehensive Assessment at Agadir Hospital**  
sofia Farhat (agadir, Morocco), Hanane Ikrou, Nada Boutbagha, Selma Abedala, Hind Serhane
- 
- PA2167** **What is the contribution of comorbid hypertension to the course of COPD?**  
Olha Boiko (Dnipro, Ukraine), Victoriya Rodionova

**Health-related quality of life and asthma control in patients receiving or not receiving biologic treatments for severe asthma. Data from SHARP CRC**

**PA2168** Joseph Lanario (Plymouth (Devon), United Kingdom), Fleur. L Meulmeester, Lianne Ten Have, Dawn Redwood, Tania Wainwright, Jo Tilley, Anne Mcgahey, Simon Doe, Kathleen Bayani, Sanja Hromiš, Sabina Skrgat, Mariana Paula-Rezelj, Peter Kopač, Ana Žaže Bertoncel, Anneke Ten Brinke, Kristina Biekšienė, Jolita Palacionyte, Valentyna Yasinska, Barbro Dahlen, Oksana Tenzelius, Cláudia Chaves Loureiro, Maria Gonçalves Cunh, Pedro Nogueira, Inês Farinha, Dominique Hamerlijnck, Michael Hyland, Jacob Sont, Matthew Masoli

PS-13

Session 225

08:00 - 09:30

**Poster session: Taking control: advances in the management of asthma and allergic airways disease****Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Public health Cell and molecular biology Epidemiology Physiology Pulmonary function testing**Tag(s) :** Translational**Chairs :** Christian Taube (Essen, Germany), Francesco Ardesi (Varese, Italy)

**PA2169** **Personalized medicine for severe asthma: Machine learning guides biologic treatment choices.**  
Laila salameh (Dubai, United Arab Emirates), Salam Dhou, Sameer Alawneh, Assim Sagahyroun, Bassam Mahboub

**PA2170** **Real-world effectiveness of dupilumab vs benralizumab and vs mepolizumab in severe asthma: The EU-ADVANTAGE study**  
Johann Christian Virchow (Rostock, Germany), Giorgio W Canonica, Arnaud Bourdin, Juby Jacob-Nara, Kinga Borsos, Richard H. Stanford, Nami Pandit-Abid, Zhixiao Wang, Mena Soliman, Lynn Huynh, Sarah Kalia, Wendy Cheng

**PA2171** **Effectiveness of dupilumab vs omalizumab in patients with severe asthma – The EU-ADVANTAGE study**  
Giorgio Walter Canonica (Milano (MI), Italy), Arnaud Bourdin, J. Christian Virchow, Juby Jacob-Nara, Kinga Borsos, Richard H Stanford, Nami Pandit-Abid, Zhixiao Wang, Mena Soliman, Lynn Huynh, Sarah Kalia, Mei Sheng Duh, Wendy Cheng

**PA2172** **BEHAVE: Benralizumab clinical efficacy, tolerability, and safety in real-world experience with home-based spirometry**  
Slagjana Stoshikj (Wien, Austria), Katharina Marth, Andreas Renner, Dominik Bernitzky, Christina Bal, Andreas Zech, Sonja Zehetmayer, Johannes Vilsmeier, Karin Patocka, Wolfgang Pohl, Marco Izdco

**PA2173** **Tezepelumab in Real life setting: elucidating the clinical effectiveness, tolerability, and safety in severe asthma patients**  
Slagjana Stoshikj (Wien, Austria), Katharina Marth, Andreas Renner, Christina Bal, Karin Patocka, Wolfgang Pohl, Marco Izdco

**PA2174** **Oral corticosteroids and biologics use in the Greek Severe Asthma Registry (GSAR)**  
Evangelia Fouka (Thessaloniki, Greece), Konstantinos Samitas, Maria Kipourou, Pantelis Avarlis, Konstantinos Bartziokas, Konstantinos Charitopoulos, Katerina Dimakou, Aggeliki Florou, Mina Gaga, Eleni Gaki, Niki Georgatou, Christina Gratziou, Georgios Hillas, Maria Kallieri, Panagiota Karidi, Paraskevi Katsaounou, Konstantinos Katsoulis, Athanasios Konstantinidis, Konstantinos Kostikas, Ourania Kotsiou, Dimitrios Latsios, Miltiadis Markatos, Katerina Markopoulou, Pavlos Michailopoulos, Andrianna Papaioannou, Despoina Papakosta, Konstantinos Porpodis, Nikoleta Rovina, Dimitra Siopi, Athanasios Solakis, Paschalis Steiropoulos, Nikolaos Tzanakis, Eleni Tzortzaki, Stelios Vittorakis, Georgios Zaharis, Eleftherios Zervas, Stylianos Loukides, Petros Bakakos

**PA2175** **Impact of biologic initiation on oral corticosteroids in the International Severe Asthma Registry and the Optimum Patient Care Research Database: a pooled analysis**  
Wenjia Chen (Singapore, Singapore), Trung N. Tran, Benjamin Emmanuel, Belinda Cochrane, Alan Altraja, Bernt Bøgvold Aarli, Mona Al-Ahmad, Celine Bergeron, Leif Bjermer, Arnaud Bourdin, Guy G. Brusselle, Adeeb A. Bulkhi, George C. Christoff, Richard W. Costello, Zsuzsanna Csoma, Delbert R. Dorscheid, José Alberto Silva Ferreira, Liam G. Heaney, Enrico Heffler, David J. Jackson, Libardo Jiménez-Maldonado, Yah Ru Juang, Rohit Katial, Konstantinos Kostikas, Piotr Kuna, Désirée Larenas-Linnemann, Lauri Lehtimäki, Anqi Liu, Dóra Lúdvíksdóttir, Bassam Mahboub, Andrew N. Menzies-Gow, Luis Perez-De-Llano, Matthew J. Peters, Paul E. Pfeffer, Paulo Márcio Pitrez, Todor A. Popov, Chin Kook Rhee, Fernando Saldarini, Florence Schleich, Chau-Chyun Sheu, Neda Stjepanovic, Yuji Tohda, Charlotte Suppli Ulrik, Eileen Wang, Michael E. Wechsler, Aaron Beastall, Lakmini Bulathsinhala, Ruth B. Murray, Ghislaine Scelo, David B. Price

**PA2176** **Real life effectiveness of Mepolizumab in a cohort of patients with severe eosinophilic asthma and nasal polyposis after 6 years of treatment: a single centre study**  
Antonio Caso (Trecase, Italy), Gerardo Nazzaro, Giuseppe Simonetti, Francesco Coppa, Lorena Gallotti, Anna Agnese Stanziola



- PA2177** **Initiation of dupilumab led to reduced use of oral corticosteroids (OCS) and other medications over 12 months in patients with chronic rhinosinusitis with nasal polyps (CRSwNP): A US real-world practice study**  
Juby Anne Jacob-Nara (Orlando, United States), Stella Lee, Joseph K. Han, Joshua M. Levy, Zachary M. Soler, Lucia De Prado Gomez, Nehal Kamal, Scott Nash, Mark Corbett, Harry Sacks, Juby A. Jacob-Nara
- PA2178** **Efficacy and Safety Analysis of Mepolizumab in the Treatment of Eosinophilic Granulomatosis with Polyangiitis**  
Changxing Ou (Guangzhou, China), Wenmin Lin, Yue Wu, QingLing Zhang
- PA2179** **New onset EGPA in patients on biologics for severe asthma (SA)- a multi-centre case series**  
Hitasha Rupani (Southampton, United Kingdom), Aruna T. Bansal, Svetlana Sergejeva, Alexandra Nanzer, Marco Caminati, Peter Kopac, Zsuzsanna Csoma, Sabina Skrgat, Branislava Milenkovic, Kristina Bieksiene, Eleftherios Zervas, Els Weersink, Piotr Kuna, Valentyna Yasinka, Vratislav Sedlak, Paddy Dennison, Sasa Rink, Gary Anderson, Celeste Porsbjerg
- PA2180** **The impact of mepolizumab therapy on Treg proliferation and exhaustion state**  
Tommaso Pianigiani (Siena, Italy), Paolo Cameli, Miriana D'Alessandro, Elena Bargagli, Laura Bergantini
- PA2181** **The effects of Benralizumab on blood basophils in severe asthmatic patients: preliminary results**  
Cecilia Calabrese (Napoli (NA), Italy), Federica Massaro, Alessio Sola, Marco Balestrino, Chiara De Falco, Federica Garziano, Giuseppe Labruna, Francesco Perna
- PA2182** **Real-world assessment of clinical remission in asthma with biologics**  
Peter Howarth (Brentford, United Kingdom), Kaiser Lim, Tom Corbridge, Lydia Lee, Hannah Barman, Mithun Manoharan, Safak Simsek, Tyler Wagner, Arijita Deb
- PA2183** **Achievement of clinical remission in asthma subgroups based on the combination of FeNO and blood eosinophil counts**  
Reina Ishii (saitama, Japan), Tomoyuki Soma, Yuki Hoshino, Tatsuhiko Uno, Takeshi Asado, Erika Naito, Ryu Sekiya, Kazuki Katayama, Hidetoshi Iemura, Sachiko Miyachi, Yoshitaka Uchida, Kazuyuki Nakagome, Makoto Nagata
- PA2184** **Role of Allergen Immunotherapy and Omalizumab as an adjuvant in Asthma remission**  
Venkatesh Bhat (Mumbai, India)
- PA2185** **Late Breaking Abstract - IL-33 enhances contractions and mast cell mediator release in isolated human bronchi**  
Maria Belikova (Stockholm, Sweden), Anna-Karin Johnsson, Johan Kolmert, Craig E. Wheelock, Willem Abma, Mamdoh Al-Ameri, Axel Dimberg, Erik Sachs, Kasra Vali Jalali, Mikael Adner, Gunnar Nilsson, Sven-Erik Dahlén, Jesper Säfholm
- PA2186** **How, when and why AIT is prescribed in Italy: a real-life study conducted through a patient association**  
Emanuele Nappi (Rozzano, Italy), Giovanni Paoletti, Mattia Giovannini, Domenico Gargano, Luca Pecoraro, Simona Barbaglia, Giorgio Walter Canonica, Enrico Heffler
- PA2187** **Real-life Adherence and Evidence of Sublingual Immunotherapy in Allergic Rhinitis and Asthma Among Tunisian Active-Duty Service Members**  
Yossr Aloulou (Manouba, Tunisia), Islam Mejri, Manel Jabberi, Tasnime Znegui, Chiraz Aichaouia, Zied Moatemri
- PA2188** **Increased inhibitory surface marker PD-1 expression in Th2+T cells in allergen-specific immunotherapy**  
Yun Liu (Xi'an, China), Xueyan Jie, Dan Wang, Hongju Da, Hongxin Li, Hongyan Zhao, Jin He, Jianghao Liu, Yu Ma, Zhihui Qiang, Zhuoyang Li, Haicheng Zhong

PS-14

Session 226

08:00 - 09:30

## Poster session: Risk factors, incidence, prognosis and management of COVID-19 and other respiratory infections

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

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

**Chairs :** Jagat Jeevan Ghimire (Kathmandu, Nepal), Ashesh Dhungana (New Delhi (Delhi), India)

- PA2189** **Peripheral blood indicators and COVID-19: an observational and Mendelian randomization study**  
Zhenglin Chang (guangzhou, Switzerland), Baoqing Sun
- PA2190** **Healthcare Resources Utilization and Costs of Paediatric Patients with Long-COVID managed in the community in France**  
Jingyan Yang (New York, United States), Cheikh Tamberou, Elise Arnee, Pierre-Alexandre Squara, Ayoub Boukhlal, Haifa Romdhane Ben, Stéphane Fiévez, Jennifer Nguyen, Hannah Volkman, Jinma Ren, Pascal Crépey, Olivier Robineau
- PA2191** **Healthcare Resources Utilization and Costs of Adult Patients with Long-COVID managed in the community in France**  
Jingyan Yang (New York, United States), Cheikh Tamberou, Elise Arnee, Pierre-Alexandre Squara, Ayoub Boukhlal, Haifa Romdhane Ben, Stéphane Fiévez, Jennifer Nguyen, Hannah Volkman, Jinma Ren, Pascal Crépey, Olivier Robineau



- PA2192** **Consequences of post COVID-19 on general health and lifestyle among young adults: a population-based study**  
Ida Mogensen (Skarpnäck, Stockholm, Sweden), Sandra Ekström, Maria Ödling, Antonios Georgelis, Anne-Sophie Merritt, Sophia Björkander, Jochen Schwenk, Erik Melén, Anna Bergström, Inger Kull
- 
- PA2193** **Symptoms of the post-COVID syndrome at young adults**  
Anna V Demchuk (Vinnytsia, Ukraine), Tetyana V Konstantynovych, Anna Zagrebelna, Dariya Martynyuk, Yuliya Fedorovych
- 
- PA2194** **Covid-19 mortality risk factors in the hospitalized patients in Sahloul University Hospital-Tunisia**  
Arwa Neffati (Tunis, Tunisia), Hela Ghali, Sana Bhiri, Habiba Ben Hamada, Balsam Kacem, Mohamed Benrejeb, Asma Ben Cheikh, Mohamed Kahloul, Halim Trabelsi, Walid Najja, Houyem Said
- 
- PA2195** **Defining a long COVID 'exotype' within the P402 COVID-19 study**  
Laura Houweling (Utrecht, Netherlands), Judith Holtjer, Lizan Bloemsma, Lützen Portengen, Jelle Blankestijn, Anke-Hilse Maitland-Van Der Zee, Roel Vermeulen, George Downward
- 
- PA2196** **Impact of the COVID-19 pandemic on home mechanical ventilation in Germany**  
Sarah Bettina Stanzel (Köln, Germany), Maximilian Wollsching-Strobel, Daniel Sebastian Majorski, Doreen Kroppen, Melanie Berger, Falk Schumacher, Maximilian Zimmermann, Windisch Wolfram
- 
- PA2197** **Long-term sequelae following severe Covid-19 infection based on prior vaccination status.**  
Laura Alcarraz Vázquez (Zaragoza (Zaragoza), Spain), Anna Vila Fornells, Sally Santisteve, Maria Aguilà, Aida Monge, Nuria Forns Parial, Rafaela Vaca Molina, Olga Mínguez Roure, María Zuñil Moreno, Ivan D. Benítez, Clara Gort-Paniello, Anna Moncusí-Moix, David De Gonzalo-Calvo, Ferrán Barbé, Jessica González
- 
- PA2198** **Hospitalisations for lower respiratory tract infections in adults with and without chronic respiratory disease during and after COVID-19 pandemic**  
Alexandre Sabaté-Elabbadi (Paris, France), Lucie Brolon, Christian Brun-Buisson, Didier Guillemot, Muriel Fartoukh, Laurence Watier
- 
- PA2199** **Tuberculosis in Children in Bulgaria in the period 2007-2022**  
Mariya Tyufekchieva (Sofia, Bulgaria), Angelina Yaneva
- 
- PA2200** **Acute Lower Respiratory Tract Disease remains a significant disease following the COVID19 pandemic**  
Catherine Hyams (Bristol, United Kingdom), Robert Challen, Elizabeth Begier, Maria Lahuerta, Jo Southern, Serena Mcguinness, James Campling, Jennifer Oliver, Andrew Vyse, Negar Aliabadi, Nick Maskell, Bradford Gessner, Leon Danon, Adam Finn
- 
- PA2201** **High prevalence of Antithyroid antibodies in Long COVID fatigue patients**  
Ana Rita Gaspar Ribeiro (Portimão, Portugal), Cátia Saraiva, Benedita Ferreira, Inês Simões, Joana Moutinho, Inês Belchior, Nuno Lopes, Cláudia Guerreiro, Helena Ramos, Djamilia Neves, Ulisses Brito, Lígia Pires
- 
- PA2202** **Trends of the invasive pneumococcal disease in a hospital in Madrid, 2007- 2023.**  
Isabel Jiménez Reyes (Madrid, Spain), Doylith Carol García Montero, Irene Hontanaya Navas, María Reyes Sánchez Jaldo, Ángela Ramos Pinedo, Jose Francisco Valverde Canovas, Juan Carlos Sanz Moreno, Irene Torres Arroyo
- 
- PA2203** **Prevalence and clinical outcome of Respiratory Syncytial Virus (RSV) and Influenza in COPD patients hospitalized with acute exacerbation**  
Michael Kassirer (Nof Ayalon, Israel), Nitzan Sagie, Michal Gordon, Bracha Cohen, Yael Raviv
- 
- PA2204** **TB: Tip of the iceberg or a pandemic in the making - again?**  
Sudhir Lohani (Longfield, United Kingdom), Naomi Earl, Burhan Khan
- 
- PA2205** **Evaluating pneumococcal vaccine strategies in older adults in Germany: proficiency and cost-utility**  
Kahkashan Mahreen (Halle (Saale), Germany), Myka Harun Sarajan, Alexander Kuhlmann
- 
- PA2206** **Community-Acquired Pneumonia in Centenarian Elderly Individuals**  
Raquel Alexandra Dos Santos Silva (Setúbal, Portugal), Inês Marques Macedo, Maria Luís Bragança, Fernanda Paula, Henrique Oliveira, Filipe Froes
- 
- PA2207** **Domiciliary Non-Invasive Ventilation in COPD Patients: Reducing the number of exacerbations and improving Outcomes.**  
Ines moussa (ariana, Tunisia), Mayssa Chariag, Lenda Benhmida, Hana Mrassi, Tarek Cherif, Oumaima Bziouech, Imen Sahnoun, Leila Douik Elgharbi
- 
- PA2208** **Allostatic load in incident airflow obstruction: Evidence for syndemics?**  
Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Mariana Radu-Piuk, Emiel F M Wouters, Marie-Kathrin Breyer

PS-15

Session 227

08:00 - 09:30

**Poster session: Occupational carcinogens and underlying mechanisms****Disease(s) :** Interstitial lung diseases Airway diseases Thoracic oncology**Method(s) :** Cell and molecular biology Public health Endoscopy and interventional pulmonology Imaging Epidemiology General respiratory patient care**Tag(s) :** Clinical, Translational**Chairs :** Sara De Matteis (Milan, Italy), Steven Ronsmans (Leuven, Belgium)

- PA2209** **Clinical, spirometric, radiological characteristics and disease biomarkers in a silicosis patients cohort in north Sardinia-Italy**  
Barbara Piras (Sassari, Italy), Elisabetta Zinellu, Eneta Albrahimi, Antonia Lecerase, Vanessa Bacile, Sara Solveig Fois, Biagio Di Lorenzo, Stefano Zoroddu, Alessandro Giuseppe Fois, Angelo Zinellu, Pietro Pirina
- 
- PA2210** **Artificial Stone Silicosis: the first UK case series**  
Johanna Feary (London, United Kingdom), Joanna Szram, Matthew Burton, Felix Chua, Robina Coker, Arnab Datta, Richard Hewitt, Maria Kokosi, Vasilis Kouranos, Carl Reynolds, Clare Ross, Veronica Smith, Katie Ward, Melissa Wickremasinghe, Anand Devaraj
- 
- PA2211** **Frequency of rheumatic diseases, tuberculosis and premature deaths and related factors in patients with silicosis**  
Özlem Kar Kurt (Istanbul, Turkey), Seyma Karaketir, Derya Giakoup, Elif Altundaş Hatman, Zeki Kılıçaslan
- 
- PA2212** **A retrospective cohort study of interstitial lung abnormalities in pneumoconiosis**  
Qiao Ye (Beijing, China), Ziyun Guo, Yuanying Wang, Di Sun, Yawen Song, Xuqin Du
- 
- PA2213** **Cases of pneumoconiosis in workers working on Teflon-coating.**  
Daeho Kim (Incheon, Republic of Korea), Wonseok Cha
- 
- PA2214** **Cancer and work sector: an analytical epidemiological study in Italy**  
Sara Maio (Pisa (PI), Italy), Giuseppe Sarno, Anna Angino, Iaria Stanisci, Sofia Tagliaferro, Giovanni Viegi, Carolina Mensi, Lucia Miligi, Stefania Massari, Claudio Gariazzo, Annibale Biggeri, Dolores Catelan, Sandra Baldacci
- 
- PA2215** **The role of microRNAs as diagnostic and prognostic biomarkers of asbestos-related lung cancer: a systematic review and meta-analysis.**  
Debraj Mukhopadhyay (Cagliari, Italy), Pierluigi Cocco, S Orrù, Roberto Cherchi, Sara De Matteis
- 
- PA2216** **Glycolysis alteration drives silica-induced NLRP3-dependent pyroptosis through promoting lactylation modification**  
xiaojie you (Wuhan, China), Yujia Xie, Pei Gu, Yingdie Zhang, Shiyu Yang, Jixuan Ma, Weihong Chen
- 
- PA2217** **Mode of actions of nanomaterial-induced respiratory toxicity**  
Carola Voss (Hanover, Germany), Lianyong Han, Meshal Ansari, Maximilian Strunz, Verena Haefner, Ilias Angelidis, Christoph Mayr, Trine Berthing, Carol Ballester-Lopez, Thomas Conlon, Qiongliang Liu, Hongyu Ren, Zhou, Otmar Schmid, Ali Önder Yildirim, Markus Rehberg, Ulla Vogel, Janine Gote-Schniering, Fabian J. Theis, Herbert B. Schiller, Tobias Stoeger
- 
- PA2218** **Effects of silica dust from silica agglomerates countertops in cellular signalling pathways**  
Antonio Campos-Caro (Cádiz, Spain), Alejandro García- Núñez, Gema Jiménez-Gómez, Antonio Leon Jimenez
- 
- PA2219** **Single-Cell RNA Sequencing Identifies Spp1+ Macrophage Subpopulation as a Target for Alleviating Silica-Induced Pulmonary Fibrosis**  
Di Sun (Beijing, China), Yuanyin Wang, Ruimin Ma, Jingwei Wang, Qiao Ye
- 
- PA2220** **Compositional changes in pulmonary surfactant among welding fume exposed associated with oxidative stress and inflammation**  
Alexander Holm (Gothenburg, Sweden), Sanna Kjellberg, Per Larsson, Linus Schiöler, Mats Josefsson, Anna-Carin Olin
- 
- PA2221** **Welding fumes and COVID-19 – a dangerous liaison**  
Sanna Kjellberg (Trollhättan, Sweden), Alexander Holm, Spela Kokelj, Anna-Carin Olin
- 
- PA2222** **Evaluation of occupational and environmental exposures and related findings in patients with sarcoidosis**  
Özlem Kar Kurt (Istanbul, Turkey), Elif Altundas Hatman, Burcu Babaoğlu Elkhatrushi, Erdoğan Çetinkaya
- 
- PA2224** **Short latent period of chronic silicosis: a case series**  
Shlomo Moshe (Rishon Letzion, Israel), Yael Ofri Sahar Kostis, Rachel Raanan
- 
- PA2225** **A case series on Silicotic Broncho-stenosis**  
Velraj Ravichandran (Salem, India)
- 
- PA2226** **Clinical and Epidemiological Profile of Patients with Pulmonary Silicosis at Hassan II Hospital in Agadir**  
Oussama HALLOUMI (AGADIR, Morocco), Aboubakr Imzil, Selma Abdala, Hind Serhane

**PA2227** **Evaluating the impact of coal-fired thermal power plants on morbidity in Yatağan, Türkiye**  
Selin Çakmakçı Karakaya (Ankara, Turkey), Sebahat Genç, Sabri Serhan Olcay, Merve Erçelik Koncak, Deniz Gümüsel, Jale Yağız, Nilüfer Aykaç, Ahmet Uğur Demir, Ozan Devrim Yay, Ali Kocabaş, Ali Osman Karababa

**PA2228** **Assessment of health and environmental risk perception in a Tunisian population: A cross-sectional survey**  
Nemsi Ella (Tunis, Tunisia), Sabrine Louhaichi, Besma Hamdi, Sarra Trimech, Yasmine Haddar, Aymen Jebali, Afef Skhiri, Jamel Ammar, Agnès Hamzaoui

PS-16

Session 228

08:00 - 09:30

**Poster session: Inhalation devices: adherence, medicines and transition of care**Disease(s) : **Airway diseases**

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

Chairs : Katharina Kainz (Wien, Austria), Tamara Paff (Rotterdam, Netherlands)

**PA2229** **Inhaled corticosteroid delivery is markedly affected by breathing pattern and valved holding chamber model**  
Laura Ojanperä (tampere, Finland), Lauri Lehtimäki, Heini Huhtala, Péter Csonka

**PA2230** **Reducing environmental footprint of asthma treatments by promoting appropriate inhaler disposal.**  
Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Samantha Flowers

**PA2231** **Real-world digital smart inhaler (DSI) monitoring in children with uncontrolled Asthma**  
Pooja Devani (Leicester, United Kingdom), Sarah Popple, Lesley Danvers, Eliza Trim, Latricia Pawlick, David Lo, Vinayak Rai, James Hadwin, Erol Gaillard

**PA2232** **Inhaler technique among asthmatic children: common errors and impact on asthma control**  
Besma Hamdi (Tunis, Tunisia), Farah Garci, Sabrine Louhaichi, Chaima Turki, Yosra Bellil, Syrine Abdelmoumen, Syrine Arfa, Jamel Ammar, Agnes Hamzaoui

**PA2233** **Comparative analysis of pediatric face mask sealing with valved holding chambers**  
Andrea Winzen (Gräfelfing, Germany), Luisa Roßmann, Karin Steinführer, Yvonne Burmeister, Arshan Perera, Rosina Ledermüller

**PA2234** **A 5-year analysis of wheezy children managed by the children's 'Ambulatory Care Experience' team at Bradford Royal Infirmary (BRI)**  
Anil Shenoy (Bradford, United Kingdom), Alyce Hayes, Mathew Mathai, Emma Morrison

**PA2235** **Exploring General Practitioners' Perspectives on Transitioning Patients with Asthma: A Qualitative Interview Study**  
Luna Antonino (Edegem, Belgium), Kim Van Hoorenbeeck, Josefien Van Olmen, Natwarin Janssens, Delphine De Smedt, Ann Van Hecke, Lisa Van Wilder, Karsten Vanden Wyngaert, Stijn Verhulst, Eva Goossens

**PA2236** **Investigating challenges and elements of transitional care in young people with asthma: A systematic review**  
Luna Antonino (Edegem, Belgium), Kim Van Hoorenbeeck, Josefien Van Olmen, Yaël Vanharen, Natwarin Janssens, Stijn Verhulst, Eva Goossens

**PA2238** **11-year longitudinal asthma trajectories based on dispensed medications in a population-based Swedish birth cohort**  
Daniil Lisik (Gothenburg, Sweden), Göran Wennergren, Hannu Kankaanranta, Rani Basna, Syed Ahmar Shah, Frida Strömberg Celind, Emma Goksör, Bright Nwaru

**PA2239** **Adherence to smart inhalers in a clinical trial of preterm-born children**  
Ella Kotecha (Cardiff, United Kingdom), Michael Cousins, Kylie Hart, W. John Watkins, Sarah J Kotecha, Sailesh Kotecha

**PA2240** **The adherence to the allergic rhinitis symptom diary application in young asthmatics**  
Tiina Tanninen (HELSINKI, Finland), Anna Pelkonen, Mika J. Mäkelä

**PA2241** **Towards non-invasive home monitoring of children with asthma, a clinical cohort study**  
Casper Gijzen (Maastricht, Netherlands), Jan Lucas, Marieke Van Horck, Eric De Groot, Jean Muris, Edward Dompeling

**PA2242** **Video directly observed therapy (v-DOT) for achieving and sustaining mastery of inhaler and nasal spray technique in children and young people: A randomised pilot study.**  
Kathryn Ferris (Bangor, United Kingdom), Paddy Mc Crossan, Michael Shields, James Paton, Dara O'Donoghue

**PA2243** **Prescription practices of inhaled corticosteroids in combination with long-acting beta2 agonists in Indian children with asthma: Results of the RAINBOW survey**  
Vaishali Naik (Mumbai (Maharashtra), India), Meena Lopez, Subhasis Roy, Srinivas Jakka, Swapna Nair, Jaideep Gogtay

**PA2244** **Benefits of inhalation chambers in Tunisian children with asthma**  
Besma Hamdi (Tunis, Tunisia), Chaima Turki, Sabrine Louhaichi, Yosra Bellil, Sirine Arfa, Sarra Abdelmoumen, Jamel Ammar, Agnes Hamzaoui

**Late Breaking Abstract - Mepolizumab treatment in children and adolescents with severe eosinophilic asthma (CASAM)-A real-world study:initial analysis**

PA2245 Latika Gupta (London, United Kingdom), Ines De Mir Messa, Jose Valverde-Molina, Clare Murray, Ana Diez Izquierdo, Ana Martinez Canavate, Katharine Pike, Carolina Diaz Gracia, Alicia Callejon Callejon, Prasad Nagakumar, Olga De La Serna Blazquez, James Cook, Laura Valdesoiro, Juan Navarro Moron, Mirella Gaboli, Silvia Castillo Corullon, Alvaro Gimeno Diaz De Atauri, Pilar Caro Aguilera, Jaime Lozano Blasco, Yolanda Aliaga, Alejandro Lopez Neyra, Andrew Turnbull, Paula Corcuera Elosegui, Chinedu Nwokoro, Atul Gupta

**Fostering independence: A comprehensive understanding of youth's experiences throughout the stages of healthcare transition in common chronic conditions.**

PA2246 Natwarin Janssens (Wilrijk, Belgium), Lisa Van Wilder, Ann Van Hecke, Karsten Vanden Wyngaert, Kim Van Hoorenbeeck, Delphine De Smedt, Eva Goossens

**The direct cost of medication in asthmatic Greek children**

PA2247 Nikolaos Karantaglis (Thessaloniki, Greece), Fotios Kirvassilis, Kalliopi Kontouli, Antonios Gkantaras, Maria Emporiadou, John Tsanakas

**Quality-of-life assessment in childhood asthma: A cross-sectional validation of the mini version of Pediatric Asthma Quality of Life Questionnaire in Indian children**

PA2248 Jagdish Goyal (Jodhpur (Rajasthan), India), Saurabh Agarwal, Prawin Kumar

PS-17

Session 229

08:00 - 09:30

**Poster session: New insights in diffuse lung diseases**

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

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

Tag(s) : Clinical, Translational

Chairs : Anna Wiemers (Bochum, Germany), Laura Petrarca (Roma (RM), Italy)

**Comparison of olfactory and gustatory function in children and adolescents with Cystic Fibrosis and Primary Ciliary Dyskinesia with healthies**

PA2249 Anne Schlegkendal (Bochum, Germany), Lea Christiane Beermann, Lisa Sophie Demski, Stefanie Dillenhöfer, Claire Mallon, Christoph Maier, Folke Brinkmann, Anna Hoffmann, Thomas Lücke

**Automatic mucus plugging analysis on chest computed tomography in children with primary ciliary dyskinesia**

PA2250 Harm Tiddens (Rotterdam, Netherlands), Federico Mollica, Breanna Kinghorn, Daan Caudri, Stephanie Davis, Thomas W. Ferkol, Margaret W. Leigh, Punit Makani, Erin Sullivan, Kelli Sullivan, Margaret Rosenfeld, Harm A. W. M. Tiddens

**A decade of lower respiratory sampling in paediatric PCD**

PA2251 Julie Simpson (Birmingham, United Kingdom), Elisabeth Curtis, Anne Armitage, Deepa Patel, Priti Kenia

**Move-PCD: A multicentre longitudinal randomized controlled trial on the effect of a 6-month individualized and supervised physical activity program on quality of life in children, adolescents, and adults with Primary Ciliary Dyskinesia**

PA2253 Stefanie Dillenhöfer (Dortmund, Germany), Anna Teresa Hoffmann, Anna Mai, Anne Schlegkendal, Christoph Maier, Julien Stein, Klaus Baum, Marianne Tokic, Thomas Lücke, Nina Timmesfeld, Folke Brinkmann

**Ciliary videomicroscopy performed at room temperature or at 37°C is efficient to diagnose primary ciliary dyskinesia**

PA2254 Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Lionel Benchimol, Olivier Hougrand, Julie Harvengt, Elisa Docampo Martinez, Adeline Jacquinet, Ammar El Kheir, Anne-Lise Poirrier, Clara Pauly, Françoise Guissard, Catherine Moermans, Doriane Calmés, Renaud Louis, Noémie Bricmont

**Experience With Flexible Bronchoscopy as A Useful Diagnostic And Treatment Tool In Patients Diagnosed With Non-Cystic Fibrosis Bronchiectasis: A Single-Center Study**

PA2255 Merve nur Tekin (Ankara, Turkey), Fazılcan Zirek, Secahattin Bayav, Mukaddes Ağrırtıcı, Esin Gizem Olgun, Mahmut Turğut, Semra Küçük Öztürk, Gizem Özcan, Nazan Çobanoğlu

**Primary ciliary dyskinesia: a multicenter study assessing genotype -phenotype association in Italy.**

PA2256 Laura Petrarca (Roma (RM), Italy), Valentina Guida, Raffaella Nenna, Alessandro De Luca, Piercarlo Poli, Maria Giulia Conti, Giuseppe Cimino, Antonella Frassanito, Enrica Mancino, Greta Di Mattia, Fabio Midulla

**Bronchoalveolar Eosinophilia in children with protracted bacterial bronchitis**

PA2257 Vasilis Grammeniatis (IOANNINA, Greece), Marios Papadopoulos, Dafni Moriki, Priftis Kostas, Douros Kostas

**PA2258 Inflammatory parameters and innate lymphoid cells in childhood interstitial lung diseases: a prospective study**  
Mina Hizal (Ankara, Turkey), Sevil Oskay Halaçlı, Halime Nayır-Büyükaşahin H., Büşra Çiftçier, Kevser Yılmaz, Nagehan Emiralioglu Ordukaya, Saliha Esenboğa, Deniz Çağdaş Ayvaz, Ebru Yalçın, Deniz Doğru, Uğur Özçelik, Nural Kiper, FeYZi İlhan Tezcan

**PA2259 Rare ABCA3 Gene Mutation: Clinical Presentation and Treatment in Infancy and Childhood**  
Zeliha Basak Polat (İstanbul, Turkey), Gülay Bilgin, Sinem Can Oksay, Deniz Mavi Tortop, Zeynep Reyhan Onay, Saniye Girit

**PA2260 Late Breaking Abstract - Risk Factors for Adverse Respiratory Outcomes in Infants with Congenital Lung Malformations**  
Christopher Harris (London, United Kingdom), Oishi Sikdar, Ancuta Muntean, Niyi Ade-Ajayi, Shailesh Patel, Mark Davenport, Anne Greenough

**PA2261 Late Breaking Abstract - Complementary effect of pleuran on asthma control in children with partly controlled perennial asthma**  
Miloš Jeseňák (Martin, Slovakia), Martin Hrubisko, Jerzy Chudek, Jaromir Bystron, Zuzana Rennerova, Zuzana Diamant, Juraj Majtan, Andrzej Emeryk

**PS-18 Session 230 08:00 - 09:30**

**Poster session: New trends in thoracic surgery**

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

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

**Chairs :** Lorenzo Rosso (Milan, Italy), Veronica Manolache (Bucuresti, Romania)

**PA2262 “He feels his breathing is back to normal”: Diaphragm Position and Patient-Reported Outcomes Following Phrenic Nerve Reconstruction for Diaphragm Paralysis.**  
Edward Caruana (Kegworth, United Kingdom), Matthew Kaufman, Jimmy Naipaul, Thomas Bauer, Reza Jarrahy, Jeannine Sico

**PA2263 Diffuse idiopathic pulmonary neuroendocrine cell hyperplasia (DIPNECH) incidentally diagnosed after lung surgery: analysis of a large cohort of consecutive patients**  
Maria Giovanna Mastromarino (Pisa, Italy), Andrea La Rosa, Diana Bacchin, Greta Ali, Iosè Di Stefano, Vittorio Aprile, Stylianos Korasidis, Marcello Carlo Ambrogi, Marco Lucchi

**PA2264 Management practice and outcome for primary spontaneous pneumothorax – a retrospective study**  
Jackson Ka Chun Leung (Hong Kong, Hong Kong), Chi Leung David Lam

**PA2265 RESECTED CHEST WALL TUMORS IN CHILDREN: MONOCENTRIC EXPERIENCE**  
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Emna Krichen, Aymen Ben Ayed, Abdessalem Hentati, Imed Frikha

**PA2266 Pulmonary resection for massive hemoptysis: Over 20 years of experience;**  
Wassim Chaieb (Ariana, Tunisia), Imen Bouacida, Ali Ben Salem, Amina Abdelkabar, Mehdi Abdennadher, Hazem Zribi, Marghli Adel

**PA2267 Association of preoperative spirometry with postoperative pulmonary complications and prolonged length of hospital stay following coronary artery graft surgery**  
Jack Reeves (Sydney, Australia), Paul Bannon, Daniel Steffens, Sharon Carey

**PA2268 The cornerstone of hydatidosis of the chest wall : Recurrence**  
Asma Saad (Ariana , Tunisia), Imen Bouassida, Amina Abdelkbir, Mahdi Abdennadher, Sarra Zairi, Hela Cherif, Hazem Zribi, Adel Marghli

**PA2269 Late Breaking Abstract - Surgical Outcomes of Synchronous Multiple Primary Lung Cancers With More Than Three Lesions**  
Wenxin Luo (Chengdu, China), Weimin Li

**PA2270 Videolaryngoscopy is associated with a lower rate of double-lumen endotracheal tube malposition in thoracic surgery procedures, retrospective single-center study**  
Güntüğ Batıhan (Kars, Turkey), Soner Kına, Ihsan Topaloğlu

**PA2271 tracheal stenosis : surgical management and results**  
Wassim Chaieb (Ariana, Tunisia), Hamdi Siwar, Abdelkbir Amina, Saidani Wifek, Abdennadher Mahdi, Maazaoui Sarra, Zribi Hazem, Marghli Adel

**PA2272 SURGICAL TREATMENT OF RECURRENT TRACHEAL STENOSIS AFTER SURGERY**  
Emna Benjemia (Tunis, Tunisia), Mohamed-Sadok Boudaya, Ferial Souissi, Yosr Ben Attig, Selma Madhi, Malak Rammeh, Anis Ben Dhaou, Mariem Bouchekoua, Emna Ben Jemia, Haifa Zaibi



- PA2273** **Are patients aware of their risk of further recurrence after index pneumothorax surgery?**  
Edward Caruana (Kegworth, United Kingdom), Neil Greening, Iain Stewart
- 
- PA2274** **Chondrosarcomas of the chest wall: a report of 17 cases.**  
Wassim Chaieb (Ariana, Tunisia), amina abdelkbir, Wassim Cheib, Imen Bouassida, Aly Ben Selem, Ines Moussa, Mahdi Abdennadher, Nizar Fitouhi, Hazem Zribi, Adel Marghli
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- PA2275** **Surgical treatment of tracheal stenoses in an emerging country**  
Emna Benjemia (Tunis, Tunisia), Mohamed Sadok Boudaya, Ferial Souissi, Yosr Ben Attig, Selma Madhi, Malak Rammeh Rammeh, Anis Ben Dhaou, Mariem Bouchekoua, Emna Ben Jemia, Haifa Zaibi
- 
- PA2276** **Challenges in Robotic thymectomy: stage IVa Myasthenia Gravis pediatric patient**  
Delia Giovanniello (Avellino, Italy), Sara Ricciardi, Mauro Calvani, Silvia Rogante, Monica Mucciarone, Luigi Carbone, Francesco Carleo, Marco Di Martino, Sara Mantovani, Lorenzo Salvadori, Maurizio Bitetto, Stefano Treggiari, Massimo Osvaldo Jaus, Luigi Tritapepe, Giuseppe Cardillo
- 
- PA2277** **When a congenital disorder meets genetics**  
Benedita Teixeira Custódio Gonçalves Ferreira (Albufeira, Portugal), Cátia Saraiva, Ligia Pires, Rita Ribeiro
- 
- PA2278** **Mediastinal cystic lymphangiomas : a single institution experience**  
Wassim Chaieb (Ariana, Tunisia), wifek SAIDANI, Amina Abdelkebir, Chaieb Wassim, Imen Bouacida, Mahdi Abdennadher, Nizar Fitouhi, Sarra Maazaoui, Hazem Zribi, Adel Marghli
- 
- PA2279** **Minimally invasive repair of pectus excavatum: report of a beginning experience**  
Sarrah Zairi (Tunis, Tunisia), Habib Bessrou, Imen Bachouch, Mehdi Abdennadher, Hazem Zribi, Meriem Affes, Mohamed Zairi, Nizar Fitouhi, Soraya Fenniche, Saoussen Hantous, Mohamed Nabil Nessib, Taher Mestiri, Adel Marghli
- 
- PA2280** **Management of primary spontaneous pneumothorax in marijuana smokers: about 81 cases**  
Olfa Ben Moussa (Tunis, Tunisia), Emna Ben Jemia, Hend Ouertani, Mohamed Sadok Boudaya, Yosr Ben Atig, Jihene Ben Amar, Haifa Zaibi, Hichem Aouina
- 
- PA2281** **Infertility resolved after proper thoracic assessment: A case of disseminated endometriosis**  
Shaya Alshaya (Riyadh, Saudi Arabia), Riyad Allehebi, Ghada Alhadlaq

PS-19

Session 231

08:00 - 09:30

**Poster session: Contemporary nursing****Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#) [Respiratory critical care](#) [Pulmonary vascular diseases](#)**Method(s) :** General respiratory patient care Public health Pulmonary function testing Pulmonary rehabilitation Transplantation Palliative care Epidemiology**Chairs :** Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Liliana Silva (Matosinhos, Portugal)

- PA2282** **Handgrip strength and cognitive function among older adults with COPD**  
Jungeun Lee (Kingston, United States)
- 
- PA2283** **Measuring self-care behaviours of a portuguese population with COPD: descriptive study**  
Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Hélder Freitas Cunha, José Miguel Padilha
- 
- PA2284** **Translation and cultural adaptation of the Self-Care in COPD inventory to Portuguese**  
Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Hélder Freitas Cunha, José Miguel Padilha
- 
- PA2285** **Psychometric properties of the portuguese version of the Self-Care in COPD inventory**  
Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Hélder Freitas Cunha, José Miguel Padilha
- 
- PA2286** **Impact of multimorbidity on sleep and depressive symptoms among individuals living with COPD**  
Jungeun Lee (Kingston, United States)
- 
- PA2287** **Quality of life is related to psychological distress in patient with PE**  
Julia Raya Benitez (Granada, Spain), Ana Belén Gámiz Molina, Andrea María Mendoza Barrios, Ana Isabel Rubio López, Laura López López, Marie Carmen Valenza
- 
- PA2288** **The transition experience in the lung transplant process**  
Andreia Pereira (Lisbon, Portugal), sonia Morgado, Filipa Veludo, Isabel Rabiais
- 
- PA2289** **How the level of education of medical professionals engaged in lung transplantation affects their personal quality of life index**  
Barbara Mužar (Zagreb, Croatia), Dijana Halilovic, Andreja Sajnic, Tanja Zovko, Ana Zivkusic, Irena Godic, Miroslav Samarzija

- PA2290** **A systematic review to explore the impact of cardiac sarcoidosis on health-related quality of life**  
Juan Carlos Quijano-Campos (London, United Kingdom), Neha Sekhri, Muhunthan Thillai, Elizabeth Blower, Lawrence Othen-Price, Elizabeth Murphy, Herbert Clarke, Joanna Whight, Julie Sanders
- PA2291** **Exploring the impact of cardiac sarcoidosis on health-related quality of life: interviews for item-generation**  
Juan Carlos Quijano-Campos (London, United Kingdom), Neha Sekhri, Muhunthan Thillai, Elizabeth Blower, Herbert Clarke, Elizabeth Murphy, Lawrence Othen-Price, Joanna Whight, Julie Sanders
- PA2292** **Counselling and consenting patients to start nintedanib for progressive pulmonary fibrosis (PPF) in a group setting: results from a patient feedback survey**  
Katie Zakis (Manchester, United Kingdom), Helen Morris, Jenna Swale, Annie Barker, Rebecca Waye, Kate Newman, Theresa Garfoot, Holly Montgomery, Pilar Rivera-Ortega, Janet Johnston, Conal Hayton
- PA2293** **The cost-effectiveness of counselling and consenting patients to start nintedanib for progressive pulmonary fibrosis (PPF) in a group setting: early experiences from a UK tertiary centre**  
Katie Zakis (Manchester, United Kingdom), Helen Morris, Jenna Swale, Annie Barker, Rebecca Waye, Kate Newman, Theresa Garfoot, Holly Montgomery, Pilar Rivera-Ortega, Janet Johnston, Conal Hayton
- PA2294** **Patient perspectives on outgoing COPD specialist function at the hospital**  
Helle Marie Christensen (Tommerup, Denmark), Camilla Bjerre Andersen
- PA2295** **Alpha-1 Antitrypsin Deficiency Patients' Experiences with Self-Administering Intravenous Treatment**  
Nanna Vendelboe Gregersen (Aarhus N, Denmark), Birgit Refsgaard
- PA2296** **Lifestyle Influence on Spirometry in Survivors of Childhood Acute Lymphoblastic Leukemia: A Comparative Study**  
Anne Marie Ryberg (Aarhus, Denmark), Dortha Hausted, Sonja Izquierdo Riis Meyer, Sune Leisgaard Mørk Rubak
- PA2297** **The experience of people with idiopathic pulmonary fibrosis living through the Covid-19 pandemic**  
Noelle Ryan (Limerick, Ireland), Aidan O' Brien, Brian Casserly, Pauline Meskell
- PA2298** **A review of pulmonary fibrosis patients experience of the advanced nurse practitioner satellite clinic. McInerney, C., Ryan, P., Cullinan, M., O'Brien, A. Department of Respiratory Medicine, University Hospital Limerick Group, Ennis and Nenagh Hospitals**  
Carmel McInerney (Ennis, Ireland)
- PA2299** **Feasibility of an integrative multidimensional palliative care intervention for patients with pulmonary fibrosis (MuST-PF)**  
Lian Trapman (Zoelmond, Netherlands), Lea Dijkman, Saskia Teunissen, Everlien De Graaf, Jan Grutters
- PA2300** **Impact of nutritional status on quality of life and inflammation in patients with bronchiectasis**  
Leticia Bueno Freire (Barcelona, Spain), Patricia Oscanoa, Nestor Soler, Rubén López-Aladid, Sara Castro-Barquero, Ana María Ruiz-León, Blanca Llonch, Anna Motos, Federica Piedepalumbo, Miquel Ferrer, Rosa Casas, Ramón Estruch, Laia Fernández-Barat\*, Antoni Torres\*
- PA2301** **Effect of Pranayama Yoga on Symptoms, Fatigue and Respiratory Parameters in Individuals with COPD**  
Selman celik (Istanbul, Turkey), Sıdıka Oguz, Huriye Berk Takır

PS-2 Session 232 08:00 - 09:30

## Poster session: Improving models of care for chronic respiratory disease

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

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

Chairs : Sarah Houben-Wilke (Horn, Netherlands), Frits M.E. Franssen (Maastricht, Netherlands)

- PA2302** **Comprehensive review of interstitial lung disease (ILD) specialised service provision and workforce in England**  
Mariam Naqvi (London, United Kingdom), Rosie Boorsma, Joshua Burrough, Laura Fabbri, Janine Hood, Lyndsey Langlands, Alexandra Lawrence, Kathleen Leceuvre, Jenny Lynch-Wilson, Carmel McInerney, Kerry Mills, Sarah Mulholland, Geeta Vekaria, Nazia Chaudhuri, Lisa Spencer, Alex West
- PA2303** **Can interstitial lung disease (ILD) be managed in local respiratory services?**  
Mariam Naqvi (London, United Kingdom), Joanne Dallas, Alex West
- PA2304** **Patient experience of community-based asthma & COPD management in an integrated care hub.**  
Feargal Helly (Dublin, Ireland), Jehangir Kahn, Joseph Kerins, Patricia Davis, Rachel Anglin, Joyce O'Hara, Alessandro Franciosi

- PA2305** **Evaluation of the nationwide implementation of „Living well with COPD” self-management program in Switzerland**  
Anja Frei (Zürich, Switzerland), Julia Kopp, Claudia Steurer-Stey, Kaba Dalla Lana, Thomas Graf, Isabelle Peytremann-Bridevaux, Milo Alan Puhan
- PA2306** **Predictors of caregiver burden due to chronic breathlessness: an exploratory study**  
Slavica Kočovska (Wollongong, Australia), Diana Ferreira, Sungwon Chang, Tim Luckett, Jessica Roydhouse, Magnus Ekstrom, David Currow
- PA2307** **Coping better, breathing better: exploring the impact of a multidisciplinary, home-based program targeting chronic breathlessness in patients with COPD**  
Belinda Cochrane (Sydney (NSW), Australia), Mohmedsaqib Akhunji, Teresa Kemp, Jonathan Lee, Sheree Smith, Tracy Smith
- PA2308** **COPD palliative and supportive care: an evaluation of a multidisciplinary blended learning training program**  
Els Verschuur (Amersfoort, Netherlands)
- PA2309** **Patients' expectations regarding end-of-life care in advanced respiratory diseases**  
Abdelkrim Khannous (Agadir, Morocco), Fatiha Bounoua, Selma Abdala, Hind Serhane
- PA2310** **The Current Situation and Perspectives of long-term oxygen therapy and home mechanical ventilation: Physician survey in Japanese White Paper on Home Respiratory Care 2024**  
Satoshi Hamada (Kyoto, Japan), Jun Ueki, Emika Sano, Hiroo Wada, Keiko Hino, Susumu Sato, Tomomasa Tsuboi, Toyohiro Hirai
- PA2311** **Japanese White Paper on Home Care for Patients with Respiratory Failure 2024: Insights from Surveys on patients and caregivers**  
Megumi Ikeda (Chiba, Japan), Jun Ueki, Satoshi Hamada, Emika Sano, Hiroo Wada, Keiko Hino, Susumu Sato, Tomomasa Tsuboi, Toru Oga, Hajime Kurosawa, Kazuyo Toyama, Toyohiro Hirai
- PA2312** **Challenges in Invasive Home Mechanical Ventilation for ALS Patients**  
Carla Margarida Carvalho (Guimarães, Portugal), Ana Rita Pedroso, Sara Campos Silva, Ana Luísa Vieira
- PA2313** **Smartphone and wearable monitor use and preferences among older adults**  
Patricia Koff (Palm City, United States), Fernando Diaz Del Valle, Sung-Joon Min, R. William Vandivier
- PA2314** **Adherence enhancing interventions for pharmacological and oxygen therapy in patients with COPD: a systematic review and component network meta-analyses**  
Maximilian Zimmermann (Köln, Germany), Omar Ammous, Stefan Andreas, Tim Friede, Regina Kampo, Doreen Kroppen, Sarah Bettina Stanzel, Maximilian Wollsching-Strobel, Susanna Salem, Wolfram Windisch, Tim Mathes
- PA2315** **Cumulative dispensing of oral corticosteroids over 12 months in COPD**  
Angela Burge (Pahran, Australia), Narelle Cox, Simone Dal Corso, Arwel Jones, Fahrayhansyah Faqih, Anne Holland
- PA2316** **Disparity between spacer prescribing in secondary and primary care: An Audit**  
Holly Hathaway (Brighton, United Kingdom), Aazaz Rehman, Ketan Patel, Neel Sharma
- PA2317** **APPRENTICESHIP OF INHALER TECHNIQUE BY VIDEO FEEDBACK**  
Frédéric Hérengt (Dieulefit, France), Marylise Ginoux, Nathalie Porcel, Daniel Veale
- PA2318** **Predictors of an acute COPD exacerbation (the PACE-trial) – preliminary results from the EXACT diary**  
Daniela Leitl (Schoenau a. Koenigssee, Germany), Daniela Kroll, Rainer Gloeckl, Tessa Schneeberger, Inga Jarosch, Wolfgang Hitzl, Carmen Schade-Brittinger, Claus F. Vogelmeier, Klaus Kenn, Andreas R. Koczulla
- PA2319** **RE-SAMPLE Platform for training and use of COPD exacerbation risk prediction models**  
Gesa Wimberg (Kaiserslautern, Germany), Albert Acebes, Serge Autexier, Marjolein Brusse-Keizer, Agni Delvinioti, Thrasyvoulos Giannakopoulos, Christiane Grünloh, Florian Hahn, Rain Jögi, Christos Kalloniatis, Konstantina Kostopoulou, Sofoklis Kyriazakos, Kostas Lamprinoudakis, Jakob Lehmann, Danae Lekka, Anke Lenferink, Federico Mazzone, Giulio Pagliari, Stefano Patarnello, Aristodemos Pnevmatikakis, Jarno Raid, Monique Tabak, Job Van Der Palen
- PA2320** **Standardized care plan for patients with COPD in Long-term non-invasive ventilation in a home setting**  
Line Storgaard (Aabybro, Denmark), Anne-Mette Meldgaard, Ulla Møller Weinreich
- PA2321** **New Respiratory Rapid Access Service reduces ED presentations and hospital admissions.**  
Emily Lawton (Adelaide, Australia), Phan Nguyen, Mary Young, Nicole Jones, Paul Reynolds

PS-20

Session 233

08:00 - 09:30

Poster session: Pulmonary function tests: advanced technology and improved quality control for better patient care

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

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

**Chairs :** Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom), Justine Van den Hengel (Leusden, Netherlands)

**PA2322** **Is the Forced Oscillation Technique a suitable surrogate for more volitional lung function testing in COPD?**  
Ella O'Neill (Cambridge, United Kingdom), Ben Knox-Brown, Jonathan Fuld, Karl P Sylvester

**PA2323** **The DLNO/DLCO ratio: Can it be clinically used?**  
Gerald Zavorsky (Davis, United States)

**PA2324** **Unlocking the promise of digital inhalers: Insights from an in-vitro study**  
Yannick Baschung (kaiseraugst, Switzerland), David Ney Gonzalez, Martijn Grinovero, Luca Ponti, Cristina Cova, Valeria Sesana, Marco Franza, Mauro Citterio

**PA2325** **Comparison of different agents for bronchial challenge tests**  
Miranda Sam - Spitteler (Dronten, Netherlands), Irene Steenbruggen, H P Grotjohan

**PA2327** **Less is more... comparison of two repeatability protocols for diffusing capacity (DLCO).**  
M. Huynh (Rotterdam, Netherlands), Monique Wapenaar, Ton Provily, Maartje Horstman, Leonard Seghers

**PA2328** **Comparing Fowler and Cotes dead space methods during single breath gas transfer.**  
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Karl Sylvester

**PA2329** **Evaluation of loaded ramp testing times during cardiopulmonary exercise testing (CPET).**  
Sara McArthur (Edinburgh (Edinburgh), United Kingdom), Shaun Baxter, Jill Macleod, Kristofor Cuthbert

**PA2330** **A comparison of spirometry performed with two different methods**  
Liv Karin Vesteng (Jessheim, Norway), Anita Grongstad, Christine Gudim Karlsen

**PA2331** **Performing body plethysmography with low breathing frequency (< 0.5 Hz) vs. breathing frequency 0.5-1.0 Hz.**  
Jan Bouwman (Haren GN, Netherlands), Sonja Augustijn, Marlies Van Dijk

**PA2332** **Quality Assurance in a Respiratory Laboratory: How compliant are you?**  
Calvin Apen (Doncaster (South Yorkshire), United Kingdom), Muhammad Khan

**PA2333** **Six-year review of a spirometry quality control program utilized across British Columbia, Canada**  
Carl Mottram (Hayfield, United States), Teresa Mccaskill, Navdeep Rakhra, Susan Blonsine

**PA2334** **A Quality Assurance Review Model for Pulmonary Function – The Royal Papworth Method**  
Holly Le Winton (Cambridge, United Kingdom), Lucy Robertson, Joshua Barnes, Karl Sylvester

**PA2335** **Detection of a common method for undermining the evaluation of full inflation in a clinical trial for asthma**  
Kevin McCarthy (Matthews, United States), Phil Lake

**PA2336** **Is a close follow-up program crucial for treatment adherence in patients with obstructive sleep apnea syndrome (OSAS)?**  
Linn-Betina Weflen Wold (Jessheim, Norway), Anita Grongstad, Nils Henrik Holmedahl, Christine Gudim Karlsen

**PA2337** **Z-score vs percentage of predicted value: how they perform in preoperative functional assessment?**  
Kristian Brat (Brno, Czech Republic), Ivan Cundrle Jr.

**PA2338** **Body plethysmography and its relationship with maximum respiratory pressures and forced vital capacity in post-covid 19 patients Colombia**  
JOHN CASTILLO (PALMIRA, Colombia), Julián Andrés Rivera Motta, Diana Carolina Zambrano Rios, Andrés Jenuer Matta Miramar, Lina Marcela Orozco Mejía

**PA2339** **Late Breaking Abstract - Engineering an AI-base mesh nebulizer system for personalized respiratory drug delivery.**  
Chen-En Chiang (New Taipei city, Taiwan), Jun-Chen Wu, Hui-Ling Lin, Li-Chung Chiu, Chih-Tung Liu, Ya-Fang Liu, Megha Jhunjhunwala, Chi-Shuo Chen

PS-21

Session 234

08:00 - 09:30

**Poster session: Navigating the journey of adult cystic fibrosis: past and future perspectives**

**Disease(s) :** Airway diseases

**Method(s) :** General respiratory patient care Cell and molecular biology Pulmonary function testing Pulmonary rehabilitation

**Chairs :** Chiara Premuda (Milano, Italy), Pilar Azevedo Cardim (Lisboa, Portugal)

- PA2340** **Phage and antibiotic combination therapy reduces bacterial growth of multidrug resistant CF derived *P. aeruginosa***  
Renee Ng (Perth, Australia), Barbara Chang, Stephen Stick, Anthony Kicic
- 
- PA2341** **Novel nebulized phage cocktail in CF patients with chronic *P. aeruginosa* pulmonary infection: a Ph1b/2a randomized, double-blind, placebo-controlled trial**  
Urania Rappo (Cambridge, United States), Iris Maimon, Ariel Cohen, Edith Kario, Jenia Gold, Hadas-Tamar Nevenzal, Inbal Levy-Saar, Tal Cohen, Iddo N. Weiner, Hila Sberro Livnat, Ilya Veinberg Slutskin, Jagoda Jablonska, Ron Mordoch, Tim Axelrod, Ori Bahar, Nufar Buchshtab, Vered Lev, Yaron Tzur, Yulia Zarchin, Myriam Golembo, Regis Vilchez, Eitan Kerem, Merav Bassan
- 
- PA2342** **Longitudinal follow up of people with cystic fibrosis who discontinued mucoactive therapy during CFTR modulator treatment**  
Saeeda Lone - Latif (Amsterdam, Netherlands), Paulien Linders, Els Weersink, Josje Altenburg
- 
- PA2344** **Non-invasive pathogen detection in the airways of patients with Cystic Fibrosis**  
Emma Nessen (Amsterdam, Netherlands), Belle Toussaint, Joël Israëls, Eric Haarman, Jane Davies, Josje Altenburg, Els Weersink, Paul Brinkman, Anke-Hilse Maitland-Van Der Zee
- 
- PA2346** **Is the glittre-ADL test more effective than the 6-minute walk test for evaluating adults with cystic fibrosis?**  
Isabela Aziz (Niteroi, Brazil), Claudia Da Costa, Isabela Serpa, Vera Abelenda, Monica Firmida, Raphael Jaber, Agnaldo Lopes
- 
- PA2347** **Clinical Features and Outcomes of Cystic Fibrosis related Liver Transplantation in a National Transplant Centre**  
Jack McCarthy (Dub, in, Ireland), Edward Mckone, Audrey Dillon, Mary Menamee, Billy Griffin
- 
- PA2348** **Lung Clearance Index in adult patients with atypical Cystic Fibrosis and normal FEV1**  
Almudena Felipe Montiel (Barcelona, Spain), Antonio Álvarez Fernández, Laia Verdejo Salvador, Letizia Traversi, Clara Pons Boyero, Karina Loor Reyes, David Clofent Alarcón, Mario Culebras Amigo, Eva Polverino
- 
- PA2349** **Impact of CFTR modulator therapy in the Cystic Fibrosis microbiome - a retrospective study**  
Letícia Pavão Balanco (Ribeira Grande, Portugal), Chantal Cortesão, Jessica Cemlyn-Jones, Fernanda Gamboa
- 
- PA2350** **Impact of CFTR Modulator Therapy on inflammatory response in Cystic Fibrosis: A longitudinal Cohort Analysis**  
Andrew England (Belfast, United Kingdom), Stuart Elborn, Gisli Einarsson, Giulia Spoletini, Ian Clifton, Barry Devereux, Michael Tunney, Daniel Peckham
- 
- PA2351** **The association of bone mineral density and body composition, lung functions and functional exercise capacity in adults with cystic fibrosis.**  
aynur demirel (ankara, Turkey), Aysu Yalman, Oğuz Karcioğlu, Ebru Damadoglu, Naciye Vardar Yaglı
- 
- PA2352** **Impact of triple Cystic Fibrosis Transmembrane regulator (CFTR) modulator on bone density in Cystic Fibrosis (CF): a retrospective cohort analysis**  
Tom Forshall (London, United Kingdom), Lucy Carson, Samantha Henman, Uta Hill
- 
- PA2353** **Lung health and pregnancy in the cystic fibrosis (CF) modulator era**  
Aleksandra Duffy (Newcastle upon Tyne, United Kingdom), Stephen J. Bourke, Simon Williams, Tiffanee Shears, Susan Parker, Simon Doe, Carlos Echevarria
- 
- PA2354** **Pregnancy outcomes in CF before and after introduction of CFTR gene modulator therapy**  
Ruth Cade (Manchester (Greater Manchester), United Kingdom), Rebecca Watson, Mahin Ahmed, Dilip Nazareth, David Cox, Dyan Dickins, Fiona Howie
- 
- PA2355** **Evaluation of treatment satisfaction and related factors in adult cystic fibrosis patients**  
Esen Deniz Akman Ar (Ankara, Turkey), Nadir Yalcın, Duygu Aydın, Ebru Damadoglu, Ali Fuat Kalyoncu, Kutay Demirkan

PS-22

Session 235

08:00 - 09:30

**Poster session: Tuberculosis treatment and management updates****Disease(s) :** [Airway diseases](#)**Method(s) :** Public health Epidemiology General respiratory patient care Imaging**Chairs :** Olha Konstantynovska (Kharkiv, Ukraine), Liga Kuksa (Dobele, Latvia)

- PA2356** **Preliminary results of 24-36 weeks of bedaquiline, delamanid, clofazimine and pyrazinamide for the treatment of MDR/RR-TB.**  
liu yidian (shanghai, China), Sha Wei, Wang Hua, Gong Weiliang, Zeng Zhong
- 
- PA2357** **Effect of Upfront use of combined bedaquiline and delamanid based regimen in Pre -XDR Pulmonary Tuberculosis**  
Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Shushma Yadav, Surya Kant, Ajay Verma, Darshan Bajaj



- PA2358 Post-Bedaquiline era in Brazil: impact on adverse events and treatment outcomes.**  
Ana Paula Santos (Rio De Janeiro (RJ), Brazil), Cristovão Jorge Benace Junior, Janaina Aparecida De Medeiros Leung, Fernanda Carvalho De Queiroz Mello
- 
- PA2359 Effectiveness of a comprehensive package based on electronic medication monitors at improving treatment outcomes among tuberculosis patients in Tibet: a multi-centre randomised controlled trial**  
Xiaolin Wei (Toronto, Canada), Joseph Paul Hicks, Zhitong Zhang, Victoria Haldane, Pande Pasang, Linhua Li, Tingting Yin, Bei Zhang, Yinlong Li, Qiuyu Pan, Xiaoqiu Liu, John Walley, Jun Hu
- 
- PA2360 Hyponatremia and treatment outcomes in patients with tuberculosis**  
Hong-Joon Shin (Gwangju, Republic of Korea), Chan-Woo Park, Yong-Soo Kwon
- 
- PA2361 Assessment of the effect of vitamin D levels in patients with pulmonary tuberculosis on the clinical course of the disease**  
Inga Yeremenchuk (Chernivtsi, Ukraine), Liliia Todoriko, Yana Toderika
- 
- PA2362 Multidrug resistant tuberculosis (MDR-TB) incidence in close contacts of pulmonary MDR-TB index cases in East London - a retrospective study**  
Nicola Smallcombe (London, United Kingdom), Ricardo de Luca e Tuma, Amina Jama, Susan Dart, Veronica White, Christabelle Chen, Heinke Kunst
- 
- PA2363 Clinical features and prognosis of 206 children with pulmonary tuberculosis**  
Huimin Li (Beijing, China)
- 
- PA2364 Impact of COVID-19 pandemic on clinical aspects of tuberculosis inpatients**  
Rita Vasconcelos Rodrigues Pereira (Cinfães, Portugal), Tiago Ramalho, Maria João Moura, Joana Lourenço, Marcia Araujo, Sara Dias, Ana Luísa Fernandes, Valquiria Alves, Barbara Seabra
- 
- PA2365 The Prevalence of Polyneuropathy Among Patients with Drug-Resistant Tuberculosis and Concomitant Diabetes Mellitus. The Modifying Effect of Comorbidity on Tuberculosis Treatment Quality**  
Iryna Makoida (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Iryna Kostitska, Olga Molodovets, Olga Melnyk-Sheremeta, Oleksandr Varunkiv, Alla Zuban, Nadiia Korzh, Uliana Shevchuk-Budz
- 
- PA2366 Features of the BPaL triage routine practice algorithm in Bit-TB regions of Ukraine**  
Nataliia Lytvynenko (Київ, Ukraine), Maryna Pogrebna, Kyryl Stekhin, Iana Terleeva, Olesya Medvedieva, Darya Levandovska, Yuliia Shpak, Viktoriya Yatsenko, Nataliia Voronina, Svitlana Tiahlo, Ruslana Tupyshak, Oleksandr Zubal, Liana Kovtunovych, Sergii Samchenko, Yurii Gamazin
- 
- PA2367 TB severity during COVID-19 pandemic in patients admitted in a tertiary clinic for lung diseases in Romania**  
Emilia Tabacu (Bucuresti (Sector 5), Romania), Traian Constantin Panciu, Dragos Baiceanu, Diana-Sabina Tiba, Simona-Maria Rosu, Ioana Dedyszyn, Silviu Mihail Dumitru, Elmira Ibrahim, Dragos Cosmin Zaharia, Irina Strambu, Beatrice Mahler
- 
- PA2368 Rifampicin-resistant tuberculosis in Spain. Description of a patients cohort.**  
Jose Maria Garcia Garcia (Candas (Asturias), Spain), María Teresa Rodrigo Sanz, José Antonio Gullón Blanco, Xavier Casas García, Joan Pau Millet Vilanova, Sarai Quirós Fernández, Elena Martínez Robles, Alberto Mangas Moro, Miguel José Martínez Lirola, Ángel Domínguez Castellano, Enrique Navas Elorza, Magnolia Nieto Marcos, Francisco Sanz Herrero, Francesc Arasa Panisello, Isabel Suárez Toste, José Joaquín Cebrián Gallardo, Manuel García Cabrera, Pilar Bermúdez Ruiz, Luis Adolfo Urrelo Cerrón, Sofía Samper Blasco, José Antonio Caminero Luna, Tuberculosis Members Of Separ Tuberculosis Research Programme
- 
- PA2369 Multidrug-resistant tuberculosis and treatment outcomes in Kazakhstan, Moldova, Ukraine, Georgia, and Kyrgyzstan**  
Dmytro Butov (Kharkiv, Ukraine), Tetiana Butova, Alex Rosenthal, Andrei Gabrielian, Ole Skouvig Pedersen, Victor Naestholt Dahl, Mykhailo Kuzhko, Sergo Vashakidze, Natalia Shubladze, Bekzat Toxanbayeva, Lyailya Chingissova, Valeriu Crudu, Nelly Ciobanu, Gulmira Kalmambetova, Gulbarchyn Saparova, Alina Grinev, Michael Hoppes, Julia Kilmnick, Nadiya Sapelnik
- 
- PA2370 6- and 12-month follow-up results after successful BPaL treatment for DR-TB patients in Ukraine**  
Nataliia Lytvynenko (Київ, Ukraine), Yurii Feshchenko, Maryna Pohrebna, Yuliia Senko, Anastasiia Lafeta, Rostyslav Liubevych, Mariia Diachenko, Veriko Mirtskhulava, Salah Foraida, Gunta Dravniece, Olena Pavlenko, Oleksii Kosyvchenko, Yana Terleieva, Yurii Gamazin
- 
- PA2371 Multidrug-resistant tuberculosis and diabetes mellitus**  
Lilia Todoriko (Chernivtsi, Ukraine), Ihor Semianiv, Inga Yeremenchuk, Olena Pidverbetska
- 
- PA2372 Therapeutic outcomes of Bedaquiline containing oral regimens for Drug resistant tuberculosis**  
VIJAY KUMAR (Varanasi, India), Upinder Kaur, Mohit Bhatia, Jai Krishn Mishra

- PA2373** **The effectiveness of pulmonary tuberculosis treatment during the COVID-19 pandemic**  
Ruzilya Usmanova (Tashkent, Uzbekistan), Nargiza Parpieva, Irina Liverko, Ilhomjon Butabekov, Revaz Kokhodze, Yuliya Dolgusheva, Mahliyo Muhamedova, Sharaf Yuldashev, Khasan Safaev

PS-23

Session 236

08:00 - 09:30

**Poster session: State of the art in bronchiectasis****Disease(s) :** **Airway diseases****Method(s) :** General respiratory patient care Epidemiology Cell and molecular biology**Chairs :** Victoria Alcaraz-Serrano (vilafranca del penedes, Spain), Antoni Torres Marti (Barcelona, Spain)

- PA2374** **Use of bronchodilators in bronchiectasis: data from EMBARC**  
Mattia Nigro (Milan, Italy), Eva Polverino, Megan Crichton, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pierre Régis Burgel, Charles Haworth, Michael Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, J. Stuart Elborn, Pieter Goeminne, James Chalmers, Stefano Aliberti

- PA2375** **Highly symptomatic patients have an increased risk of exacerbations and benefit from long-term macrolide treatment in Bronchiectasis**  
Oriol Sibila Vidal (Barcelona, Spain), Jamie Stobo, Lidia Perea, Yong-Hua Gao, Arietta Spinou, Eva Polverino, Felix Ringshausen, Montserrat Vendrell, Pierre-Régis Burgel, Charles S Haworth, Michael R Loebinger, Natalie Lorent, Raja Dhar, Hayoung Choi, Sanjay Chotirmall, John R Hurst, Jeremy S Brown, Melissa Mcdonnell, Menno Van Der Eerden, Paula Kauppi, Emma D Johnson, Rosario Menendez, Katerina Dimakou, Apostolos Bossios, Megan L Crichton, Antoni Torres, Tobias Welte, Francesco Blasi, Michal Shteinberg, Stuart J Elborn, Pieter C Goeminne, Stefano Aliberti, Lata Jayaram, Noel Karalus, Steven L Taylor, Megan L Martin, Lucy D Burr, Conroy Wong, Anthony De Soyza, Lotte Terpstra, Josje Altenburg, Wim Boersma, James D Chalmers

- PA2376** **Macrolides versus inhaled antibiotics to prevent exacerbations in adults with bronchiectasis: results from a network meta-analysis.**  
Mattia Nigro (Milan, Italy), Megan L. Crichton, Thomas Vandendriessche, James D. Chalmers, Stefano Aliberti

- PA2377** **Pediatric-onset bronchiectasis exhibits greater severity than adult-onset bronchiectasis.**  
Luai Khalaili (Haifa, Israel), Nili Stein, Raya Cohen, Yochai Adir, Rafea Zoubi, Michal Shteinberg

- PA2378** **Microbiology of Bronchiectasis in stable state and exacerbation: data from the EMBARC bronchiectasis registry.**  
Fiona Mosgrove (Banchory, United Kingdom), Eva Polverino, Megan L Crichton, Felix C Ringshausen, Anthony Desoyza, Montserrat Vendrell, Pierre-Regis Burgel, Charles S Hayworth, Michael R Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam T Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, Stuart J Elborn, Pieter C Goeminne, Stefano Aliberti, James D Chalmers

- PA2379** **Characterising patients with bronchiectasis and persistently negative sputum cultures: data from the European Bronchiectasis Registry EMBARC.**  
Fiona Mosgrove (Banchory, United Kingdom), Eva Polverino, Megan L Crichton, Felix C Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pierre-Regis Burgel, Charles Haworth, Michael Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, Stuart Elborn, Pieter Goeminne, Stefano Aliberti, James D Chalmers

- PA2380** **Steady state signs and symptoms of bronchiectasis in an Italian multicentre cohort: the 4S study**  
Mattia Nigro (Milan, Italy), Edoardo Simonetta, Alessandro De Angelis, Veronica Polelli, Salvatore Battaglia, Francesco Blasi, Martina Bonifazi, Raffaele Campisi, Marianna Cicchetti, Vittoria Comellini, Valentina Conio, Claudia Crimi, Claudia Duranti, Andrea Gramegna, Donato Lacedonia, Martina Lo Casto, Martina Marchello, Lucrezia Pisanu, Michela Salvemini, Mariarosaria Vulpi, Stefano Aliberti

- PA2381** **The impact of bronchiectasis and its severity on long-term renal outcomes**  
Wang Chun Kwok (Hong Kong, Hong Kong), Terence Chi Chun Tam, James Chung Man Ho, David Chi Leung Lam, Mary Sau Man Ip, Desmond Yat Hin Yap

- PA2382** **Pulmonary exacerbations in patients with primary ciliary dyskinesia – A prospective multicenter study**  
Pinelopi Anagnostopoulou (Nicosia, Cyprus), Panayiotis Kouis, Dilber Ademhan, Sarah Altaraihi, Simona Basilicata, Melissa Borrelli, Hatice Nur Coemert, Renato Cutrera, Nagehan Emiralioğlu, Ela Erdem, Yasemin Gokdemir, Serena Grazi, Elpis Hatziaorou, Simone Helms, Bulent Karadag, Debora Maj, Marcus Mall, June K Marthin, Nicos Middleton, Antonio Moreno-Galdó, Ugur Özçelik, Massimo Pifferi, Johanna Raidt, Jobst Röhmel, Sandra Rovira Amigo, Nicola Ullmann, Niklas Zieghan, Kim G Nielsen, Heymut Omran, Panayiotis Yiallourou

- PA2383** **Are we speaking the same language? Nomenclature differences between patients and healthcare providers describing aspects of bronchiectasis: a latent content analysis**  
Jennifer Kilduff (London, Ireland), Anand Shah, William Man, Ruth Barker

- PA2384 Bronchiectasis and Airway Microbiota: a monocentric descriptive study**  
Anna Lou Christe (Losone, Switzerland), Georgia Mitropoulou, Yangji Choi, Onya Opota, Christophe Von Garnier, Claire Bertelli, Jessica Mazza-Stalder
- PA2385 The profile of blood methylation is associated with disease severity in bronchiectasis**  
Lidia Perea (Barcelona, Spain), Julieta Viglino, Belén Solarat, Núria Mendoza, Sandra Casas-Recasens, Pilar Martínez-Olondris, Pau Marrades, Rosanel Amaro, Alvar Agustí, Amelia Shoemark, James D Chalmers, Oriol Sibila, Rosa Faner
- PA2386 Sputum metagenomics of people with bronchiectasis**  
Ilona Rosenboom (Hannover, Germany), Ajith Thavarasa, Hollian Richardson, Merete B. Long, Lutz Wiehlmann, Colin F. Davenport, Amelia Shoemark, James D. Chalmers, Burkhard Tümmler
- PA2388 Clinical features of bronchiectasis according to age in the US Bronchiectasis Research Registry**  
Pamela J. McShane (Tyler, United States), Nicholas Locantore, Radmila Choate, Doreen Adrizzo-Harris, Kunal Jakharia, Marcos Restrepo, Amanda Brunton, Mark Metersky, Tim Aksamit
- PA2389 Pseudomonas aeruginosa virulence factors and immune response during exacerbations and stable phase in bronchiectasis.**  
Federica Viola Piedepalumbo (Milano, Italy), Roberto Cabrera, Leticia Bueno-Freire, Nil Vázquez, Nona Rovira-Ribalta, Alba Soler-Comas, Patricia Oscanoa, Marco Mantero, Francesco Blasi, Antoni Torres, Laia Fernández-Barat
- PA2390 Post TB Bronchiectasis: a distinct phenotype**  
Raja Dhar (Kolkata (West Bengal), India), Eva Polverino, Sheetu Singh, Megan Crichton, Deepak Talwar, Felix Ringshausen, Murali Mohan, Anthony De Soyza, Suryakant Tripathi, Montserrat Vendrell, Rajesh Swarnakar, James D Chalmers
- PA2391 Aetiologies and outcomes of pediatric-onset bronchiectasis in adults: data from the EMBARC registry**  
Michal Shteinberg (Haifa, Israel), Stuart Elborn, Stefano Aliberti, Pieter Goemmine, Eva Polverino, Megan Crichton, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Charles Haworth, Michael Loebinger, Katerina Dimakou, Marlene Murriss, Adam Hill, Rosario Menendez, Antoni Torres, Josje Altenburg, Wim Borsma, Pierre-Regis Burgel, Francesco Blasi, James Chalmers
- PA2392 Functional antibody response to pneumococcal (PNE) and Haemophilus influenzae type B (HiB) vaccination in bronchiectasis (BE): data from the EMBARC registry.**  
Letizia Traversi (Cittiglio, Italy), Eva Polverino, Michal Shteinberg, Montserrat Vendrell, Katerina Dimakou, Felix Ringshausen, Pierre Regis-Burgel, Charles Haworth, Michael Loebinger, Anthony De Soyza, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Pieter Goeminne, Stefano Aliberti, James Chalmers

PS-24

Session 237

08:00 - 09:30

## Poster session: Mechanistic studies in respiratory infection

Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : Translational

Chairs : Amelia Shoemark (Dundee (Angus), United Kingdom), Stefano Aliberti (Milano (MI), Italy)

- PA2393 Acetate inhibits Pseudomonas aeruginosa growth and reduces inflammatory responses to infection in primary human lung tissue ex vivo**  
Franziska Dahlmann (Hannover, Germany), Valerie Beneke, Sven Cleeves, Hannah Kiefer, Andrew Tony-Odigie, Christopher Werlein, Lavinia Neubert, Patrick Zardo, Danny Jonigk, Hans-Gerd Fieguth, Armin Braun, Alexander Dalpke, Katherina Sewald
- PA2394 Interactions of Staphylococcus aureus and polystyrene on 2D minilung infection model**  
Iris Romero (Barcelona, Spain), Irene Chamorro, Alberto Zambrano, Alba Hernández, Jose Domínguez, Alicia Lacoma
- PA2395 Unraveling the role of  $\alpha$ -(1,2)-fucosylation in bacterial pneumonia**  
Cengiz Goekeri (Berlin, Germany), Sebastian Schickinger, Alina Nettesheim, Kerstin Linke, Leila Bechtella, Gaël Vos, Elena Lopez-Rodriguez, Vladimir Gluhovic, Anne Voß, Sandra Kunder, Jade Bath, Katharina Ribbeck, Kevin Pagel, Achim Gruber, Matthias Ochs, Peter Seeberger, Martin Witzernath, Geraldine Nouailles
- PA2396 The impact of differential nutrient availability during acute lung injury on Pseudomonas aeruginosa growth**  
Jennifer Baker (Ypsilanti, United States), Thomas Flott, Laura McLellan, Nicole Falkowski, Gary Huffnagle, Kathleen Stringer, Robert Dickson
- PA2397 Unveiling the Mechanisms of Chlamydia-Induced Neutrophilic Airway Inflammation**  
Dóra Paróczai (Deszk, Hungary), Dezső Virok, Valéria Endrész, Zoltán Szabó, Tamás Janáky, Katalin Burián

- PA2398** **Late Breaking Abstract - IL-33 signalling pathway biomarkers in severe viral lower respiratory tract disease: interim results from the prospective, observational UNIVERSAL study**  
Kristoffer Ostridge (Vallda, Sweden), Giovanna De Palo, Tommaso Morelli, Ian Scott, Adnan Azim, Zach Brohawn, Aoife Kelly, Paul Lee, Giuseppe Palladino, Adam Platt, Martha Purcell, Kerena Thorne, Tom Wilkinson
- PA2399** **Effect of hyperglycemia and angiotensin-like-4 on pneumolysin-induced pulmonary barrier dysfunction**  
Birgitt Gutbier (Berlin, Germany), Yadong Wang, Laura Kneller, Timothy J Mitchell, Martin Witzenth
- PA2400** **RSV infection in mice is associated with features of lung fibrosis by histochemistry, micro-CT imaging and large scale 3D-microscopy**  
Roberto P. Garofalo (Galveston, United States), Teodora Ivanciuc, Igor Patrikev, Lorenzo Ochoa, Massoud Motamedi, Gracie Vargas, Antonella Casola
- PA2401** **Development of a method for the isolation and purification of anti-IFN-gamma interferon autoantibodies and quantitative detection**  
Xidong Wang (Guangzhou, China), Yangqing Zhan, Shaoqiang Li, Yan Wang, Zhengtu Li, Feng Ye
- PA2402** **The role of effector T cells in the course of COVID-19 in different waves of the pandemic**  
Elżbieta Rutkowska (Warsaw, Poland), Iwona Kwiecień, Agata Raniszewska, Krzysztof Kłos, Piotr Rzepecki, Andrzej Chciałowski
- PA2403** **Interventions for breathlessness post Covid-19: a systematic review and meta-analysis**  
Saja Almulhim (Leicester, United Kingdom), Thomas Ward, Rachel Lardner, Anton Pick, Gillian Doe, James Manifold, Pip Divall, Enya Daynes, Sally J Singh, Rachael A Evans
- PA2404** **HMGB1 and Metabolic Pathways in Acinetobacter baumannii Severe Pneumonia: An Associative Study**  
Qianyue Yang (Guangzhou, China), Mingshan Xue, Zhiwei Lin, Baoqing Sun
- PA2405** **Evaluation of immunosuppression in a murine model of respiratory syncytial virus infection**  
Louise Haste (Bedford (Bedfordshire), United Kingdom), Natasha Scott, Alistair Ballantine, Stephen Jordan
- PA2406** **Impact of TMPRSS2 polymorphism on severity of COVID-19**  
Ashok Kumar (Karachi, Pakistan), Santosh Kumar
- PA2407** **Determination of both the expression and serum levels of EGF and TGFβ1 genes in SARS-CoV-2**  
Pınar Yıldız Gülhan (Düzce, Turkey), Recep Eröz, Cihadiye Elif Öztürk, Dilek Yekenkurul, Hasan Baki Altınsoy, Ege Güleç Balbay, Merve Erçelik, Fatih Davran, Şeyma Yıldız
- PA2408** **The Role of Human F3/TF (TISSUE FACTOR) In The Thrombotic Complications In Pneumonia**  
Kseniia Bielosludtseva, Tetyana Pertseva
- PA2409** **Aetiology of community-acquired pneumonia and the role of genetic host factors in hospitalized patients**  
Ilias Porfyridis (Nicosia, Cyprus), Petros Ladas, Anna Ioannou, Christina Tryfonos, Tonia Adamide, Christina Christodoulou, Jan Richter
- PA2410** **Plasminogen Activator Inhibitor-1 (PAI-1) and Human F3/TF (Tissue Factor) Link as a Cornerstone of Thrombogenesis in COVID-19-associated pneumonia**  
Kseniia Bielosludtseva, Tetyana Pertseva
- PA2411** **Peripheral immune cells are associated with disease severity and chronic P. aeruginosa infection in Bronchiectasis**  
Nuria Mendoza Barco (Premià de Dalt (CT), Spain), Belén Solarat, Lidia Perea, Lucas Robres, Sandra Casas, Pau Marrades, Rosanel Amaro, Néstor Soler, Pilar Martínez-Ólondris, Miriam Villanueva, Francesc Marco, Guillermo Suarez-Cuartin, Alvar Agustí, Amelia Shoemark, James D Chalmers, Rosa Faner, Oriol Sibila
- PA2412** **Association of local Igs with disease severity in patients with NCFB: data from the EMBARC-BRIDGE study**  
Nathalia Gonzalez Jaramillo (Bern, Switzerland), Moritz Saxenhofer, Anna Schnell, Stefanie Graeter, Karol Nass, Ilka Schulze, Michael Loebinger, Oriol Sibila, Stefano Aliberti, Zsafia Eke, James Chalmers, Alexander Schaub

PS-25

Session 238

08:00 - 09:30

**Poster session: Predictive and prognostic factors in lung cancer****Disease(s)** : Thoracic oncology | Airway diseases | Sleep and breathing disorders**Method(s)** : Cell and molecular biology | General respiratory patient care | Imaging | Epidemiology | Palliative care | Pulmonary function testing | Public health | Surgery | Endoscopy and interventional pulmonology**Tag(s)** : Translational**Chairs** : Fernando Gamarra (Straubing, Germany), Marco Nardini (Leeds, United Kingdom)



PA2413	<b>Potential predictors of immunotherapy-induced pneumonitis in non-small cell lung cancer (NSCLC)</b> Francesca Maria Pontoriero (Padova, Italy), Daniele Pascale, Francesca Scalvenzi, Loc Carlo Bao, Laura Bonanno, Mariaenrica Tinè
PA2414	<b>Exposure to wood smoke: a risk factor for bronchogenic carcinoma in women living in rural areas</b> Zineb Benmerzouq (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine
PA2416	<b>The impact of visceral pleural invasion on survival in non-small cell lung cancer</b> Hasan İbis (Ankara, Turkey), Ezgi Gürel Akan, Pınar Akın Kabalak, Suna Kavurgacı, Tuba Inal Cengiz, Funda Demirağ, Hakan Nomenoğlu, Ülkü Yılmaz
PA2417	<b>The dynamics of natural killer cell activity as a prognostic factor in patients receiving curative surgery for non-small cell lung cancer</b> Sara Witting Christensen Wen (Vejle, Denmark), Line Nederby, Torben Frøstrup Hansen, Signe Timm, Morten Borg, Ole Hilberg
PA2418	<b>Clinicopathological features and prognostic factors in patients with pulmonary pleomorphic carcinoma</b> Baris Demirkol (Istanbul, Turkey), Celal Satıcı, Sule Gul, Ramazan Eren, Kursad Nuri Baydili, Mustafa Cortuk, Halide Nur Urer, Erdogan Cetinkaya
PA2419	<b>Assessing the Prognostic Significance of Baseline Liver Metastasis in ALK Fusion-Positive Metastatic Lung Cancer: A retrospective study</b> Su Yu Hua (Taichung, Taiwan), Cheng Wen-Chien, Tu Chih-Yen
PA2420	<b>Evaluation of CCL18 and S100A4 as biomarkers in small cell lung cancer (SCLC) progression and response to therapy</b> Xuan Phuoc Nguyen (Freiburg, Germany), Lilian Rettge, Daiana Stolz, Cornelius Waller, Gernot Zissel
PA2421	<b>Endocrine toxicity as an independent predictor of response to immune checkpoint inhibitors in lung cancer patients</b> Andriani Charpidou (Athens, Greece), Emmanouil Panagiotou, Sofia Ntouraki, Ioannis A. Vathiotis, Maria Effrosyni Livanou, Athanasios Trimis, Konstantinos Syrigos, Melpomeni Peppas
PA2422	<b>Effects of the anesthesia on the overall survival and recurrence of lung cancer: meta-analysis</b> Omar Alomari (Istanbul, Turkey), Muhammed Edib Mokresh, Ali Emir Hamitoglu, Erdoğan Çetinkaya
PA2423	<b>The impact of clinical features on prognosis in advanced-stage lung adenocarcinoma</b> Ahmet Melih Sahin (Ankara, Turkey), Elif Şen (Ankara, Turkey), Ahmet Melih Sahin
PA2425	<b>Association of sleep-related hypoxia with survival in patients with non-small cell lung cancer – the NEOSAS-GFPC study group</b> Grégoire Justeau (Angers, France), Laurent Greillier, Florent Vinas, Lionel Falchero, Olivier Bylicki, Marie Bernardi, Francis Martin, Didier Debieuvre, Chrystèle Locher, Acya Bizieux, Virginie Levrat, Anne Mallart, Camille Guguen, Frédéric Goutorbe, Philippe Masson, Christos Chouaid, Patrick Saulnier, Frédéric Gagnadoux
PA2426	<b>Dipeptidyl peptidase 4 inhibitors as novel agents in improving survival in diabetic patients with early stage non small cell lung cancer</b> Min-Chun Chuang (Puzi City, Taiwan), Ming-Szu Hung
PA2427	<b>Identification of specific miRNA signatures in EBC for non-invasive lung cancer diagnosis and prognosis: A proof-of-concept study</b> Divyanjali Rai (delhi, India), Bijay Pattnaik, Naveen Bhatraju, Rohit Vadala, Jaya Tak, Seetu Kashyap, Umashankar Verma, Jyoti Kumari, Saurabh Mittal, Pawan Tiwari, Vijay Hadda, Karan Madan, Geetika Yadav, Rupinder Singh Dhaliwal, Randeep Guleria, Anurag Agrawal, Anant Mohan
PA2428	<b>The mTORC1-related single nucleotide polymorphisms in the peripheral blood facilitate the prediction of brain metastasis of non-small cell lung cancer</b> Hongru Li (Fuzhou (Fujian), China), Jiabin Fang, Lina Chen, Qing Li, Siqiang Liu, Sufang Chen, Xiaojie Yang, Qiongyao Zhang, Yusheng Chen
PA2429	<b>Selenoproteins: early biomarkers of lung cancer</b> Alberto González Hernández (Huelva, Spain), Javier Romero Lopez, Estefanía Vélez Menis, Carolina Gotera Rivera, Luis Miguel Seijo Maceiras, Beatriz Romero Romero, Gloria Toledo Muñoz-Cobo, Luis Alejandro Padrón Fraysse, Jesús Lancha Domínguez, María Belén Callejón Leblic, Tamara García Barrera, Antonio Pereira Vega, Grupo Autores Cohorte Chain
PA2430	<b>Predicting histopathological features of aggressiveness in lung cancer using CT radiomics: a systematic review</b> Daryl Cheng (London, United Kingdom), Cheun Khaw, John McCabe, Adam Pennycuik, Arjun Nair, David Moore, Sam Janes, Joseph Jacob



**PA2431 MS4A15 is a novel prognostic biomarker and a potential target in lung adenocarcinoma**  
Lingxiao Qiu (Chongqing, China), Zhi Xu, Cailin Zhao, Qi Li, Li Bai, Liang Guo, Gang Liu, Xueping Liu, Bin Wang, Xinye Zhang, Jing Yu, Bin Qing, Jincheng Liu, Chuangye Wang

**PA2432 Anti-cancer immune activation post bronchoscopic thermal ablation in non-small cell lung cancer**  
Kanishka Rangamuwa (Melbourne (VIC), Australia), Michael Christie, Tracy Leong, Christian Aloe, Kenta Yokote, Daniel Batey, Marie-Liesse Asselin-Labat, Phillip Antippa, Thomas John, Lou Irving, Steven Bozinovsk, Daniel Steinfort

PS-26

Session 239

08:00 - 09:30

## Poster session: Pulmonary fibrosis and all of its clinical aspects

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

Method(s) : Epidemiology Imaging General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology

Chairs : Athina Trachalaki (London, United Kingdom), Diego Castillo Villegas (Barcelona, Spain)

**PA2433 The impact of immortal time bias on the estimated mortality benefit of antifibrotic therapy in IPF**  
Marit Bjørnå Wilskow (Bodø, Norway), Phuong Phuong Diep, Charlotte Hyldgaard, Lisa Carlson, Dimitrios Kalafatis, Ida Pesonen, Magnus Sköld, Saher Burhan Shaker, Elisabeth Bendstrup, Nils Hoyer, Michael Thomas Durheim

**PA2434 Prevention of progression in early fibrosing interstitial lung disease patients: Using economic modelling to inform evidence generation.**  
Michael Baldwin (Ingelheim, Germany), Eric S. White, Luke Hubbert, Antony Wright, Sue Langham, Pilar Rivera-Ortega

**PA2435 Healthcare utilization in the diagnostics of interstitial lung disease**  
Thomas Skovhus Prior (Egå, Denmark), Claus Høstrup Vestergaard, Sissel Kronborg-White, Elisabeth Bendstrup, Anders Prior

**PA2436 Bronchial artery hypertrophy is common in lung fibrosis and associated with mutations of telomere-related genes**  
Jérémy Hestin (BAGNEUX, France), Clairelyne Dupin, Kinan El Hussein, Adèle Sandot, Caroline Kannengiesser, Diane Bouvry, Justine Frija, Hilario Nunes, Raphaël Borie, Antoine Khalil, Marie-Pierre Debray, Bruno Crestani

**PA2437 Pre-surgical clinico-radiologic-pathological risks for post-surgical acute exacerbation of interstitial pneumonia in resectable lung cancer patients**  
Atsushi Miyamoto (Tokyo, Japan), Shinyu Izumi, Tomohisa Baba, Kensuke Tanaka, Chiyoko Kono, Susumu Sakamoto, Takeshi Johkoh, Tae Iwasawa, Fumikazu Sakai, Akira Hebisawa, Tamiko Takemura, Yoshinori Kawabata, Yasuhiro Terasaki, Masashi Kitani, Yoshihito Goto, Haruyuki Ishii, Takeshi Ogura

**PA2438 Deleterious impact of trivial to severe pulmonary fibrosis and emphysema on mortality and acute lung injury in patients with lung cancer**  
Yutaka Tomishima (Tokyo, Japan), Atsushi Kitamura, Ryosuke Imai, Sachiko Ohde

**PA2439 Frequency of lung cancer in idiopathic pulmonary fibrosis**  
Zuleyha Bingol (Istanbul, Turkey), Gokhan Altan, Aylin Pihtili, Esen Kiyani, Zeki Kilicaslan, Gulfer Okumus

**PA2440 Radiological and histopathological features of Early Idiopathic Pulmonary Fibrosis (Early IPF)**  
Martina Maria Marinato (Firenze, Italy), Bernardo Stefani, Lorenzo Tofani, Alessandra Sorano, Leonardo Gori, Elisabetta Rosi, Diletta Cozzi, Camilla Comin, Sara Tomassetti

**PA2441 The density histogram-derived computerized integrated index (CII) is a mortality predictor in patients with idiopathic pulmonary fibrosis**  
Paola Rebecca Iovine (Pimonte, Italy), Gaetano Rea, Roberta Lieto, Annalisa Mazzocca, Dario Bruzzese, Marialuisa Bocchino

**PA2442 Clinical manifestations and prognosis of IPF patients with simple honeycomb wall thickening: A Case Series.**  
Ting Yang (Chengdu (Sichuan), China)

**PA2443 Patients and caregivers' core aspirations to maximize the attractiveness of ASPIRE - a phase 2b trial to investigate the disease modifying potential of buloxibutid in IPF**  
Asa Magnusson (Stockholm, Sweden), Cecilia Ganslandt, Sofie Gro Søndergaard, Louisa Channouf Jacobsen, Gry Willum Hagelund, Anne Katrine Cohrt

**PA2444 Identifying outcome domains to establish a core outcome set for progressive pulmonary fibrosis: a scoping review.**  
Zehra Nur Toreyin (Izmir, Turkey), Anouk Delameillieure, Silja Schenk, Vivien Somogyi, Eda Sen, Liesbet Van Bulck, Nazlı Üçkuyu, Ömer Selim Unat, Michael Kreuter, Nesrin Mogulkoc, Nikola Stenzel, Wim Wuyts, Steve Jones, Liam Galvin, Jeanette Boyd, Pippa Powell, Polina Starchenko, Natalia Liagka, Sabrina Bajwah, Thomy Tonia, Fabienne Dobbels

- PA2445 Sex-specific aspects in an unclassified population of patients with interstitial lung disease (ILD) undergoing transbronchial cryobiopsy (TCB)**  
Franziska Trudzinski (Heidelberg, Germany), Janna Reinhard, Monika Eichinger, Katharina Buschulte, Claus-Peter Heussel, Maximilian Güttlein, Julia Michels-Zetsche, Mark Oliver Wielpütz, Kathrin Kahnert, Konstantina Kontogianni, Laura Klotz, Michael Kreuter, Ralf Eberhardt, Felix Herth, Markus Polke
- PA2446 Diagnostic and prognostic trajectories of ILDs after the MDD**  
Francesco Amati (Pieve Emanuele (Milano), Italy), Dean Kellogg, Marcos Restrepo, Francesco Blasi, Stefano Aliberti, Anoop Nambiar
- PA2447 Cognitive Function Status and Clinical Effects in Fibrotic Interstitial Lung Diseases**  
Elif Yelda Ozgun Niksarlioglu (Istanbul, Turkey), Neval Alagoz, Ramazan Eren, Mehmet Atilla Uysal, Sule Gül, Şenay Aydın
- PA2448 Investigation of the gut microbiota profiles of patients with idiopathic pulmonary fibrosis**  
Baykal Tülek (Konya, Turkey), Kerim Göktürk, Salih Macin
- PA2449 A benefit-analysis review of patients with IPF/CPFE attending an ERN-ILD specialist centre over 10 years.**  
Paul Bergin (Blackrock, Ireland)
- PA2450 Acute exacerbations of interstitial lung diseases (AE-ILD): impact of an emergency action protocol**  
Juan Pablo Orozco Zapata (L'Hospitalet De Llobregat, Spain), Ignacio Español Montero, Joel Francesqui, Sandra Cuerpo, Fernanda Hernandez Gonzalez, Mariana Benegas, Marcelo Sanchez, Jacobo Sellares
- PA2451 Thyroid and thorax: prevalence and correlates of interstitial lung abnormalities in hypothyroidism**  
Akhlesh Rajpoot (Almora, India), Manju Bala, Akhlesh Rajpoot, Suyash Singh Rathore
- PA2452 Prevalence and clinical impacts of coronary artery disease in patients with interstitial lung disease**  
Hyun Seok Kwak (Seoul, Republic of Korea), Tae Oh Kim, Jang Ho Lee, Ho Cheol Kim

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Session 240

08:00 - 09:30

**Poster session: Looking for biomarkers in interstitial lung disease of known origins****Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** General respiratory patient care Public health Pulmonary rehabilitation Respiratory intensive care Physiology Pulmonary function testing Cell and molecular biology Epidemiology Imaging**Tag(s) :** Translational**Chairs :** Jonas Schupp (Burgdorf, Germany), Miriana d'Alessandro (Siena, Italy)

- PA2453 Prognostic relevance of autoantibodies in patients with hypersensitivity pneumonitis (HP): a German multicentre study.**  
Francesco Bonella (Essen, Germany), Marcus Joest, Mathias Rolke, Joachim Sennekamp, Katharina Buschulte, Xiaohua Luo, Ulrich Costabel, Michael Kreuter, Dirk Koschel
- PA2454 Fungal stimulation induces a specific Th1-like immune response in hypersensitivity pneumonitis patients**  
Helder Novais Bastos (Lousada, Portugal), Rita F Santos, Andreia L Coelho, João C Rufo, David Coelho, Melany Gonçalves, Samuel Gonçalves, Cristina Cunha, Agostinho Carvalho, Natália Melo, Patrícia Mota, André Terras, Susana Guimarães, André Carvalho, Luís Delgado, Margarida Saraiva, António Morais
- PA2455 The prognostic role of eosinophils in patients with hypersensitivity pneumonitis: a multicenter study**  
Matthaios Katsaras (Athens, Greece), Vasilina Sotiropoulou, Effrosyni Manali, Eva Fouka, Despoina Papakosta, Elisabeth Bendstrup, Lykourgos Kolilekas, Ioannis Tomos, Vasileios Tzilas, Paschalis Ntolios, Paschalis Steiropoulos, Ilias Papanikolaou, Panagiota Tsiri, Ourania Papaioannou, Elli Malakounidou, Eirini Zarkadi, Fotios Sampsonas, Spyridon Papiiris, Demosthenes Bouros, Argyrios Tzouvelekis
- PA2456 Immunological profile of lung tissue of patients with hypersensitivity pneumonitis**  
Marc Massa Gómez (Barcelona, Spain), Silvia Sánchez Díez, David Soler Segovia, Susana Gómez Ollés, David Espejo Castellanos, Iñigo Ojanguren Arranz, María Florencia Pilia, Yolanda Vasiete García, Xavier Muñoz Gall, María Jesús Cruz Carmona
- PA2457 A specific elastin fragment (ELP-3) as a potential serological biomarker to distinguish fibrotic from non-fibrotic hypersensitivity pneumonitis**  
Filipa B Simões (Herlev, Denmark), Nils Hoyer, Sandra Dræby, Annika H Hansen, Morten Karsdal, Diana J Leeming, Jannie M B Sand, Saher B Shaker

- PA2458 Increased monocyte count as a prognostic biomarker in patients with interstitial lung disease with autoimmune features**  
Panagiota Tsiri (Patra, Greece), Vasilina Sotiropoulou, Matthaios Katsaras, Ourania Papaioannou, Georgios Tsirikos, Electra Koulousousa, Eva Theochari, Ioannis Christopoulos, Dimitrios Komninos, Alexandra Pandi, Elli Malakounidou, Vasiliki Georgiopolou, Dionysios Papalexatos, Dimosthenis Lykouras, Maria Tsiamita, Kyriakos Karkoulis, Fotios Sampsonas, Argyris Tzouveleakis
- PA2459 Biomarkers of exposure and progression in patients with hypersensitivity pneumonitis and exposed workers (EXIMIOUS project)**  
David Soler Segovia (Barcelona, Spain), David Espejo Castellanos, Mar Sevillano, Carlos Gómez-Ollés, M<sup>a</sup> Florencia Pilia, Iñigo Ojanguren Arranz, Ana Villar, M<sup>a</sup> Jesús Cruz Carmona, Xavier Muñoz Gall
- PA2460 Peripheral white cell counts and mortality across different interstitial lung diseases**  
Punchalee Kaenmuang (Songkhla, Thailand), Fiammetta Danzo, William G. Bray, Vasilis Kouranos, Maria Kokosi, Peter M. George, Felix Chua, Gisli Jenkins, Iain D. Stewart, Athol U. Wells, Piersante Sestini, Carmel J.W. Stock, Elisabetta A. Renzoni
- PA2461 Value of systematic minor salivary gland biopsy in interstitial lung disease**  
Ines moussa (Ariana, Tunisia), Donia Chebbi, Samar Derbal, Olfa Hentati, Fatma Ben Dahmen, Leila Gharbi, Yousra Cherif, Meya Abdallah
- PA2462 High peripheral blood monocytes as a predictive factor of fibrotic ILD worsening**  
Hana Blibech (Ariana, Tunisia), Houda Snène, Bochra Karaborni, Amal Harzalli, Synda Derouich, Donia Belkhir, Sameh Belhadj, Jalloul Daghfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir
- PA2463 Remote Monitoring to Detect Progression of Interstitial Lung Disease: Prospective Cohort Study**  
Malik A Althobiani (London, United Kingdom), Yatharth Ranjan, Anne-Marie Russell, Joseph Jacob, Michele Orini, Richard Dobson, John Hurst, Joanna Porter, Amos Folarin
- PA2464 Remote monitoring of oxygen-dependent patients with interstitial lung disease (ILD)**  
Elinny Raissa M. Reis (São Paulo, Brazil), Marieta C. A. Cunha, Guilherme P. Bridi, Bruno G. Baldi, Gabriela M. Alencar, Joao G. Silva, Luis C. P. Souza Junior, Amanda M. Schneider, Mari C. T. Fernandes, Juliana M. B. Santos, Celso R. F. Carvalho
- PA2465 Identification of MMP-7 as a prognostic biomarker of post-COVID persistent lung abnormalities.**  
Ivette Buendia Roldán (México D.F, Mexico), Leslie Chavez-Galan, Hiram Aguilar-Duran, Andy Ruiz, Ramces Falfan-Valencia, Gloria Perez-Rubio, Annie Pardo, Moises Selman
- PA2466 Big data insights in the ILD population through AI-driven analytics**  
Ahmed Elmahy (Leuven, Belgium), Julie Maes, Elena Smets, Maarten De Vos, Wim Janssens, Marko Topalovic
- PA2467 Anti-Ro52 positivity is associated with poorer lung function at diagnosis in CTD-ILD and IIM-ILD**  
Robert Harrington (Dublin, Ireland), Richard Conway, Ruairi Fahy
- PA2468 Anti-Ro52 antibodies in interstitial lung disease**  
Hana Blibech (Ariana, Tunisia), Donia Chebbi, Samar Derbal, Olfa Hentati, Yousra Cherif, Imen Zamali, Hana Mrassi, Fatma Ben Dahmen, Leila Gharbi, Bechir Louzir, Meya Abdallah
- PA2469 Pulmonary function trajectories in rheumatoid arthritis-associated interstitial lung disease**  
Charlotte Hyldgaard (Åbyhøj, Denmark), Asger Roer Pedersen, Torkell Ellingsen, Elisabeth Bendstrup
- PA2470 Increased lung monocyte infiltration in Fibrotic Interstitial Lung Diseases.**  
Eirini Vasarmidi (Heraklion (Crete), Greece), Eliza Tsitoura, Marilena Lourou, Ioanna Argyriou, Nikolaos Galanakis, Eleni Bibaki, Katerina M. Antoniou
- PA2471 An international survey to inform the development of a disease-specific health-related quality of life tool for cardiac sarcoidosis**  
Juan Carlos Quijano-Campos (London, United Kingdom), Neha Sekhri, Muhunthan Thillai, Herbert Clarke, Joanna Whight, Elizabeth Blower, Lawrence Othen-Price, Elizabeth Murphy, Julie Sanders

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Session 242

08:00 - 09:30

## Poster session: Pathophysiology and risk assessment in pulmonary arterial hypertension

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

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

Tag(s) : Translational

Chairs : Stéphanie Saxer (Zürich, Switzerland), Benjamin Egenlauf (Heidelberg, Germany)

- PA2492** **The spectrum of systemic sclerosis-associated pulmonary hypertension (SSc-PH): insights from the ASPIRE registry**  
Howard Smith (Newport-on-Tay, United Kingdom), Roger Thompson, Mohammed Akil, Samer Alabed, Athanasios Charalampopoulos, Krit Dwivedi, Charlie Elliot, Abdul Hameed, Ashraful Haque, Judith Hurdman, David Kiely, Rachael Kilding, Kar-Ping Kuet, Alex Rothman, Andy Swift, Robin Condliffe
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- PA2493** **SSc-PAH patients are at risk of disease progression in contemporary clinical practice**  
Hilde Jenssen Bjørkekjær (Kristiansand, Norway), Cosimo Bruni, Cathrine Brunborg, Patricia Carreira, Paolo Airò, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Giollo, Alexandra Balbir-Gurman, Mickael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Helle Bitter, Øyvind Midtvedt, Kaspar Broch, Arne Andreassen, Sverre Høie, Yoshiya Tanaka, Gabriela Riemekasten, Ulf Müller-Ladner, Marco Matucci-Cerinic, Ivan Castellví, Elise Siegert, Eric Hachulla, Øyvind Molberg, Oliver Distler, Anna-Maria Hoffmann-Vold
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- PA2494** **Prognostic value of follow-up cardiopulmonary exercise testing in pulmonary arterial hypertension**  
Andrea Baccelli (London, United Kingdom), Rocco Rinaldo, Rachel Davies, Francesco Lo Giudice, Beatrice Vigo, Wendy Gin-Sing, Gulammehdi Haji, Stefano Centanni, Luke Howard
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- PA2495** **Risk assessment after combination therapy in patients with CHD-PAH and Eisenmenger Syndrome in a low-middle income country**  
Arturo Cortes-Telles (Merida (Yucatan), Mexico), Yuliana Valeria Priego-Escamilla, Diana Lizbeth Ortiz-Farias, Esperanza Figueroa-Hurtado, Saul Vazquez-Lopez, Yuri Noemi Pou-Aguilar
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- PA2496** **The UK National Cohort Study of Idiopathic and Heritable Pulmonary Arterial Hypertension ten years on: an Overview and its Future.**  
Eekart de Bie (Cambridge, United Kingdom), Colin Church, Gerry Coghlan, Stefan Gräf, Luke Howard, David Kiely, Allan Lawrie, James Lordan, Robert Mackenzie-Ross, Shahin Moledina, Christopher Rhodes, Karen Sheares, Mark Toshner, Martin Wilkins, S. John Wort
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- PA2497** **Characteristics and outcomes of gemcitabine-associated pulmonary hypertension**  
Pierre Mouillot (Dijon, France), Nicolas Favrolt, Charles Khouri, Aurélie Grandvullemin, Marie-Camille Chaumais, Déborah Schenese, Andréi Seferian, Xavier Jais, Laurent Savale, Guillaume Beltramo, Olivier Sitbon, Jean-Luc Cracowski, Marc Humbert, Marjolaine Georges, Philippe Bonniaud, David Montani
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- PA2498** **Evaluating the socioeconomic burden of pulmonary arterial hypertension on employment and workplace productivity: A Canadian, cross-sectional study**  
Brandon Budhram (Calgary, Canada), Jamie Myrah, Cynthia Westerhout, Courtney Gubbels, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald
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- PA2499** **Association between right heart size and right ventricular output reserve in patients with pulmonary arterial hypertension**  
Benjamin Egenlauf (Heidelberg, Germany), Kilian Weinstock, Satenik Harutyunova, Alberto M. Marra, Christina A. Eichstaedt, Ekkehard Grünig, Panagiota Xanthouli, Nicola Benjamin
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- PA2500** **Evolution of the incidence of pulmonary arterial hypertension (PAH) in patients with HIV infection over the past 15 years.**  
Elise Puel (Poitiers, France), Gwenael Le Moal, Jean-Claude Meurice, Magali Croquette, Vanessa Bironneau, Elisa Larrieu, Athenais Boucly, Marc Humbert, David Montani, Laurent Savale, Olivier Sitbon, Etienne-Marie Jutant
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- PA2501** **The Pulmonary Hypertension Global Patient Survey (PH GPS): an overview and results**  
Joseph Newman (Cambridge, United Kingdom), Gerald Fischer, Matt Granato, Luke Howard, Marcin Kurzyna, Lynsay Macdonald, Gergely Meszaros, Michael Nio, Eva Otter, Millicent Stone, Mark Toshner, Monika Tschida, Joanna Pepke-Zaba
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- PA2502** **Comparing the PAH patients according to their DLCO: results from a Greek PH center.**  
Effrosini Dima (Athens, Greece), Vasileios Grigoropoulos, Dimitra Fasfali, Athina Mpsatouli, Panagiota-Natalia Zimpounoumi-Keratsa, Panagioula Niarchou, Athanasia Megarisiotou, Efstathia Prappa, Stylianos Orfanos, Sotirios Xydonas, Anastasia Anthi
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- PA2503** **Nocturnal oxygen desaturation in precapillary pulmonary hypertension**  
Oksana Kalashnykova (Dnepr, Ukraine), Larisa Vasilyeva, Nadiia Ivchyna
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- PA2504** **Have clinical characteristics of patients with Pulmonary Arterial Hypertension changed over the years?**  
Bárbara Gracia Hernández (Huelva, Spain), Fátima Diaz Chantar, Roberto Del Pozo Rivas, Pilar Escribano Subías, Josefa Jiménez Arjona, Rafael Bravo-Marqués, Águeda Aurtenetxe Pérez, Ana Torrents, Guillermo Torroba, Isabel Blanco
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- PA2505** **The optimal cut-off value for the one-minute sit-to-stand test to determine functional impairment in patients with pulmonary hypertension**  
Christina Kronberger (Vienna, Austria), Robin Willixhofer, Nikita Ermolaev, Nima Rassoulpour, Musa Bedirxan Kaya, Michael Poledniczek, Christoph Krall, Brigitte Litschauer, Roza Badr Eslam
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- PA2506** **The role of gas transfer on responses to exercise training in patients with pulmonary hypertension**  
Ciara McCormack (Navan, Ireland), Sean Gaine, Niall Moyna, Brona Kehoe, Brian Mccullagh, Rehan Quadery

- PA2507** **The utility and safety of one-minute sit-to-stand test in pulmonary hypertension: a prospective study**  
Kenichiro Takeda (Chiba, Japan), Ayako Shigeta, Takeshi Inagaki, Nami Hayama, Chiaki Kawame, Yasuyuki Naraki, Akira Naito, Ayumi Sekine, Rika Suda, Toshihiko Sugiura, Takuji Suzuki
- PA2508** **Constant work-rate cycling time and arterial blood gases in lowlanders with pulmonary arterial and chronic thromboembolic pulmonary hypertension on the second day at 2500m – a randomized cross-over study**  
Simon Raphael Schneider (Zürich, Switzerland), Aline Röösl, Julian Müller, Meret Bauer, Laura Mayer, Michael Furian, Esther Irene Schwarz, Konrad E Bloch, Mona Lichtblau, Silvia Ulrich
- PA2509** **Sex-specific differences in echocardiographic parameters of risk stratification in pulmonary arterial hypertension**  
Ekkehard Grünig (Heidelberg, Germany), Satenik Harutyunova, Nicola Benjamin, Veronika Schiffer, Carolin Resag, Panagiota Xanthouli, Moritz Braun, Christina A. Eichstaedt, Benjamin Egenlauf, Alberto M. Marra, Eduardo Bossone, David K. Kiely
- PA2510** **Heart rate variability in patients with pulmonary vascular disease living permanently at high altitude relocated to low altitude**  
Joël Julien Herzig (Zürich, Switzerland), Esther I Schwarz, Meret Bauer, Elizabeth Cajamarca, Michael Furian, Mona Lichtblau, Laura Mayer, Julian Mueller, Diego Saragoni, Stephanie Saxer, Mirjam Schmucki, Simon R Schneider, Rodrigo Hoyos, Silvia Ulrich
- PA2511** **Evaluating the burden of pulmonary arterial hypertension from patient reported changes in work patterns: Results from a Canadian patient survey**  
Brandon Budhram (Calgary, Canada), Jamie Myrah, Courtney Gubbels, Cynthia Westerhout, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald

**PS-3** **Session 243** **08:00 - 09:30**

**Poster session: User perception, acceptance, utility and adherence in the digital transformation of respiratory care**

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

**Method(s)** : Public health General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Physiology Imaging

**Tag(s)** : Congress theme: Humans and Machines: getting the balance right, Clinical

**Chairs** : Andrea Aliverti (Milan, Italy), Ireti Adejumo (Nottingham (Nottinghamshire), United Kingdom)

- PA2512** **Challenges of living with asthma: Results of a survey conducted using mobile application among asthmatics in India**  
Meena Lopez (Mumbai, India), Vaishali Naik, Swapna Nair, Jaideep Gogtay
- PA2513** **Explore the Adherence of Electronic Monitoring systems in Asthma Management**  
Yi-Ying Liu (Taipei, Taiwan), Han-Pin Kuo, Mei-Chuan Chen, Hsiu-Mei Chang, Shu-Chuan Ho
- PA2514** **Acceptability, feasibility and utility of presenting live AI-based risk prediction models to a COPD MDT**  
Anna Taylor (Glasgow, United Kingdom), Shane Burns, Jacqueline Anderson, Eve Walker, Gemma Mckinley, Alex Mcconnachie, David J Lowe, Chris Carlin
- PA2515** **A randomised controlled trial to improve medication adherence in COPD patients using a Digital Therapeutics Program**  
Hanna WU (Beijing, China), Hongtao Niu, Tao Yu, Yushi Zhang, Xuexin Li, Ting Yang
- PA2516** **Cultural differences in technology acceptance of COPD patients oh cool: a crosscountry focusgroup study**  
Esther I. Metting (Groningen, Netherlands)
- PA2517** **The key to self-management of respiratory diseases: Embracing appropriate digital health technologies**  
Tara Byrne (Ballinasloe (County Longford), Ireland), Niall Murray, Mary Mcdonnell-Naughton, Neil Rowan
- PA2518** **Evaluation of Patients Diagnosed with Chronic Obstructive Pulmonary Disease in Terms of Treatment Compliance and Quality of Life After Follow-up with Telemedicine**  
Zeynep Sena Dogan (Ankara, Turkey), Nurdan Kokturk
- PA2519** **Tele-pulmonology in Long covid**  
Sarang Patil (Dhule (Maharashtra), India)
- PA2520** **Digitalized German guidelines in the app LeilaPRO**  
Andreas Hoheisel (Leipzig, Germany), Thomas Köhnlein, Wolfgang Hanke, Daiana Stolz, Regina Hanke
- PA2521** **DigiPat: Respiratory diseases and digital Health Apps**  
Regina Hanke (Berlin, Germany), Andreas Hoheisel, Corelius Weiss, Gerhard Hoheisel, Daiana Stolz, Thomas Köhnlein, Alexandra Wald



- PA2522 Guided inhalation manoeuvre during nebulisation – tracking and analysing users’ breathing technique**  
Carolina Dantas (München, Germany), Pascal Foerner, Ulf Krueger
- PA2523 Patients' Reported Reasons of Non-Attendance in a Respiratory Outpatient Services**  
Michelle Angeli Uno (Balbriggan, Ireland), Tidi Hassan, Ian Counihan
- PA2524 The use of digital applications in chronic lung diseases in Turkey**  
Gamze Oğuz Erdem (Kagithane/Istanbul, Turkey), Ali Vefa Öztürk, Raşan Çevik Akyl
- PA2525 Implementation and results of a dedicated telemedicine program (TeleTrachea) for patients with tracheal diseases.**  
Pedro Ciaralo (São Paulo, Brazil), Paulo Cardoso, Helio Minamoto, Benoit Bibas, Carlos Carvalho, Paulo Pego-Fernandes
- PA2526 Development of a Mobile Telerehabilitation App for Chronic Respiratory Diseases with Enhanced Remote Monitoring and Tailor-Made Intervention: A Feasibility Study**  
Yuko Sano (Chiba, Japan), Jun Ueki, Tomoyuki Morisawa, Kiyoshi Inui, Mariko Takeuchi, Natsumi Nomura, Tetsuya Takahashi, Hiroyuki Daida
- PA2527 Late Breaking Abstract - Smartphone application-based pulmonary rehabilitation in patients with chronic respiratory diseases**  
Chiwook Chung (Seoul, Republic of Korea), Ah-Ram Kim, Dongbum Kim, Hee Kwon, Seong Ho Lee, Il-Young Jang, Min-Woo Jo, Do-Yoon Kang, Sei Won Lee
- PA2529 Late Breaking Abstract - Evening Administration of Long-Acting Muscarinic Antagonists in Chronic Obstructive Pulmonary Disease to Prevent Exacerbations**  
Pradeesh Sivapalan (Gentofte, Denmark), Valdemar Rømer, Alexander Jordan, Niklas Dyrby Johansen, Manan Pareek, Daniel Modin, Alexander Mathioudakis, Jørgen Vestbo, Josefin Eklöf, John R Hurst, Tobias Wirenfeldt Klausen, Tor Biering-Sørensen, Jens-Ulrik Stæhr Jensen
- PA2530 Late Breaking Abstract - Audit of oxygen prescription and monitoring: Improving by dedicated prescription stamp**  
Sai Greeshma (Singarayakonda, India), Vinod Govindasaami, Koushik Muthuraja, Hariprasad Balakrishnan, Irfan Ismail Ayub, Dhansekar Thangaswamy, Abdul Majeed Arshad

PS-30

Session 244

08:00 - 09:30

## Poster session: Therapeutic bronchoscopy: for all ages

Disease(s) : Thoracic oncology Pulmonary vascular diseases Airway diseases Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Palliative care

Tag(s) : Clinical

Chairs : Gregoris Stratakos (Athens, Greece), Gianna Vargas Centanaro (Madrid, Spain)

- PA2531 Foreign body aspiration through the eyes of a pediatric pulmonologist? Is it possible to reduce the rate of negative bronchoscopies?**  
Birce Sunman (Ankara, Turkey), Halime Nayir Büyüksahin, Ismail Guzelkas, Didem Alboga, Meltem Akgul Erdal, Havva Ipek Demir, Raziye Atan, Burcu Capraz Yavuz, Burak Ardicli, Idil Rana User, Ozlem Teksam, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Uğur Özçelik, Nural Kiper
- PA2532 Management of plastic bronchitis with Topical Tissue-type Plasminogen Activator instillation in children**  
Amal Saidani (Bizerte, Tunisia), Sabrine Louhaichi, Besma Hamdi, Racha Smaoui, Amira Dridi, Jamel Ammar, Agnes Hamzaoui
- PA2533 Late Breaking Abstract - Comparison of ultrathin bronchoscope versus thin bronchoscope for the diagnosis of peripheral pulmonary lesions without fluoroscopy: a randomized trial**  
Fangfang Xie (Shanghai, China), Changhao Zhong, Quncheng Zhang, Lei Zhang, Dan Liu, Xiaoxuan Zheng, Xiaoju Zhang, Shiyue Li, Jiayuan Sun
- PA2534 Endobronchial foreign bodies in pediatric work – history and clinical signs suggestive of diagnosis**  
Alexandru Corlăteanu (Chisinau, Republic of Moldova), Corina Conica, Victor Rascov, Diana Rotaru-Cojocari, Rodica Selevestru, Svetlana Sciuca
- PA2535 Treatment of pediatric bronchial Dieulafoy’s lesion by ethylene vinyl alcohol copolymer embolization**  
Xinzhu Liu (Chongqing, China), Shuliang Guo, Wei He, Qubei Li, Qijian Yi
- PA2536 Artificial Intelligence for automatic and objective assessment of competencies in flexible bronchoscopy.**  
Kristoffer Mazanti Cold (Copenhagen, Denmark), Kaladerhan Agbontaen, Anne Orholm Nielsen, Christian Skjoldvang Andersen, Suveer Singh, Lars Konge
- PA2537 Mastery learning guided by artificial intelligence is superior in flexible bronchoscopy training: a randomized controlled trial.**  
Kristoffer Mazanti Cold (Copenhagen, Denmark), Wei Wei, Kaladerhan Agbontaen, Suveer Singh, Lars Konge

- PA2538** **First experiences with Augmented Gravity Bronchoscopy**  
Amanda Dandanell Juul (Odense S, Denmark), Pernille Kirkegaard Knudsen, Rikke Bolding Jepsen, Malte Kongstad Deleuran, Arman Arshad, Jeppe Frost Andersen, Anders Stengaard Sørensen, Anders Bo Nielsen, Tina Dalager, Karen Søgaard
- PA2539** **Single-center study on the effectiveness and safety of stent and occluder in the treatment of patients with secondary malignant airway-digestive fistula**  
fei tang (Hefei, China), Liping Lyu
- PA2540** **Introducing a novel “scrub and clotting patch technique” before bronchial occlusion**  
Yasuyuki Mizumori (Himeji, Japan), Yoshihiro Seri, Ryota Kominami, Takayuki Ino, Sachiko Higashino, Tomohiro Kato, Hiroaki Tsukamoto, Shin Sasaki, Yasuharu Nakahara, Tetsuji Kawamura
- PA2541** **Fenestrated versus conventional Dumon stent in the management of benign central airway stenosis**  
Qixia Wang (Guangzhou, China), Yihua Xu, Zijian Wen, Yanghuan Chen, Yu Chen
- PA2542** **Long-term Efficacy and Safety of the DUMON ST Hourglass Stent for Treatment of Post-Intubation or Tracheotomy Benign Tracheal Stenosis**  
Xuemin Chai (Chongqing, China), Yishi Li, Shuliang Guo
- PA2543** **Biodegradable stents – a new option for benign central airway stenosis**  
Oğuz Karcioglu (Ankara, Turkey), Eda Boerner, Faustina Funke, Jane Winantea, Filiz Öezkan, Rüdiger Karpf-Wissel, Kaid Darwiche
- PA2544** **Neither “hot” nor “cold” – Re-establishing the role of the micro-debrider in central airway obstruction.**  
Shyam Krishnan (Kolkata (West Bengal), India), Avirup Maiti, Raja Dhar
- PA2545** **Successful occlusion of a bronchopleural fistula by a tracheostomy placeholder applied via interventional bronchoscopy in a patient with persistent thoracostomy**  
Annika Hoehn (Essen, Germany), Miguel Rocha, Filiz Oezkan, Jane Winantea, Stefanie Werther, Christian Taube, Lutz Freitag, Kaid Darwiche
- PA2546** **Thulium laser therapy: A new tool for central airway obstruction, with applicability near metal stents**  
Rohan Aurangabadwala (Mumbai (Maharashtra), India), Ravindra Mehta, Kaumudi Devi, Sameer Bansal, Hari Prasad, Chakravarthi Lokanath
- PA2547** **Different outcome of short-term self-expandable metallic stents placement and balloon dilatation for treated benign tracheobronchial stenosis.**  
Chia-Hung Chen (Taichung, Taiwan), Chih-Yen Tu, Wei-Chih Liao, Biing-Ru Wu, Wen-Chien Cheng
- PA2548** **Endobrochial brachytherapy as an additional procedure for patients with endobrochial neoplastic lesions. A 10 year experience of our anticancer institute.**  
Danai Bisirtzoglou (Athens, Greece), Efthalia Gkioxari, Konstantina Papalla, Athanasios Zetos, Hra Michailidou, Vasiliki Petta, Georgia Hardavella, Maria Salomidou, Georgios Politis
- PA2549** **Development and evaluation of a tele-proctoring program in interventional bronchoscopy**  
Francesca Conway (London, United Kingdom), Anand Tana, James Tonkin, Cielito Caneja, Justin Garner, Christopher Orton, Philip Johnson, Pallav Shah
- PA2550** **The role of single use bronchoscopes in central airway obstruction management - an open label randomised controlled trial.**  
Filip Popović (Zagreb, Croatia), Goran Glodić, Denis Baričević, Dražena Srdić, Marta Koršić, Miroslav Samaržija, Sonja Badovinac

PS-31

Session 245

08:00 - 09:30

**Poster session: Pleural procedures: progress beyond imagination!****Disease(s) :** Thoracic oncology Respiratory critical care Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Palliative care Surgery General respiratory patient care Imaging Cell and molecular biology Epidemiology Pulmonary function testing**Chairs :** Anand Sundaralingam (Oxford, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands)

- PA2551** **Current therapeutic approach in patients with pleural infections: results from a multicentre Italian study (INPLE study)**  
Francesco Del Bello (Falconara Marittima, Italy), Francesca Gonnelli, Martina Bonifazi, Lina Zuccatosta, Alessandro Di Marco Berardino, Michele Sediari, Laura Cirilli, Federico Mei

- PA2552 Late Breaking Abstract - Combining CT and spirometry to determine hyperinflation in COPD patients for lung volume reduction eligibility**  
Karin Klooster (Groningen, Netherlands), Jens T Bakker, Jorine E. Hartman, Dirk-Jan Slebos
- 
- PA2553 Malignant pleural effusion - agreement between LENT and PROMISE scores**  
Laura Santos Lopes (Coimbra, Portugal), Pedro Gonalo Ferreira, Tiago Alfaro, Jessica Cemlyn-Jones, Fernanda Gamboa, Yvette Martins
- 
- PA2554 Should INR be checked before all pleural procedures or only those who have bleeding risk factors?**  
Kylie Jones (Ipswich, United Kingdom), Jin Lee, Md Erfanur Rahman Shuvo, Matthew J. Burton
- 
- PA2555 A Novel method for Pleurodesis: The Double Agent Pleurodesis**  
Rohan Aurangabadwala (Mumbai (Maharashtra), India), Ravindra Mehta, Kaumudi Devi, Sameer Bansal, Rohit Vadala, Hari Prasad
- 
- PA2556 Efficacy of uniportal video-assisted medical thoracoscopy in the management of multiloculated pleural infections: a retrospective study**  
Amr Shoukri (Cairo, Egypt)
- 
- PA2557 Pleural Nurse Specialist led Image Guided Pleural Biopsy Service – pleural tissue yield and change in diagnosis at 6 months follow up**  
Farinaz Noorzad (Chislehurst, United Kingdom), Helen Meredith
- 
- PA2558 Late Breaking Abstract - Safety and Efficacy of Bronchoscopic cryospray therapy for refractory or Unexplained chronic cough : Preclinical investigations and First-in-human trial**  
Junfeng Huang (guangzhou, Guangdong, China), Difei Chen, Shuxin Zhong, Kian Fan Chung, Ruchong Chen, Shiyue Li
- 
- PA2559 Diagnostic utility of medical thoracoscopy in miscellaneous conditions other than tuberculosis and malignancy- a retrospective analysis.**  
Mahaveera Bnbn Prasad (Jodhpur (Rajasthan ), India)
- 
- PA2560 Setting up a more affordable Indwelling Pleural Catheter (IPC) set and it's procedural application in resource limited setting. Parts, assembling and cost effectiveness of Paul's IPC set.**  
Akhil Paul (Kunnamkulam (Kerala), India), Jibin James, Nivediya Venugopal
- 
- PA2561 Outcome after treatment of malignant pleural effusion (MPE) with indwelling pleural catheter (IPC). Multicentric study (PLEURORAPID trial: PI21/01420)**  
Maria Isabel Botana Rial (Vigo (Pontevedra), Spain), Irene Lojo Rodriguez, Cristina Ramos Hernandez, Mıguel Iglesias Heras, Rosa Cordovilla Perez, Lucia Ferreiro Fernandez, Olalla Castro Anon, David Dacal Rivas, Juan Suarez Antelo, Manuel Nunez Delgado, Alberto Fernandez Villar
- 
- PA2562 Complications during in-hospital chest tube drainage for iatrogenic pneumothorax: A retrospective study on complication type, incidence and management.**  
Soren Helbo Skaarup (Aarhus C, Denmark), Birgitte Siem Joensen, Uffe Bodtger, Christian Laursen, Rob Hallifax, Beenish Iqbal
- 
- PA2563 Bleeding risk with antiplatelet use during thoracentesis: systematic review with confounder matrix**  
Cary Amiel Villanueva (Manila, Philippines), Aila Marnelle Cruz, Gene Philip Louie Ambrocio
- 
- PA2564 Reducing pulmonary hemorrhage risk in CT-guided lung biopsy - impact of ground-glass opacification in the access pathway and lung gravitational physiology.**  
Leonie Manser (Bern, Switzerland), Michael Bronnimann, Andreas Christe, Johannes Heverhagen, Bernhard Gebauer, Dirk Schnapauff, Federico Colletini, Christophe Schroeder, Patrick Dorn, Lukas Ebner, Timo Auer, Adrian Huber
- 
- PA2565 Exploring the potential of cell free tumor DNA in bronchoscopic diagnosis of peripheral lung lesions- The DRILL study**  
Amanda Dandanell Juul (Odense S, Denmark), Arman Arshad, Alice V. Christophersen, Julie Gellert Larsen, Alexis Pulga, Pernille Kristiansen, Rikke Fredslund Andersen, Torben Riis Rasmussen, Soren Helbo Skaarup, Ole Hilberg, Christian B. Laursen
- 
- PA2566 Ex vivo confocal laser scanning microscopy – a potential tool for histological rapid on-site examination in Interventional Pulmonology**  
Thomas Galasso (Bologna, Italy), Marco Ferrari, Francesca Giunchi, Mattia Riefolo, Stefania Damiani, Martina Ferioli, Pasquale Fabio Leggieri, Gian Piero Bandelli, Filippo Natali, Piero Candoli
- 
- PA2567 EXTERNAL VALIDATION OF THE CAPAD SCORE TO PREDICT THE OCCURRENCE OF PNEUMOTHORAX AFTER CT-GUIDED PERCUTANEOUS TRANSTHORACIC LUNG BIOPSY**  
Guillaume Eberst (Besanon, France), Mohammad Waqaas, Alicia Guillien, Antoine Khalil, Joffrey Hamam, Julien Behr, Philippe Manzoni, Paul Calame, Franck Grillet, Gerard Zalcmann, Valerie Gounant, Virginie Westeel

**PA2568 Advancing cytohistological techniques in the bronchoscopic suite: Imprint Smears versus Frozen Section**  
Shyam Krishnan (Kolkata (West Bengal), India), Nirmalya Banerjee, Diptendu Dey, Raja Dhar

**PA2569 Level and predictors of anxiety in patients undergoing bronchoscopy**  
Aissa Sana (Sousse, Tunisia), Kacem Amani, Bouguezzi Rim, Ben Jazia Rahma, Ben Bedira Baraa, Benzarti Wafa, Knaz Asma, Kharrat Imen, Gargouri Imen, Maatallah Anis, Abdelghani Ahmed

**PA2570 Late Breaking Abstract - Efficacy and safety of transbronchial radiofrequency ablation for peripheral lung cancer: a single-center retrospective study**  
Jiayuan Sun (Shanghai, China), Siyuan Hong, Junxiang Chen, Chuanjia Gu, Fangfang Xie, Du Xu

PS-32

Session 246

08:00 - 09:30

### Poster session: Skills training for clinicians and patient education

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

**Method(s) :** General respiratory patient care Imaging Public health Pulmonary function testing

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Chairs :** Jouke T. Annema (Amsterdam, Netherlands), Anders Bo Nielsen (Odense C, Denmark)

**PA2571 Short-term effects of lung auscultation education using visualization for medical students**  
Chiaki Kawame (chiba, Japan), Hajime Kasai, Yuki Shiko, Ayaka Kuriyama, Kenichiro Takeda, Hiroshi Tajima, Nami Hayama, Mikihito Saito, Takuji Suzuki

**PA2572 Dx3D: A digital medical education campaign for increasing awareness of the signs of PH & CTEPH on CTPA amongst UK physicians**  
Christopher Felix Lawton Brewer (London, United Kingdom)

**PA2573 A novel approach for aerosol therapy education: simulation-based program**  
Arash Taki (Düsseldorf, Germany), Gavin Bennett, Amy Tatham, Alexander Rentrop, Wolfgang Heinrichs, Claus F Vogelmeier

**PA2574 Non-invasive ventilation simulation training for the multi-professional team**  
Kavita Patel (London, United Kingdom), Humaira Patel, Clare Greenwood, Karen Stevens, Maria Regencio, Leyla Ahmet, Fareeda Riaz, Vladimir Macavei

**PA2575 How do attending physicians use the scaffolding functions during the ICU bedside round?**  
Chayanon Songsomboon (Bangkok, Thailand)

**PA2576 Enhancing Respiratory Auscultation Skills Through Clinical Correlation and Imaging**  
MATHEUS RABAHI (GOIANIA (GO), Brazil), Philippe Colares, Marcelo Fouad Rabahi

**PA2577 Toward Evidence-Based Practice: Exploring Influential Factors Among Respiratory Health Professionals in Latin America**  
Matias Otto-Yáñez (Santiago De Chile, Chile), Vicente Benavides Córdoba, Guilherme Fregonezi, Vanessa Resqueti, Orlando Pérez Nieto, Alejandra Cañas, Santiago Larrateguy, Guillermo Mazzucco, Jhonatan Betancourt-Peña, Rodrigo Torres-Castro

**PA2578 'Train to Drain': a Quality Improvement Project to Improve the Confidence of Doctors and Nurses in Managing Patients with Chest Drains**  
Beenish Iqbal (Oxford, United Kingdom), Dinesh Addala, Suzy Guo, Alguili Elsheikh, Anand Sundaralingam, Rob Hallifax, Najib Rahman, John Wrightson

**PA2579 Evaluation of expertise acquisition in thoracic ultrasound after residential course.**  
Luca Passantino (Rome, Italy), Lorenzo Carriera, Roberto Barone, Chiara Di Cienzo, Giovanni Pierro, Alessandro Perrotta, Riccardo Inchingolo, Andrea Smargiassi, Luca Richeldi

**PA2580 Development of a low-cost respiratory artificial mucus for clinical simulation**  
Carlos Ramirez Gonzalez (Recife, Brazil), MARISMAR FERNANDES DO NASCIMENTO, Clara M. P. Araújo, Paulo R. S. O. Neto, Emanuel F. F. Silva Júnior, Layane S. P. Costa, Edval G. Araújo, Shirley Campos

**PA2581 Advancing TB education in Ukraine: virtual technologies for CME amid challenges**  
Nataliia Lytvynenko (Київ, Ukraine), Oleksii Kosyovchenko, Maryna Pohrebna, Yuliia Senko, Anastasiia Lafeta, Olena Pavlenko, Aleksey Bogdanov, Gunta Dravniece

**PA2582 Pleural procedures workshop: Our experience in Ayr Hospital**  
Amanda Hosein (Ayr, United Kingdom), Nicola Trotter, Anur Guhan, Sagara Dissanayaka

**PA2583 Experience in developing a Respiratory simulation program in a DGH.**  
Hashim Hameed (Blackpool (Lancashire), United Kingdom), Mohamad Hasan, Thomas Bongers

- PA2584** **Ward based inhaler technique service reduces use and carbon footprint of short-acting beta-agonist (SABA) inhalers**  
Toby Capstick (Leeds (West Yorkshire), United Kingdom), Nooria Azeez, Gary Deakin, Ashleigh Goddard, Dawn Goddard, Ian Clifton
- PA2585** **Awareness of green inhalers is limited among Irish prescribers**  
Ankit Yadav (Dublin, Ireland), Iarlaith Doherty, Ammar Janjua, Sean Garvey, Deirdre Fitzgerald
- PA2586** **The top 5 research priorities in asthma- parents' perspective**  
Adnan Zafar (Hofuf, Saudi Arabia)
- PA2587** **Communicating risk of asthma attacks to patients and the public**  
Heesu Yang (Auckland, New Zealand), Amy Hai Yan Chan, Jeff Harrison
- PA2588** **Healthy Lungs for Life for Schools (hlfl4s)–expanding in Italy the pilot of an early life intervention to prevent lung disease in adulthood (a CADSET pilot project)**  
Paola Pierucci (Bari, Italy), Luigia Simona Mininni, Ester Putignano, Hans Intveen, Raul Toran, Robab Breyer-Kohansal, Rosa Faner, Valentina Agnese Ferraro, Andreja Sajnic, Maribel Casas, Judith Garcia-Aymerich, Alvar Agusti, Lies Lahousse, Yasemin Gokdemir, Sandra Karabatic, Ivan Tarrío, Aylin Özsancak Uğurlu, Lauren Anderson, Pippa Powell
- PA2589** **Evaluation of Patient Knowledge and Attitudes Towards chronic obstructive pulmonary disease (COPD) Management: A cross-sectional study**  
Emna Benjemia (Tunis, Tunisia), Slim Kalboussi, Waffa Meddi, Hend Ouertani, Jihen Ben Amar, Haifa Zaibi, Hichem Aouina
- PA2590** **Alpha ID oral sample self collection study for DAAT diagnosis**  
Walther Ivan Giron Matute (Madrid, Spain), Juan Luis Garcia Rivero, Ines Carrascosa, Idoia Salinas, Cristobal Esteban, Carlota Rodríguez García, Maria Luisa Torres Durán, Agustin Medina, Julian Ceballos, Cristina Martinez, Gonzalo Jimenez Galvez, Marta Ferrando Caballero, Goio Rica, Elisabeth Ferrer Andres, Estrella Drobnic Martinez

**PS-4** **Session 247** **08:00 - 09:30**

**Poster session: Lung physiology: are we missing the point?**

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

**Method(s) :** Pulmonary function testing Pulmonary rehabilitation General respiratory patient care Physiology Respiratory intensive care

**Tag(s) :** Clinical, Translational

**Chairs :** Brendan Cooper (Edgbaston (Birmingham), United Kingdom), João Cordeiro Da Costa (Lousada, Portugal)

- PA2591** **Comparing estimated versus actual dead space measurements in cardiopulmonary exercise testing (CPET): implications for clinical practice**  
Antoine EL KIK (Beirut, Lebanon), Hind Eid, Albert Riachy, Zeina Aoun, George Dabar, Carine Harmouche, Bassem Habr, Georges Khayat, Ihab Ibrahim, Maissa Safieddine, Moussa Riachy
- PA2592** **Alterations of DLco diagnosis when using the first acceptable trial vs average of two acceptable trials**  
Matthew Hegewald (Murray, United States), Robert Jensen, Barry Make, Carla Wilson, Christian Buess, Jon Hardie, James Crapo
- PA2593** **Inhalation from different pulmonary volumes does not impact bronchodilator efficacy in COPD patients**  
Dejan Radovanovic (Milano (MI), Italy), Camilla Ziliani, Lisa Milani, Linda Pelosi, Camilo Signorello, Anna Casartelli, Matteo Pecchiari, Pierachille Santus
- PA2594** **Static lung volumes measured by plethysmography: does GLI fit well?**  
Atzimba Erandine Castillo Ayala Castillo Ayala (Iztapalapa, Mexico), Patricia Pacheco Perez, Rosaura Benitez Perez, Erika Meneses Tamayo, Jose Eduardo Perez Nieto, Gustavo Ivan Centeno Saenz, Mario Humberto Vargas, Laura Gochicoa Rangel
- PA2595** **Comparative study of bronchodilator responsiveness in a Greek pediatric and adult asthma cohort using 2021 and 2005 ATS/ERS guidelines**  
Afroditi Boutou (Thessaloniki, Greece), Despoina Ioannidou, Christos Kogias, Athina Sopiadou, Petrina Vantsi, Eleni Faniadou, Aikaterini Gakidi, Elpis Hatziagorou
- PA2596** **How to classify the severity of a restriction?**  
Nadia BEN LAZREG (sousse, Tunisia), Fatma Guezguez, Balsam Barkous, Inès Ghannouchi, Amani Sayhi, Sonia Rouatbi
- PA2597** **The clinical impact of obtaining a single acceptable gas transfer manoeuvre**  
Joshua Barnes (King's Lynn (Norfolk), United Kingdom), Heather Nuttall, Andrew Collingwood, Karl Sylvester
- PA2598** **Immediate on-screen quality grade reporting is associated with improved spirometry quality.**  
Benjamin Fox (Tzrifin, Israel), Lotem Harel, Sivan Perl, Noam Natif



- PA2599 Comparison of the measurement of lung volumes with two different plethysmography techniques in a real-world environment**  
Rosaura Esperanza Benítez Pérez (México, Mexico), Atzimba Erandine Castillo Ayala, Gustavo Iván Centeno Sáenz, Marco Antonio González Alvarez, Érika Meneses Tamayo, Jose Eduardo Pérez Nieto, Laura Graciela Gochicoa Rangel
- PA2600 Comparison of Respiratory Impedance in patients with Chronic Obstructive Pulmonary Disease and Bronchial Asthma**  
AAKANSHA SARDA (Raipur, India), Athul C. Angaj, Nitesh Goyal, Sajal De
- PA2601 Numerical simulations of high-frequency ventilation in the presence of airway and lung tissue heterogeneities**  
Péter Makra (Szeged, Hungary), Gergely H Fodor, Almos Schranc, Roberta Südy, Walid Habre, Ferenc Peták
- PA2602 Assessment of strain effects of normal values of respiratory mechanics in rats**  
Gergely H. Fodor (Szeged, Hungary), Ferenc Rárosi, Bence Ballók, Fruzsina Kun-Szabó, Petra Somogyi, Ferenc Peták
- PA2603 Reliability and utility of the 6-minute walk test in granulomatous-lymphocytic interstitial lung disease (GLILD)**  
Heba M Bintalib (London, United Kingdom), Reem Alluhibi, John R Hurst
- PA2604 A response bias exists away from Borg Category-Ratio 0-10 scale values without associated verbal descriptors for symptom intensity ratings during cardiopulmonary exercise testing**  
Rachelle Aucoin (Montreal, Canada), Magnus Ekström, Pei Zhi Li, Jean Bourbeau, Wan C. Tan, Dennis Jensen
- PA2605 Discord of prediction equations in assessment of exercise intolerance**  
Mehrdad Arjomandi (San Francisco, United States), Siyang Zeng, Irene Lin, Gang Luo
- PA2606 Abnormal ventilatory responses during cardiopulmonary exercise testing in children with upper airway obstruction. Why am I short of breath when I have a large reserve?**  
Paul Burns (Glasgow (Glasgow), United Kingdom), David Wynne, Philip Davies, Ross Langley
- PA2607 In patients with interstitial lung disease, the greatest drop in oxygen pulse saturation does not occur at the end of the exercise test, but in the minute after**  
Andrés Pinto Sánchez (Santiago, Chile), Daniela Diaz Hinojosa, Karin Herrera Carrasco, Jennifer Fuentes Landaeta, Matías Florenzano Váldez
- PA2608 The role of diffusion lung capacity for nitric oxide in the management of patients with Idiopathic Pulmonary Fibrosis**  
Donato Lacedonia (Molfetta (BA), Italy), Matteo Pio Natale, Pasquale Tondo, Giulia Scioscia, Luciana Salerno, Fabiola Murgolo, Ruggiero Torracco, Maria Cristina Colanardi, Gianluca Libero Ciliberti, Filomena Simone, Maria Pia Foschino Barbaro
- PA2609 A randomised crossover trial to investigate the clinical utility of orally delivered oxygen nanobubbles in Pulmonary Fibrosis**  
Mihir Sheth (Oxford, United Kingdom), Peter Saunders, Nikolaos Kanellakis, Nick Talbot, Christopher Turnbull, Ashok Handa, Eleanor Stride, Najib Rahman
- PA2610 Late Breaking Abstract - Changes in spirometry interpretative strategies. Knowledge and perception in health care workers of LATAM**  
Rosaura Esperanza Benítez Pérez (México, Mexico), Arturo Cortés-Telles, Gustavo Iván Centeno-Saenz, Irlanda Alvarado-Amador, Karla Elizabeth Lagunes-Salazar

## PS-5 Session 248 08:00 - 09:30

## Poster session: Mechanical ventilation and acute respiratory failure

Disease(s) : Respiratory critical care Airway diseases

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

Chairs : Ana Cysneiros (Lisboa, Portugal), Neeraj Shah (London, United Kingdom)

- PA2611 Comparison between positive end expiratory pressure guided by stress index and low PEEP/FiO2 table in moderate to severe ARDS**  
TUO-YU KO (New Taipei City, Taiwan), Kuo-Chin Kao
- PA2612 PEEP-induced Lung Recruitment Maneuver Combined with Prone Position for ARDS**  
lan lan (Chengdu, China), Yue Nan Ni, Yu Bei Zhou, Feng Ming Luo
- PA2613 Does Use Of A Heat and Moisture Exchanger Affect pMDI Delivery to a Simulated Patient on Mechanical Ventilation**  
Mark Nagel (London (ON), Canada), Jason Suggett, Cathy Doyle, Rubina Ali

- PA2614 Clinical factors associated with racial differences in the prevalence of occult hypoxemia: a retrospective case-control study**  
Sofia Mettler (Cambridge, United States), Nipith Charoenngam, Aunchalee Jaroenlapnopparat, Courtney Tern, Sofia Economidou, Nutchapon Xanthavanij, Matthew Strand, Brian Hobbs, Matthew Moll, Michael Cho
- PA2615 Stoma Stent in a tracheotomy decanulation process. Experience in a cohort of patients with prolonged mechanical ventilation.**  
Ana Reyes Pardessus Otero (Barcelona, Spain), Paula Pujal, Albert Rafecas, Carolina Panadero, Patricia Peñacoba, Carmen Puy, Macarena Segura, Pedro A. Anton
- PA2616 Prediction of Extubation Successful in an Medical ICU using Machine Learning: A Preliminary Study**  
Chang Yujen (Taichung City, Taiwan), Chi Shuhua
- PA2617 Exploring the Therapeutic Role of Early Heparin Administration in ARDS Management**  
Wang Deng (Chongqing, China), Ling-Xi Xiao, Dao-Xin Wang
- PA2618 Efficacy of four high flow therapy devices in mucus clearance: A bench Study**  
Roberto Martinez Alejos (Montpellier, France), Marius Lebret, Gustavo Plotnikow, Fresnel Emeline, Maxime Patout
- PA2619 Prevalence of abdominal compartment syndrome and effect of decompressive laparotomy in patients requiring ECMO**  
Christoph Fisser (Regensburg, Germany), Chiara Koch, Maximilian Malfertheiner, Maik Foltan, Alois Philipp, Dirk Lunz, Thomas Müller, Matthias Lubnow
- PA2620 The impact of aviptadil as an add-on to the standard of care in acute respiratory distress syndrome**  
Soumyadeep Ghosh (Burdwan, India), Subhadip Pal, Bhupesh Dewan
- PA2621 Peripheral eosinophilia is associated with non-classical radiological patterns in acute respiratory distress syndrome**  
gayathiri sivasubramaniam (London, United Kingdom), Wing Sze Sara Hui, Bhavin Rawal, Sujal Desai, Brijesh V Patel
- PA2622 Impact of Tracheostomy Modalities on Ventilatory Mechanics: a bench study**  
Marius Lebret (ROUEN, France), Yann Combret, Margaux Machefer, Guillaume Prieur, Elise Artaud Macari, Bouchra Lamia, Emeline Fresnel, Clément Médrial
- PA2623 Comparison of ventilatory responses of different respiratory profiles between humidified high-flow, pressure support and T-piece spontaneous breathing trials: A bench study.**  
Guillaume FOSSAT (Olivet, France), Emeline Fresnel, Mai-Anh Nay, Roberto Martinez Alejos, Clément Médrial, Marius Lebret
- PA2624 Inflammation-induced generation of splenic erythroblast-like Ter-Cells alleviates acute lung injury**  
Qiao Zhou (ShangHaiChina, China), Chong Bai
- PA2625 Temporal trends of patients who require complex weaning, 2006-2018**  
Alessandra Sorano (Firenze, Italy), Neeraj M Shah, Rebecca F D' Cruz, Michael Cheng, Khaled Alarfi, Philip Marino, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Nicholas Hart, Federico Lavorini, Georgios Kaltsakas, Patrick Murphy
- PA2626 Ly6C+ cDC2-specific CXCR1 defects mitigate acute lung injury by suppressing the Th17/Treg imbalance via MEK1/ERK signaling downregulation.**  
Shenghui Li (Shanghai, China), Yang Wang, Xiucheng Liu, Chang Chen
- PA2627 The comparison of two pendrin inhibitors, YS-01 and PDSinh-C01, in lipopolysaccharide-induced acute lung injury**  
Mi Hwa Shin (Seoul, Republic of Korea), Haeng Ran Park, Moo Suk Park, Jae Young Choi, Wan Namkung, Gyoonee Han
- PA2628 Bedside lung ultrasound correlates to chest x-ray and histology in relevant sepsis+aspiration+VILI-induced triple-hit model of ARDS in swine**  
Jacqueline Rioux (AURORA, United States), Livia Veress, Jules Harral, Joseph Hippensteel, Bradford Smith
- PA2629 Does prone positioning benefit for patients with ARDS receiving ECMO: A meta-analysis**  
Jiawei Zhou, Ziyang Liu, Yan Zhang, Ting Zhang, Xia Li, Na Yu, Wei Wang
- PA2630 Indicators of different outcomes after prolonged weaning: results from a specialist weaning centre**  
Julia Dorothea Michels-Zetsche (Heidelberg, Germany), Evelyn Röser, Hilal Ersöz, Benjamin Neetz, Jana Christina Dahlhoff, Frederik Trinkmann, Philipp Höger, Max Barre, Sebastian Fähndrich, Florian Bornitz, Felix J.F. Herth, Franziska Christina Trudzinski,

PS-6 Session 249 08:00 - 09:30

Poster session: Unveiling mechanisms in chronic lung diseases: from bronchopulmonary dysplasia to fibrosis, pulmonary hypertension and cancer

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

**Method(s) :** Cell and molecular biology Physiology Pulmonary function testing

**Tag(s) :** Translational

**Chairs :** Aurélien Justet (Caen, France), Georges Doumet HELOU (Paris, France)

- 
- PA2631** **The YAP profile of lung fibroblasts differs when subjected to cyclic stretch in a 2D and 3D environment**  
Linda Elowsson (Lund, Sweden), Anna Cederberg, Bryan Falcones, Gunilla Westergren-Thorsson
- 
- PA2632** **RING1, a novel E3 ubiquitin ligase for CIP2A, negatively regulates smoking-induced lung tumorigenesis**  
Peter Lee (Seoul, Republic of Korea), Jun-O Jin, Seung Min Jeong
- 
- PA2633** **Early Detection of Lung Cancer Based on the Presence of Lung-derived cfDNA in Plasma- Preliminary Results**  
Ariel Rokach (Jerusalem, Israel), Judith Magenheim, Moshe Shram, Yazeed Rajabi, Ahmad Quteineh, Menachem Bitan, Gabriel Izbicki, Vered Colthof, Yael Batan, Alona Lin, Brucha Ganun, Nissim Arish, George Kalak, Amir Jarjoui, Nader Abdelrahman, Chen Chen Shuali, Hava Azulai, Hezi Barhoum, Danit Kochan, Yuval Dor
- 
- PA2634** **Deciphering NEUROD1's target genes and miRNAs: an integrative analysis in small cell lung cancer**  
Hiroshi Takumida (Tokyo, Japan), Akira Saito, Yasuhiro Terasaki, Yugo Okabe, Yu Mikami, Hidenori Tanaka, Hidenori Kage, Masafumi Horie
- 
- PA2635** **Role of HLA-G in Sardinian Idiopathic Pulmonary Fibrosis patients.**  
Silvia Deidda (Cagliari, Italy), Michela Lorrà, Caterina Mereu, Paola Congera, Francesca Mele, Sara Lai, Stefano Mocchi, Erika Giuressi, Celeste Sanna, Michela Murgia, Meropi Plousiou, Gaia Tosone, Alessia Mascia, Marina Serra, Andrea Perra, Maria Antonia Gammino, Sabrina Giglio, Roberto Littera
- 
- PA2636** **Accumulation of AIF1 in Lung Fibroblasts Enhances Response to TGF- $\beta$  and Advances Pulmonary Fibrosis Progression**  
Lian Liu (Chengdu (Sichuan), China)
- 
- PA2637** **Analysis of transcriptional profile of lung fibroblasts derived from patients with progressive pulmonary fibrosis (PPF)**  
Audrey Joannes (RENNES, France), Tom Voisin, Claudie Morzadec, Alice Lettelier, Cécile Le Naoures, Bertrand Richard De Latour, Bruno Crestani, Stéphane Jouneau, Laurent Vernhet
- 
- PA2638** **High Expression of Bpifb1 Stimulates Macrophages to Secrete Inflammatory Factors and inducing Pulmonary Fibrosis**  
Mei Chen (Chengdu (Sichuan), China), Lian Liu
- 
- PA2639** **Towards precision medicine: Systemic Sclerosis research in light of sex- differences**  
Pamela Waked (Graz, Austria), Anna Birnhuber, Petra Kotzbeck, Ines Foessler, Diana Zabini, Leigh M. Marsh, Slaven Crnkovic, Andrea Olschewski, Barbara Obermayer-Pietsch, Grazyna Kwapiszewska, Valentina Biasin
- 
- PA2640** **Endothelial ER protein TXNDC5 promotes lung fibrosis by augmenting endothelial-to-mesenchymal transition**  
You Jing-Jing (taipei, Taiwan), Yang Kai-Chien
- 
- PA2641** **Impact of GLP1R and its agonists in pulmonary circulation**  
Dusan Jeremic (Graz, Austria), Bence Nagy, Kathrin Eller, Konrad Hötzenecker, Horst Olschewski, Andrea Olschewski, Chandran Nagaraj
- 
- PA2642** **Elevated platelet-leukocyte aggregates as markers of chronic inflammatory thrombosis in chronic thromboembolic pulmonary hypertension**  
Smriti Sharma (Wien, Austria), Roela Sadushi-Kolici, Thomas Scherz, Adreinne Aszlan, Veronika Seidl, Cihan Ay, Adelheid Panzenboeck, Nika Skoro-Sajer, Karin Janata-Schwatzek, Thomas Gremmel, Simon Panzer, Bernd Jilma, Ingrid Pabinger, Manuel Mayr, Bernhard Moser, Shahrokh Taghavi, Irene M Lang
- 
- PA2643** **Pan-PPAR agonists directly target BK channels for the acute relaxation of pulmonary arteries.**  
Nagaraj Chandran (Graz, Austria), Neha Sharma, Janos Almassy, Peter Enyedi, Horst Olschewski, Andrea Olschewski
- 
- PA2644** **Identification of CFTR proximal interactome: Proximity labeling approaches Reveals new insights**  
Benoit Chevalier (Paris, France), Solene Castanier, Iwona Pranke, Vincent Jung, Chiara Guerrera, Aleksander Edelman, Isabelle Sermet-Gaudelus, Alexandre Hinzpeter
- 
- PA2645** **Targeted RNA-based next-generation sequencing as a robust diagnostic tool for non-small cell lung cancer genetic testing**  
Magdalena Pelc (Warsaw, Poland), Urszula Lechowicz, Adam Szpechcinski, Joanna Moes-Sosnowska, Paulina Skronska, Adriana Rozy, Aneta Zdral, Emil Wojda, Mateusz Polaczek, Małgorzata Szołkowska, Tadeusz Orłowski, Pawel Sliwinski, Renata Langfort, Joanna Chorostowska-Wynimko
-

- Improved detection of druggable EGFR variants in non-small cell lung cancer using targeted next-generation sequencing**  
**PA2646** Adam Szpechciński (Warszawa, Poland), Joanna Moes-Sosnowska, Urszula Lechowicz, Paulina Skronska, Magdalena Pelc, Malgorzata Szolkowska, Emil Wojda, Piotr Rudzinski, Krystyna Maszkowska-Kopij, Mateusz Polaczek, Renata Langfort, Pawel Sliwinski, Tadeusz Orlowski, Joanna Chorostowska-Wynimko
- 
- Differential transcriptional response of alveolar epithelial cells and pulmonary vascular endothelial cells to hypoxia**  
**PA2647** Rainer Böger (Hamburg, Germany), Juliane Hannemann, Lena Schmidt-Hutten, Fiona Kleinsang
- 
- L-NAME (NG-nitroarginine methyl ester) establishes foetal growth restriction and induces structural and functional lung changes in a multi-insult animal model of bronchopulmonary dysplasia**  
**PA2648** Marnel Greyling (Leuven, Belgium), Jaan Toelen, Yannick Regin, Emilie Goffinon
- 
- Gene expression analysis of bronchial epithelium in adults with a history of bronchopulmonary dysplasia (BPD) compared to relevant control groups**  
**PA2649** Martina Bonatti (Solna, Sweden), Iryna Kolosenko, Klementy Shchetynsky, Petra Um Bergström, Eva Berggren Broström, Magnus Sköld, Åsa Maria Wheelock
- 
- Molecular hallmarks of lung cellular senescence in the bleomycin-induced and spirometry-confirmed mouse model of IPF**  
**PA2650** Asbjørn Graver Petersen (Hørsholm, Denmark), Susanne Pors, Emma Rørbeck, Henrik H. Hansen, Michael Feigh

**PS-7** **Session 250** **08:00 - 09:30**

**Poster session: Mucus dynamics and cellular secretion in pulmonary health and disease**

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

**Method(s)** : Cell and molecular biology Physiology Pulmonary function testing Imaging

**Tag(s)** : Translational

**Chairs** : Janna Nawroth (Munich, Germany), Jérémy Charriot (Montpellier Cedex 5, France)

- Pathogenic extracellular vesicles link smoking to COPD**  
**PA2651** Kristopher Genschmer (Birmingham, United States), Camilla Margaroli, Matthew C Madison, Derek W Russell, James M Wells, Ezgi Sari, Yixel Soto-Vazquez, Yuanyuan Guo, Kyle T Mincham, Robert J Snelgrove, Amit Gaggar, James E Blalock
- 
- Macrophage-Derived Exosomes Promote Lung Fibroblast Activation in Response to Cigarette Smoke**  
**PA2652** Renata Esposito (Caserta, Italy), Davida Mirra, Francesca Panico, Giuseppe Spaziano, Joselyn Rojas-Quintero, Francesca Polverino, Bruno D'Agostino
- 
- Identification of molecular candidates of cilia-associated alterations in asthma**  
**PA2653** Maëva A. Devilliers (Reims, France), Audrey Brisebarre, Laure Petit, Myriam Polette, Gaëtan Deslée, Valérian Dormoy, Jeanne-Marie Perotin, Camille Taillé
- 
- Structure-function relationships of mucociliary clearance in human airways**  
**PA2654** Janna Nawroth (Munich, Germany), Doris Roth, Tugce Sahin, Feng Ling, Eric Quiroz, Ben Calvert, Anne Van Der Does, Pieter Hiemstra, Annemarie Van Schadewijk, Sarah Glasl, Tankut Güney, Niels Tephro, Laura Von Schledorn, Ruth Olmer, Eva Kanso, Ryan Amy
- 
- Measuring mucus rheology in airway epithelial cultures for donor and disease phenotyping**  
**PA2655** Feng Ling (munich, Germany), Tugce Sahin, Janna Nawroth
- 
- Alveolar macrophage derived miR-380 drives chronic mucus hypersecretion via regulation of airway epithelial cell CFTR**  
**PA2656** Jingxi Zhang (Shanghai, China), Xueting Yue, Donghai Chen, Guanglin Zhu, Yiping Han, Chong Bai, Yuchao Dong
- 
- Water sorption capacity of airway mucus in COPD patients vs. mucus of patients without lung pathology following mechanical ventilation**  
**PA2657** Georg Nilus (Dortmund, Germany), Maik Schroeder, Ulrike Domanski, Stanislav Tatkov
- 
- Targeting mucus hyperproduction in COPD using siRNA-loaded switchable lipid nanoparticles to silence SPDEF**  
**PA2658** Isabelle Dupin (Bordeaux, France), Thais Pivetta, Aurore Guédin-Beaurepaire, Eloïse Latouille, Elise Maurat, Matthieu Thumerel, Patrick Berger, Jeanne Leblond Chain
- 
- Late Breaking Abstract - The club cell circadian clock regulates airway barrier integrity**  
**PA2659** Jafar Cain (Manchester, United Kingdom), Felicity Hunter, Vishvangi Deugi, John Blaikely, Amlan Chakraborty, Julie Gibbs, Hannah Durrington

- PA2660** **Effect of cigarette smoke extract on cell-free DNA release from bronchial epithelial cells.**  
Omar Alqarni (Jeddah, Saudi Arabia), Mushabbab Alahmari, Abdulrahman Alghamdi, Laura Matthews, Linhua Pang, Rachel Clifford, Amanda Tatler
- PA2661** **Phospholipid composition of the respiratory tract lining fluid (RTLFL) in subjects with Asthma and COPD**  
Jeong Lim Kim (Gothenburg, Sweden), Spela Kokelj, Sanna Kjellberg, Per Larsson, Sven-Erik Dahlén, Valentyna Yasinska, Per Wollmer, Andrei Malinowski, Anna-Carin Olin
- PA2662** **Effect of vaping on mucociliary activity in nasal epithelial cell cultures of adolescents**  
Loretta Müller (Bern, Switzerland), Angelina Messerli, Fabienne Hagmann, Tina Bachmann, Susan De Groof, Philipp Latzin, Julian Jakob, Reto Auer
- PA2663** **Refinement of a new method to estimate human bronchial epithelial cells ciliary beat frequency: effect of salmeterol**  
Stefano Palea (Labege, France), Sekou Diarra, Lea Domenge, Jan Markus, Alain Kamgoué
- PA2664** **Ciliary movement analysis in primary ciliary dyskinesia with a long deletion in DRC1**  
Miki Abo (Kanazawa (Ishikawa), Japan), Kenta Yamamura, Noriyuki Ohkura, Johsuke Hara, Seiji Yano, Kazuhiko Takeuchi
- PA2665** **Bronchial smooth muscle cells release prostaglandins and 15-LOX metabolites in response to different inflammatory stimuli**  
Rana Melisa Seren (Stockholm, Sweden), Willem Abma, Johan Kolmert, Jesper Säfholm, Craig E. Wheelock
- PA2666** **Airway pH regulatory proteins are present and altered in asthma**  
Laura Smith (INDIANAPOLIS, United States), Taiya Edwards, Britney Nilli, Nadzeya Marozkina, Olivia Giddings, Benjamin Gaston, Michael Davis
- PA2667** **Alteration of airway pH by asthma-relevant cytokines**  
Michael Davis (Indianapolis, United States), Ivana Daniels, Taiya Edwards, Britney Nilli, Laura Smith, Nadzeya Marozkina, Ben Gaston
- PA2669** **Modeling mucus plugging during type 2-high severe asthma using human induced pluripotent stem cells (hiPSC).**  
Engi Ahmed (Montpellier, France), Iris Janssen, Said Assou, Anne Sophie Gamez, Manon Vanheerswynghels, Amanda Goncalves, Aurélie Petit, Isabelle Vachier, Tania Maes, John De Vos, Hamida Hammad, Arnaud Bourdin, Bart Lambrecht
- PA2670** **IL-13 drives a mucin phenotype: insights from a human apical out airway organoid model**  
Christoph Beisswenger (Homburg (Saar), Germany), Michelle Brand, Patrick Kempen, Timo Risch, Mariana Guedes, Robert Bals, Felix Ritzmann, Daniela Yildiz

**PS-8** **Session 251** **08:00 - 09:30**

**Poster session: Obstructive sleep apnoea and other sleep disorders in different population groups**

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

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

**Chairs :** Marta Susana Monteiro Drummond Freitas (Maia, Portugal), Matteo SICILIANO (ROMA, Italy)

- PA2671** **Pregnancy and sleep symptoms - where does respiratory disease start?**  
Jorge Daniel Ambrósio Montês (Lisbon, Portugal), Mónica Grafino, Ana Alfaiate, Jorge Lima, Sofia Tello Furtado
- PA2672** **Gender-specific features of respiratory events in obstructive sleep apnea hypopnea syndrome**  
Ines moussa (ariana, Tunisia), Sarra Ben Sassi, Hana Mrassi, Mariem Friha, Asma Allouche, Sarah Trimech, Imen Sahnoun, Leila Douik El Gharbi
- PA2673** **The pathophysiology of obstructive sleep apnea syndrome in women: role of low arousal threshold.**  
Caterina Antonaglia (Trieste (TS), Italy), Gloria Maria Citton, Antonio Fabozzi, Alessia Steffanina, Silvia Giannone, Mattia Lugli Manna, Giulia Prezioso, Francesco Salton, Barbara Ruaro, Paolo Palange, Marco Confalonieri
- PA2674** **Sex differences in obstructive sleep apnoea severity, symptoms, and polysomnographic features: The Turkish Sleep Apnoea Database (TURKAPNE) Study**  
Aylin Pihtili (Istanbul, Turkey), Esen Kiyani, Aykut Cilli, Baran Balcan, Nejat Altintas, Aylin Özsancağ Ugurlu, Hikmet Firat, Özen Basoglu, Yüksel Peker, The Turkapne Study Group
- PA2675** **Temporal association of interictal discharges with respiratory events in patients with sleep-disordered breathing and epilepsy**  
Christian Horvath (Bern, Switzerland), Hristina Drangova, Jakub Stefela, Carolin Schäfer, Frederic Zubler
- PA2676** **Comorbid OSA and RBD: the evil or the friend?**  
Mariana Ribeiro Marçal (Rio Maior, Portugal), Ana Brás, Joaquim Moita



- PA2677 Sleep-related breathing disorders in auto-immune encephalitis.**  
Maxime Patout (Paris, France), Lina Jeantin, Ana Gales, Dimitri Psimaras, Ines Zaien, Thomas Similowski, Isabelle Arnulf
- PA2678 A negative effect by ATC N-class treatment in OSA patients with concomitant psychiatric disease: an ESADA cohort study.**  
Francesco Fanfulla (Pavia (PV), Italy), Pasquale Tondo, Sebastien Bailly, Maria Rosaria Bonsignore, Jan Hedner, Jean-Louis Pepin, Ludger Grote
- PA2679 Pre-existing sleep disorders and risk of COVID-19: A meta-analysis**  
Jiawei Zhou, Xia Li, Ting Zhang, Ziyang Liu, Peng Li, Na Yu, Wei Wang
- PA2680 Prevalence of obstructive sleep apnoea in patients with difficult-to-treat asthma**  
Kristina Zihelr (Ljubljana, Slovenia), Peter Kopač, Irena Šarc
- PA2681 Utilizing machine learning-based cluster analysis for sleep phenotypes identification in COPD patients**  
Pegah Soltani Samani (Tehran, Islamic Republic of Iran), Amir Sharafkhaneh, Nicola A. Hannia, Sara Nowakowski, Ritwick Agrawal, javad razjouyan
- PA2682 The effect of hospitalization on sleep quality and insomnia in COPD patients**  
Canan Gunduz, Muhsin Umut Okay, Ahmet Dilaver, Rumeysa Sonmez, Dilem Anıl Tokyay, Ayşem Aşkın Öztin Guven, Selma Aydoğan Eroglu
- PA2683 Triple trouble – new insights in the COPD-OSA overlap syndrome**  
Daniel Hansson (Gothenburg, Sweden), Lowie Vanfleteren, Anders Andersson, Ding Zou, Jan Hedner, Ludger Grote
- PA2684 A prospective study analysing the prevalence of sleep disordered breathing in stable patients of congestive heart failure with reduced ejection fraction**  
Abhinav Bhosle (Vadodara (Gujarat ), India), Iram Fatima Sayed, Amita Nene
- PA2685 Impact of high-risk of obstructive sleep apnea on health-related quality of life: The Korean National Health and Nutrition Examination Survey 2019–2021**  
Min-Seok Chang (Wonju, Republic of Korea), Inso Jo, Iseul Yu, Sunmin Park, Seok Jeong Lee, Suk Joong Yong, Won-Yeon Lee, Sang-Ha Kim, Ji-Ho Lee
- PA2686 Risk factors for Obstructive Sleep Apnoea (OSA) in Indian patients: Results from Sleep- Apnoea Indian Registry (S-AIR)**  
Pratibha Dogra (Gurgaon (Haryana), India), Himanshu Garg, Pratibha Dogra, Prerana Garg, Nikita Jajodia, Deepak Talwar, Virendra Singh, Nishtha Singh, Bp Singh, Prabhat Sahai, Samir Sahu, Manoj Goel, Dipti Gothi, Sonia Dalal, Suryakant Tripathi, Deependra Rai, Saurabh Karmakar, Prabhu Desai, Mahavir Modi, Indranil Halder, Paramez Ar, Raja Dhar, Milind Sovani, David Cunningham
- PA2687 Does the PSQI correlate with Polysomnography in an Indian population?**  
Lancelot Pinto (Mumbai, India), Sharvari Desai, Soumik Kalita, Shobha Iyer, Apurva Halbe, Jagmeet Madan, Shobha Udipi, Rama Vaidya, Ashok Vaidya
- PA2688 Cross sectional study of the prevalence of Obstructive Sleep Apnea Syndrome (OSAS) and of the awareness regarding OSAS in a population of the geographical regions of Epirus, Western Greece and Central Greece.**  
Sotirios Zarogiannis (Larisa, Greece), Efthymios Fountas, Petros Kassas, Georgios Vavougiou, Chrissi Hatzoglou, Konstantinos Gourgoulis
- PA2689 Sleep Environment in an Tertiary Intensive Care Unit during a Double-Blind Randomized Controlled Trial**  
Samer Najem (Pontoise, France), Aline Hajj, Sabrina Nasreddine, Marc Raad, Andrea Maalouf, Albert Riachy, Ali Rammal, Rita Khoury, Fabienne Hajj Moussa Lteif, Ihab Ibrahim, Jocelyne Abou Jaoude, Roula Bou Serhal, Ghassan Sleilat, Jamile Douaihy, Tamine Massoud, Moussa Riachy
- PA2690 Chronotype Variations in Sleep Apnea Patients: Co-Existing Symptoms & Comorbidities**  
Nikolaos Athanasiou (Athens, Greece), Vassilis Vlahakos, Miltiadis Chrysanthidis, Christina Klamenakou, Eleni Giorgi, Spyridoula Andrioti, Maria Georgakopoulou, Emmanouil Vagiakis, Georgia Trakada

## PS-9 Session 252 08:00 - 09:30

## Poster session: Exploring fundamental pathophysiological aspects of sleep-disordered breathing

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

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

Tag(s) : Translational

Chairs : Ludovico Messineo (Boston, United States), Sébastien Baillieux (Grenoble CEDEX 9, France)

- PA2691 Gender differences in the metabolome of symptomatic obstructive sleep apnoea patients**  
Alan Altraja (Tartu, Estonia), Ott Kiens, Viktoria Ivanova, Egon Taalberg, Ketlin Veeväli, Ragne Tamm, Triin Laurits, Martin Juss, Tuuliki Hion, Roman Pihlakas, Kalle Kilk, Ursel Soomets
- PA2692 Multidimensional phenotyping to distinguish among distinct obstructive sleep apnea, chronic obstructive pulmonary disease, and overlap syndrome phenotypes**  
Ophélie Coiffier (La Tronche, France), Pasquale Tondo, Marie Joyeux-Faure, Renaud Tamisier, Khier Amrani, Jean-Claude Cornu, Robin Terrail, Christian Caussé, Sébastien Bailly, Jean-Louis Pépin
- PA2693 Molecular insights into hypoxic burden physiopathology in OSA: a proteomic perspective**  
Lucia Pinilla (Adelaide, Australia), Krish Dodani, Iván Benitez, Neda Esmaeli, Esther Gracia-Lavedán, Gerard Torres, Olga Minguez, Dolores Martinez, Miguel Ángel Martínez-García, Jorge Abad, Maria José Masdeu, Olga Mediano, Carmen Muñoz, Valentín Cabriada, Joaquín Duran-Cantolla, Mercedes Mayos, Ramón Coloma, Josep María Montserrat, Mónica De La Peña, Irene Cano-Pumarega, Ferran Barbé, Ali Azarbarzin, Manuel Sánchez-De-La-Torre
- PA2694 Skin Conductance as a Relaxation Capacity Indicator in COVID-19 Survivors with Insomnia**  
Michelle Iran Aboyte Pedroza (IZTAPALAPA, Mexico), Viridiana Peláez-Hernández, Arturo Orea-Tejeda, Sandra Denisse Enríquez-Godefroy, Frida Uribe-Gaspar, Karen Sánchez-Martínez, Aranza Aguirre-Mitchell, Frida Albarran-Lopez, Tomas Peña Espinosa
- PA2695 The damage mechanism of intermittent hypoxia in disrupting the circadian rhythm and metabolism of idiopathic pulmonary interstitial fibrosis.**  
Dan Liu (Tianjin, China), Jing Feng
- PA2696 Novel ex vivo model for studying the neuronal synaptic response in precisely cut brain tissue slices subjected to controlled hypoxic patterns**  
Alicia Jurado (Barcelona, Spain), Anna Pérez-González, Ramon Farré, Xavier Gasull, Isaac Almendros
- PA2697 Post stroke OSA: the effect of intermittent hypoxia on cerebrovascular recovery.**  
Bayan EL amine (GRENOBLE, France), Benjamin Lemasson, Florence Fauvelle, Anne Briançon\* Marjollet, Claire\* Rome
- PA2698 Prognostic value of miRNAs in obstructive sleep apnea and metastatic colorectal cancer patients**  
piera soccio (Foggia (FG), Italy), Giorgia Moriondo, Pasquale Tondo, Giulia Scioscia, Roberto Sabato, Terence Campanino, Giuseppe Mansueto, Francesco Traversa, Simone Sorangelo, Maria Pia Foschino Barbaro, Donato Lacedonia
- PA2699 INFLUENCE OF OBSTRUCTIVE SLEEP APNEA ON OXIDATIVE STRESS IN PREGNANCY**  
Laura Cànaves (Palma de Mallorca, Spain), Paloma Gimenez Carrero, Amanda Iglesias, Ainhoa Alvarez Ruiz De Larrinaga, Andrés Sanchez Baron, Mercedes Codina, Mónica De La Peña Bravo, Daniel Morell Garcia, Jose Peña Zarza, Concepcion Piñas Zebrian, Susana García Fernandez, Alberto Alonso Fernandez
- PA2700 The effect of continuous positive airway pressure (CPAP) therapy on serum caspase-3 level in patients with obstructive sleep apnea (OSA)**  
Pinar Yıldız Gülhan (duzce, Turkey), Mustafa Kemal Kaypak, Ali Nihat Annakkaya, Fatih Davran, Uğur Yüregir
- PA2701 Raman analysis of saliva from OSA patients: biophotonic-based point-of-care for disease monitoring and management.**  
Elvia Giovanna Battaglia (Milano (MI), Italy), Elena Compalati, Luana Forleo, Alice Gualerzi, Paolo Banfi, Valentina Poletti, Marzia Bedoni
- PA2702 Correlation of mean platelet volume (MPV) and red blood cell distribution width (RDW) with obstructive sleep apnea syndrome (OSAS) severity**  
Kostas Papavassiliou (Athens, Greece), Kyriaki Cholidou, Nektarios Anagnostopoulos, Vassiliki Gogou, Agamemnonas Bakakos, Zoi Sotiropoulou, Stavrina Zanelli, Annita Papasarandou, Christina Anagnostopoulou, Effie Ferdianaki, Andriana Papaioannou, Petros Bakakos
- PA2703 Gender differences between OSA severity regarding pectoralis muscle area and indices**  
Burcu Arpinar Yigitbas (Istanbul, Turkey), Nilufer Tekin, Sacit Icten, Irem Uzun, Esra Yazar
- PA2704 Do symptoms and comorbidities predict OSA severity in hypertension patients?**  
Sofia R. Lopes (Viseu, Portugal), Mafalda Van Zeller, Helena Silva, Margarida Fonseca, Rui Ribeiro, Diana Ferrão, Manuel Capelas, Luís Silva, Marta Drummond
- PA2705 Prevalence and characteristics of patients with obstructive sleep apnea (OSA) and Chronic Obstructive Pulmonary Disease (COPD): "Overlap Syndrome"**  
Eirini Vasarmidi (Heraklion (Crete), Greece), Michail Fanaridis, Izolde Bouloukaki, Georgios Stathakis, Nikolaos Tzanakis, Violeta Moniaki, Eleni Mavroudi, Ioanna Tsiligianni, Sophia Schiza
- PA2706 Sleep abnormalities in patients with overweight/obesity: not only an OSAS issue**  
Stefania Redolfi (Cagliari, Italy), Chiara Sanna, Chiara Bertonazzi, Andrea Deledda, Lorenzo Puglia, Monica Puligheddu, Fernanada Velluzzi

PA2707	<b>Cancer in the Long-Term Care of Patients with Obstructive Sleep Apnea: a closer look</b> Inês Ferreira Carvalho (Porto, Portugal), Pedro Magalhães Ferreira, Marta Drummond
PA2708	<b>Sleep Bruxism: Dual Role in Obstructive Sleep Apnoea Syndrome</b> EMMANOUIL VERYKAKIS (Athens, Greece), Iliá Roussou, Eirini Kokiou, Stylianos Loukides, Vasileios Paraschou, Georgia Kontonasiou, Aikaterini Vlami
PA2709	<b>Feasibility of an acoustic diagnostic device for the diagnosis of obstructive sleep apnoea in patients with intellectual disabilities.</b> Lachlan Stranks (London, United Kingdom), Mohammad Abdulsalam, David O'Regan, Joerg Steier, Alanna Hare
PA2710	<b>Late Breaking Abstract - BIOMARKER ALBUMIN MODIFIED BY ISCHEMIA AS A PREDICTOR OF FUTURE CARDIOVASCULAR RISK IN PATIENTS WITH SLEEP APNEA SYNDROME AND TREATMENT WITH CPAP VS USUAL CARE TREATMENT</b> Maria Castillo Garcia (guadalajara, Spain), Pilar Resano Barrio, Sofia Romero Peralta, Olga Mediano, Ferrán Barbé, Esther Solano Pérez, Carolina Cubillos Zapata, Francisco García Río, Manuel Sánchez De La Torre

## C2 Session 253 08:30 - 10:00

### State of the art session: Paediatric

**Aims :** To discuss important topics in paediatric respiratory medicine such as chronic cough in children, how useful preschool lung function is in daily clinics and which method should be used, and how complicated pneumonia in children can be managed and treated; to discuss lung involvement in systemic diseases in children, and how to detect and treat it.

**Disease(s) :** Paediatric respiratory diseases Respiratory infections

**Method(s) :** Epidemiology Imaging Physiology

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester, United Kingdom), Sejal Saglani (London, United Kingdom)

08:30	<b>Diagnostic approach to chronic cough in children</b> Anne Chang (Brisbane (QLD), Australia)	2711
08:45	<b>Preschool lung function: which test is helpful in clinics?</b> Shannon Simpson (Perth (WA), Australia)	2712
09:00	<b>Management of complicated pneumonia in children</b> Eitan Kerem (Jerusalem, Israel)	2713
09:15	<b>Lung involvement in systemic diseases: diagnosis and management</b> Sharon Dell (Vancouver, British Columbia, Canada)	2714
09:30	<b>Discussion and Q&amp;A</b> All Speakers	2715

## C5 Session 254 08:30 - 10:00

### Symposium: Implementing new strategies and treatments in asthma and chronic obstructive pulmonary disease

**Aims :** To update European Respiratory Society members on the novel therapies developed in recent years for airway diseases, asthma and chronic obstructive pulmonary disease; to explore the current status and future of innovative and well-established therapies that can be accessed to help patients.

**Disease(s) :** Airway diseases

**Method(s) :** Epidemiology Public health

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational)

**Chairs :** Emer Kelly (Dublin 4, Ireland), Augusta Beech (Manchester, United Kingdom), Stylianos Loukides (Athens, Greece)

08:30	<b>Anti-inflammatory reliever in clinical practice in asthma: how to implement in the background of GINA?</b> Anneke ten Brinke (Leeuwarden, Netherlands)	2716
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08:45	<b>Biological therapy in asthma: how to deal with the many options available</b> Florence Schleich (Liège, Belgium)	2717
09:00	<b>Dual phosphodiesterase 3 and 4 inhibitors: the new kind of COPD blocker?</b> Paola Rogliani (Roma (RM), Italy)	2718
09:15	<b>Biologics in COPD a recipe for failure or success?</b> Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	2719
09:30	<b>Discussion and Q&amp;A</b> All Speakers	2720

## C1 Session 255 08:30 - 10:00

### Hot topics: Chronic respiratory disease burden in Europe: towards health equity in 2050

#### World Health Organization and European Respiratory Society recent outputs

**Aims :** To summarise recent outputs of the European Respiratory Society (ERS) and World Health Organization (WHO)-Europe initiative on chronic respiratory disease, latest results of the Global Burden of Disease (GBD) 2021, International Respiratory Coalition, Global Alliance on Chronic Diseases (GACD), Federation of International Respiratory Societies (FIRS) and other international initiatives on chronic respiratory diseases; to explain new developments for these and other respiratory conditions; to expand the network of respiratory collaborators. The forthcoming Joint Report of the WHO Regional Office for Europe and ERS on Chronic Respiratory Disease in the WHO European Region: Towards Health Equity in 2050, together with GBD 2021, the International Respiratory Coalition and other international initiatives, focuses on population-based chronic respiratory disease findings, research cooperation and future developments. A brief update by all participating sides will be given at this event.

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Journalist

**Chairs :** Ane Johannessen (Bergen, Norway), Anita Simonds (London, United Kingdom), Joan B Soriano (Madrid, Spain)

08:30	<b>Introduction</b> Hans Henri P. Kluge (Copenhagen, Denmark)	2721
08:35	<b>The WHO Europe focus on non-communicable diseases in general and chronic respiratory disease in particular</b> Galea Gauden (Copenhagen, Denmark)	2722
08:50	<b>Diversity and inequities in respiratory health in Europe and beyond</b> Guy F. Joos (Ghent, Belgium)	2723
09:05	<b>The Global Burden of Disease 2021 of respiratory disease: methods and results on asthma, chronic obstructive pulmonary disease and others</b> Theo Vos (Seattle, United States)	2724
09:20	<b>Digital health and other innovative solutions in non-communicable diseases to be applied in chronic respiratory diseases</b> Jessilyn Dunn (Durham, United States)	2725
09:35	<b>Discussion and Q&amp;A</b> All Speakers	2726

## C6 Session 256 08:30 - 10:00

### Symposium: Right heart failure in pulmonary hypertension

#### Cournand lecture session. Imaging and molecular mechanisms

**Aims :** To provide an update on right heart failure research in the setting of pulmonary hypertension.

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

**Method(s) :** Cell and molecular biology Imaging

**Tag(s) :** Translational

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

**Chairs :** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Emma Grainger (London, United Kingdom)

08:30	<b>Artificial intelligence tools to standardise right heart imaging</b> Andy Swift (Sheffield (South Yorkshire), United Kingdom)	2727
08:45	<b>Right ventricular sequencing: what can we learn from failure?</b> Soni Savai Pullamsetti (Giessen, Germany)	2728
09:00	<b>BMP/TGFbeta signaling and right heart failure</b> Frances S. de Man (Amstelveen, Netherlands)	2729
09:15	<b>Why the right heart should be a concern for the pulmonologist</b> Khodr Tello (Lich, Germany)	2730
09:30	<b>Discussion and Q&amp;A</b> All Speakers	2731

## A2 Session 257 08:30 - 10:00

### Year in review: Scientific year in review

**Aims :** To provide an overview of basic and translational scientific highlights and major achievements in the respiratory field within the past year, focusing on metabolic changes and abnormalities in interactions between immune and structural cells during lung aberrant tissue damage and repair responses in lung ageing and disease; to provide an overview of various key publications that are expected to have a major impact in the respiratory field and with high clinical relevance based on promising results in preclinical models; to cover a variety of pulmonary diseases; to discuss the potential for clinical translation of novel therapeutic strategies.

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

**Method(s) :** Cell and molecular biology Imaging

**Tag(s) :** Translational

**Target audience :** Clinical researcher, Pathologist, Scientist (basic, translational)

**Chairs :** H. Irene Heijink (Groningen, Netherlands), Salman Siddiqui (London, United Kingdom)

08:30	<b>Unveiling the role of resident immune cells in respiratory disease</b> Martijn C. Nawijn (Groningen, Netherlands)	2732
08:45	<b>Metabolic regulation of immune cells in COPD</b> Theodore Kapellos (Munich, Germany)	2733
09:00	<b>The fibroblast-lymphocyte-stem cell axis and regulation of inflammation and regeneration</b> Nancy Allen (San Francisco, United States)	2734
09:15	<b>Novel insights on immune system aberrations in pulmonary fibrosis</b> Naftali Kaminski (New Haven, United States)	2735
09:30	<b>Discussion and Q&amp;A</b> All Speakers	2736

## C3 Session 258 08:30 - 10:00

### Symposium: Evolution of mesothelioma therapy informed by modern phenotyping and stratification

**Aims :** To summarise progress made using tissue and imaging features, including use of artificial intelligence; to provide a staging update, including the value of ancillary tests, such as positron emission tomography-computed tomography and magnetic resonance imaging, and a summary of the 9th edition of the TNM algorithm, which will be published prior to congress; to cover radical therapeutic approaches, including a detailed review of the recent MARS2 surgical trial and adjuvant strategies; to provide a state-of-the-art summary of systemic therapeutic options, including 5-year survival data for combination immunotherapy and outcomes of biomarker-directed therapies emerging from the MIST (Mesothelioma Stratified Therapy) platform, which will both be available before the congress.

**Disease(s) :** Thoracic oncology

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

**Tag(s) :** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

**Chairs :** Torsten Gerriet Blum (Berlin, Germany), Andriani Charpidou (Athens, Greece), Wouter H. van Geffen (Leeuwarden, Netherlands)

08:30	<b>Molecular and histo-morphological insights informed by deep phenotyping in mesothelioma</b> Didier Jean (Paris, France)	2737
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08:45	<b>Anatomical staging and heterogeneity in mesothelioma: implications for trial design and treatment planning'</b> Kevin Blyth (Glasgow (Glasgow), United Kingdom)	2738
09:00	<b>The role of therapeutic combinations involving surgery post-MARS2</b> Didier Schneider (Zürich, Switzerland)	2739
09:15	<b>The changing systemic therapeutic landscape in mesothelioma: stratified therapy and long-term outcomes from immunotherapy</b> Dean Anthony Fennell (Leicester (Leicestershire), United Kingdom)	2740
09:30	<b>Discussion and Q&amp;A</b> All Speakers	2741

## Studio Session 259 09:00 - 09:15

### News from the studio: News from the studio 2

**Aims :** To introduce and summarise the congress programme for a day.

**Chairs :** Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Ingeborg Farver-Vestergaard (Vejle, Denmark)

## C4 Session 261 09:15 - 10:00

### Guidelines session: Diagnosis and management of pulmonary alveolar proteinosis

#### European Respiratory Society clinical practice guidelines

**Aims :** To discuss pulmonary alveolar proteinosis; to present the recently competed European Respiratory Society guidelines for the diagnosis and management of pulmonary alveolar proteinosis (PAP).

**Disease(s) :** [Interstitial lung diseases](#) [Paediatric respiratory diseases](#) [Respiratory critical care](#)

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Radiologist, Thoracic surgeon, Respiratory therapist

**Chairs :** Cormac McCarthy (Dublin 4, Ireland), Sara Tomassetti (Florence, Italy), Ádám Domonkos Tárnoki (Budapest, Hungary)

09:15	<b>Patient's perspective</b> Sunita Dhir (Leicester, United Kingdom)	2743
09:20	<b>Pulmonary alveolar proteinosis: diagnostic guidelines</b> Francesco Bonella (Essen, Germany)	2744
09:35	<b>Pulmonary alveolar proteinosis: management guidelines</b> Elisabeth Bendstrup (Aarhus N, Denmark)	2745
09:50	<b>Discussion and Q&amp;A</b> All Speakers	2746

## Studio Session 262 09:20 - 10:05

### Deep Dive: Improving adherence and changing behaviour

**Aims :** To explore how to support healthcare behaviour change and adherence

**Tag(s) :** Clinical

**Chairs :** Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Ingeborg Farver-Vestergaard (Vejle, Denmark)

09:20	<b>Understanding health behaviour change</b> Liz Steed (London, United Kingdom)	2747
09:30	<b>How can clinicians help their patients to adhere to medication?</b> Przemyslaw Kardas (Lodz, Poland)	2748
09:40	<b>Panel discussion and Q&amp;A</b> Job F.M. van Boven (Groningen, Netherlands), Mikaela Odemyr (Järved, Sweden)	2749

## A1 Session 263 09:30 - 10:45

### Oral presentation: Transitioning from basic science to translational research in sleep-disordered breathing

**Disease(s) :** Sleep and breathing disorders Airway diseases**Method(s) :** Physiology General respiratory patient care Cell and molecular biology Public health**Tag(s) :** Translational**Chairs :** Carolina Lombardi (Milano (MI), Italy), Adriano D. S. Targa (Lleida, Spain)

**OA2750** **Late Breaking Abstract - Prevalence and incident subclinical atherosclerosis in obstructive sleep apnea. The EPIOSA study**  
Jose Maria Marin Trigo (Zaragoza, Spain), Ana V, Gil, Pablo Cubero, Raquel Langarita, Teresa Martin, Aaron Garrido, Marta Marin-Oto, David Sanz-Rubio

**OA2751** **Revealing therapeutically actionable targets in Obstructive Sleep Apnea through machine learning-based miRNome analysis**  
Thalia Belmonte (Lleida, Spain), Olga Mínguez, María Aguilà, Iván D. Benítez, Lucía Pinilla, Marta Molinero, Anna Moncusí-Moix, Gerard Torres, Olga Mediano, Juan F. Masa, Maria J. Masdeu, Alberto Gómez-Carballa, Antonio Salas, Federico Martínón-Torres, Ferrán Barbé, Manuel Sánchez De La Torre, David De Gonzalo-Calvo

**OA2752** **Novel pulse oximetry-derived measures of obstructive sleep apnoea severity and cardiovascular function in heart failure with preserved ejection fraction patients.**  
Glenn Stewart (Sydney, Australia), Benjamin Tong, Philip De Chazal, Sean Lal, John O'Sullivan, Peter Cistulli

**OA2753** **EFFECT OF OBSTRUCTIVE SLEEP APNEA DURING PREGNANCY ON FETAL DEVELOPMENT: GENE EXPRESSION PROFILE IN CORD BLOOD**  
Laura Cànaves (Palma de Mallorca, Spain), Aarne Fleischer, Josep Muncunill, Paloma Gimenez, Amanda Iglesias Coma, Ainhoa Alvarez Ruiz De Larringa, Andrés Sanchez Baron, Mercedes Codina Marcet, Monica De La Peña Bravo, Daniel Morell Garcia, José Peña Zarza, Concepción Piñas Zebrian, Susana García Fernández, Alberto Alonso Fernández

**OA2754** **OSA induces an altered proteomic profile linked to cardiovascular and organ damage in nocturnal hypertension**  
Krish Dodani (Lleida, Spain), Lucía Pinilla, Iván D Benítez, Esther Gracia-Lavedan, Gerard Torres, Olga Mínguez, María Aguilà, Adriano Targa, Mireia Dalmases, Olga Mediano, Irene Cano-Pumarega, Juan F Masa, María J Masdeu, Ferrán Barbe, Manuel Sánchez-De-La-Torre

**OA2755** **Impact of CPAP on miR-210-3p, miR485-5p and the LncRNAs MALAT1/BACE1-AS in OSA**  
Francesco Fanfulla (Pavia (PV), Italy), Veronica Barbi, Michela Gottardi Zamperla, Tiziana Bachetti, Elena Robbi, Irene Risi, Maria Teresa La Rovere, Carlo Gaetano

**OA2756** **PFKFB3 driven glycolysis mediates inflammation and Leukocyte Extravasation in CIH induced atherosclerosis**  
Shiqi Li (shanghai, China), Qingyun Li

**OA2757** **PSGL-1/SIGLEC-5 and CD39/CD73 axes are dysregulated in obstructive sleep apnea**  
Elena Díaz García (Madrid, Spain), Aldara García-Sánchez, Enrique Alfaro-García, Cristina López-Fernández, Eva Mañas, Raquel Casitas, Irene Cano-Pumarega, Eduardo López-Collazo, Francisco García-Río, Carolina Cubillos-Zapata

**OA2758** **Auto-CPAP performances to Real-life Leak Patterns: A High-fidelity Modeling Approach**  
Marius Lebret (ROUEN, France), Mathéo Richard, Emeline Fresnel, Jean-Pierre Mallet, Raphael Gilson, Adrien Kerfourn, Maxime Patout, Dany Jaffuel

**OA2759** **Adaptive servo-ventilation (ASV) in patients with central or complex sleep apnoea and associated cardiovascular comorbidities: the READ-ASV registry**  
Michael Arzt (Regensburg, Germany), Oliver Munt, Raphael Heinzer, Jean-Louis Pépin, Adam Benjafeld, Holger Woehrle

**OA2760** **Discussion and Q&A**  
All Speakers

A3

Session 264

09:30 - 10:45

**Oral presentation: Respiratory care in the digital age: innovative applications and their evidence****Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** Pulmonary rehabilitation Epidemiology Public health General respiratory patient care Respiratory intensive care**Tag(s) :** Congress theme: Humans and Machines: getting the balance right, Translational**Chairs :** Niels H. Chavannes (Leiden, Netherlands), Io Hui (Edinburgh (Edinburgh), United Kingdom)

**OA2761** **Late Breaking Abstract - Assessment of an electronic system on the impact on inhaler skills and technique – ASSIST study**  
Clare Murray (Manchester, United Kingdom), Naomi Brooke, Mark Sanders

**OA2762** **Clinical scenarios in paediatric pulmonology: Can large language models fare better than trainee doctors?**  
Manjith Narayanan (Oadby, Leicester, United Kingdom), Jeremie Juan, Kayla Duverger, David Armstrong, Florian Gahleitner, Kenneth A Macleod, Catherine Mcdougall, Stefan A Unger, Don S Urquhart

- OA2763 Application of ChatGPT for clinical decision-making in patients with community-acquired pneumonia.**  
Vitalii Poberezhets (Vinnytsia, Ukraine), Diana Livakovska, Nataliia Slepchenko, Serhii Livakovskiy
- OA2764 Using language models to integrate clinical decision support and note taking: a qualitative study**  
Amin Adibi (Vancouver, Canada), Rocco Tian Lang Ruan, Xiulun Yin, Yusheng Ding, Karon E. Maclean
- OA2765 Predicting Disease Severity using Novel Digital Mobility Outcomes: A Deep Learning Approach in COPD Patients**  
Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom), Joren Buekers, Laura Delgado-Ortiz, Tecla Bonci, Emily Hume, Christopher Buckley, Lisa Alcock, Encarna Mico Amigo, Philip Brown, Silvia Del Din, Carlos Echevarria, Walter Maetzer, Claudia Mazzà, Lynn Rochester, Judith Garcia-Aymerich, Ioannis Vogiatzis
- OA2766 Participant experience of Scottish Ballet's online dance based long COVID support programme: A mixed methods study**  
Keir E. J. Philip (London, United Kingdom), Alexandra Burton, Adam Lewis, Sara C Buttery, Parris J Williams, Michael I Polkey, Daisy Fancourt, Nicholas Hopkinson
- OA2767 Analysis of Instagram publications on bronchial asthma and their compliance with GINA**  
Mariia Tsyben (Vinnytsya, Ukraine), Mariia Matviichuk, Sofiia Matviichuk, Vitalii Poberezhets
- OA2768 Retrospective study on early prediction of major adverse events in general ward with AI algorithm**  
Ki-Byung Lee (Seoul, Republic of Korea), Yong Jun Choi, Sangchul Hahn, Yechan Mun, Yeeun Jeong
- OA2769 Uptake and effectiveness of a Virtual Model of Antenatal Asthma Care (VMAC) compared to a face-to-face model of care: a randomised controlled tele-trial**  
Dennis Thomas (New Lambton Heights, Australia), Vanessa Mcdonald, Eleanor Majellano, Kelly Steel, Peter Gibson
- OA2770 Co-developing and operationalising machine learning models for COPD care in a clinical setting: a workflow framework**  
Chris Carlin (Glasgow (Glasgow), United Kingdom), Andrew Cushing, Shane Burns, Anna Taylor, David J Lowe
- OA2771 Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 265

09:30 - 10:45

## Oral presentation: Airway diseases therapeutics: novel research studies

Disease(s) : **Airway diseases**

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

Chairs : Alexander Mathioudakis (Manchester, United Kingdom), Manali Mukherjee (Hamilton (ON), Canada)

- OA2772 Air trapping measured at HRCT predicts benralizumab response better than blood eosinophil count in severe asthma**  
Arnaud Bourdin (Montpellier Cedex 5, France), Marie Felicia Beclin, Pascal Chanez, Isabelle Vachier, Laurie Pahas, Erika Nogue, Joana Pissarra, Sebastien Bommart, Nicolas Molinari
- OA2773 Time to first moderate or severe COPD exacerbation with tezepelumab (COURSE)**  
Dave Singh (Manchester, United Kingdom), Christopher E Brightling, Klaus F Rabe, Meilan Han, Mohit Bhutani, Jean Bourbeau, Stephanie A Christenson, Mark Dransfield, Parameswaran Nair, Ales Kotalik, Åsa Hellqvist, Gun Almqvist, Navreet S Sindhwani, Monika Gołabek, Nestor A Molfino, Sandhia S Ponnarambil
- OA2774 Late Breaking Abstract - Efficacy of high- and low-dose rilzabrutinib from a phase 2 study**  
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Tanya M. Laidlaw, William Busse, Jorge Maspero, Tian Liu, Jessica Gereige, Leda Mannent, Renata Martincova
- OA2776 KN-002 reduces fractional exhaled nitric oxide in moderate to severe asthma**  
Dave Singh (Manchester, United Kingdom), Christopher O'Brien, Gary Burgess, Julie Young, Frazer Morgan
- OA2775 Anti-inflammatory effects of PDE3/4 inhibitor ensifentrine in peripheral blood mononuclear cells from COPD patients**  
Simon Lea (Manchester (Greater Manchester), United Kingdom), Jian Li, Kieran Littolff, Kajaluckcika Vijayacumaran, Dave Singh
- OA2777 The effects of inhaled corticosteroids on healthy airways**  
Timothy Hinks (Oxford, United Kingdom), Emanuele Marchi, Matthew Richardson, Latifa Chachi, Fiona Symon, Poojitha Rajasekar, Rachel Clifford, Beverley Hargadon, Cary Austin, Salman Siddiqui, Jordan Mar, Joseph Arron, David Choy, Peter Bradding

- OA2778 Inhaled Corticosteroid Treatment Reduces Airway Adaptive Immune Cells in Asthma**  
Daisy Bornesund (Lund, Sweden), Lise Lotte Eriksen, Asger Sverrild, Celeste Porsbjerg, Morten Hvidtfeldt, Jonas Erjefalt
- 
- OA2779 Impact of early transient increase in eosinophils in patients with moderate-to-severe asthma on the long-term efficacy of dupilumab in TRAVERSE**  
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Njira L. Lugogo, Mario Castro, Alberto Papi, Arnaud Bourdin, Michael E. Wechsler, Andréanne Côté, Changming Xia, Mena Soliman, Nami Pandit-Abid, Juby A. Jacob-Nara, Harry Sacks
- 
- OA2780 Ensifentrine improved lung function and reduced moderate/severe exacerbation rate and risk in patients with COPD regardless of chronic bronchitis history**  
Jadwiga Wedzicha (London, United Kingdom), Alejandro Diaz, Tara Rheault, Kathleen Rickard, Amy Dixon, Daniel Reyner, Victor Kim
- 
- OA2781 Improved lung function and asthma control observed with rademikibart in patients with moderate-to-severe asthma**  
Raul Collazo (San Diego, United States), Edward Kerwin, Jiawang Guo, Radha Adivikolanu, Malinda Longphre, Junying Wang, Jili Yun, Wuban Pan, Zheng Wei
- 
- OA2782 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 266

09:30 - 10:45

## Oral presentation: New insights in bronchiectasis

Disease(s) : **Airway diseases**

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

Chairs : Tony De Soya (Newcastle-upon-Tyne, United Kingdom), Antoni Torres Marti (Barcelona, Spain)

- OA2783 Late Breaking Abstract - Exciting phase 1 data on RESP-X, a novel monoclonal antibody targeting a key virulence mechanism of Pseudomonas aeruginosa, with potential as a treatment to reduce exacerbations in non-CF bronchiectasis**  
Colm Leonard (Sale (Cheshire), United Kingdom), Victoria Savage, Nicola Ooi, Juergen Dobmeyer, Derek Lindsay, Lauren Walker, Richard Fitzgerald
- 
- OA2784 Airway eosinophilic inflammation in bronchiectasis: data from the EMBARC-BRIDGE study.**  
Jennifer Pollock (Dundee, United Kingdom), Jeffrey T. J. Huang, Elena Kuzmanova, Morven Shuttleworth, Merete Long, Eva Rodriguez-Suarez, Christopher McCrae, Amelia Shoemark, James D. Chalmers
- 
- OA2785 Evaluation of rapid multiplex PCR for investigation of lung microbiology in bronchiectasis – preliminary data from the BRILLIANT study**  
Lucy Bidgood (Dundee, United Kingdom), Hollian Richardson, Daniela Alferes De Lima Headley, Chandani Hennayake, Thomas Pembroke, Emma Johnson, Holly Lind, Morven Shuttleworth, Kateryna Viligorska, Erin Cant, Megan Crichton, Helen Liddicoat, David Connell, Amelia Shoemark, Eve McIntosh, Kris Ostridge, Adam Platt, Maria Belvisi, Merete Long, Alison J Dicker, James Chalmers
- 
- OA2786 Cardiovascular events in patients with bronchiectasis: Data from the European Bronchiectasis Registry (EMBARC)**  
Benjamin Jaa Ming New (Dundee, United Kingdom), Jamie Stobo, Stefano Aliberti, Josje Altenburg, Francesco Blasi, Wim Boersma, Pierre-Régis Burgel, Megan L Crichton, Anthony De Soya, Katerina Dimakou, J Stuart Elborn, Pieter C Goeminne, Charles S Haworth, Adam T Hill, Michael R Loebinger, Rosario Menendez, Marlene Murriss, Eva Polverino, Felix C Ringshausen, Michal Shteinberg, Antoni Torres, Montserrat Vendrell, Tobias Welte, Robert Wilson, James D Chalmers
- 
- OA2787 Unveiling Cystic fibrosis in Non-CF bronchiectasis patients: Insights from the European Multicentre Bronchiectasis Audit and Research Collaboration(EMBARC) Registry**  
Sivagurunathan Sutharsan (Wuppertal, Germany), James D. Chalmers, Megan L Crichton, Eva Polverino, Anthony De Soya, Montserrat Vendrell, Pierre Régis Burgel, Charles S Haworth, Michael R Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam T Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, J Stuart Elborn, Pieter C Goeminne, Stefano Aliberti, Felix C. Ringshausen
- 
- OA2788 The role of microbiota in varying response to inhaled antibiotics in bronchiectasis patients with chronic Pseudomonas aeruginosa infection: a post-hoc analysis of ORBIT3 and ORBIT4**  
Jamie Stobo (Dundee, United Kingdom), Rebecca Hull, Alison Dicker, Hollian Richardson, Pieter Goeminne, Charles Haworth, Merete Long, James Chalmers

**The international registry for primary ciliary dyskinesia reveals regional variation of genotypes and significant genotype-phenotype correlations**

- OA2789 Johanna Raidt (Münster, Germany), Sarah Riepenhausen, Israel Amirav, Rodrigo A Athanazio, Micha Aviram, Juan E Balinotti, Ophir Bar-On, Sebastian Fn Bode, Mieke Boon, Melissa Borrelli, Siobhan B Carr, Suzanne Crowley, Eleonora Dehlink, Sandra Diepenhorst, Peter Durdik, Bernd Dworniczak, Nagehan Emiralioglu, Ela Erdem, Rossella Fannesu, Serena Gracci, Karolina Gwozdziejewicz, Eric G Haarman, Christine R Hansen, Claire Hogg, Mathias G Holgersen, Eitan Kerem, Robert W Körner, Karsten Kötz, Panayiotis Kouis, Michael R Loebinger, Natalie Lorent, Jane S Lucas, Marcus A Mall, June K Marthin, Vendula Martinu, Henryk Mazurek, Hannah M Mitchison, Ugur Özçelik, Massimo Pifferi, Andrzej Pogorzelski, Felix C Ringshausen, Jobst F Roehmel, Nisreen Rumman, Sandra Rovira-Amigo, Anne Schlegtendal, Amelia Shoemark, Michal Witt, Ewa Ziętkiewicz, Kim G Nielsen, Heymut Omran

**Microbial virulence in bronchiectasis: Insights from the CAMEB 2 cohort**

- OA2790 Fransiskus Xaverius Ivan (Singapore, Singapore), Micheál Mac Aogáin, Tavleen Kaur Jaggi, Amelia Shoemark, Mau Ern Poh, Mariko Siyue Koh, John Arputhan Abisheganaden, Francesco Blasi, Stefano Aliberti, James D Chalmers, Sanjay H Chotirmall

**Sputum proteomics uncovers the heterogeneity of Pseudomonas aeruginosa infections in bronchiectasis**

- OA2791 Rebecca C Hull (Dundee, United Kingdom), Jamie Stobo, Hani Abo Leyah, Hollian Richardson, Daniela Alferes De Lima Headley, Merete B Long, Chandani Hennayake, Amy Gilmour, Emma Johnson, Michael Tunney, Pieter C Goeminne, Jeffrey Huang, Charles S Haworth, Alison J Dicker, James D Chalmers

**Autologous transplantation of P63+ lung progenitor cells in patients with bronchiectasis: a randomized, single-blind, controlled trial**

- OA2792 Wei Zuo (Shanghai, China), Ting Zhang, Weipan Zhang, Yu Zhao

- OA2793 **Discussion and Q&A**  
All Speakers

Strauss 2

Session 267

09:30 - 10:45

**Oral presentation: Cutting-edge concepts in interventional pulmonology: the future is here!**Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : Endoscopy and interventional pulmonology Pulmonary rehabilitation

Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical

Chairs : Konstantina Kontogianni (Heidelberg, Germany), Stefano Gasparini (Ancona (AN), Italy)

- OA2794 **Late Breaking Abstract - CBCT-guided transbronchial cryobiopsy vs forceps biopsy for the diagnosis of ground glass opacity-predominant pulmonary lesions: a randomized control trial**  
Jiayuan Sun (Shanghai, China), Junxiang Chen, Jisong Zhang, Quncheng Zhang, Yishi Li, Lin Ye, Felix Herth

- OA2795 **Diagnostic Yield of Shape-Sensing Robotic-Assisted Bronchoscopy and Mobile Cone-Beam Computed Tomography for Central Pulmonary Nodules**  
Rodrigo Funes-Ferrada (Jacksonville, United States), Alejandra Yu Lee-Mateus, Anoop Koratala, Nikitha C. Chandra, Tapendra Koirala, David Abia-Trujillo, Neal M. Patel, Kelly S. Robertson, Ryan M. Chadha, Sebastian Fernandez-Bussy

- OA2796 **Diagnostic Yield of Shape-Sensing Robotic-Assisted Bronchoscopy for Peripheral Pleural-Based and Fissure-Based Pulmonary Nodules**  
Rodrigo Funes-Ferrada (Jacksonville, United States), Alejandra Yu Lee-Mateus, Alanna Barrios-Ruiz, Ana Garza-Salas, Sebastian Fernandez-Bussy, Neal M. Patel, Britney N. Hazelett, Ryan M. Chadha, David Abia-Trujillo

- OA2797 **Metered cryospray for the treatment of patients with chronic obstructive pulmonary disease with chronic bronchitis - Mechanism of action. A Multicentre Randomised Controlled Clinical Trial**  
Christopher M Orton (London, United Kingdom), James Tonkin, Ley T Chan, Anand Tana, Silviu T Marc, Fancesca Conway, Alexandra N Baikov, Rebecca Wawman, Mark Eastwood, Bavithra Vijayakumar, John Thornton, Jorine E Hartman, Laura Avanzi, Karin Klooster, Jan Lukas Robertus, Dirk-Jan Slebos, Pankaj Bhavsar, Pallav L Shah

- OA2798 **First European Experience of Shape-Sensing Robotic-assisted bronchoscopy: Learning Curve Analysis**  
Judith Brock (Heidelberg, Germany), Susanne Dittrich, Konstantina Kontogianni, Claus-Peter Heussel, Laura Klotz, Hauke Winter, Mavi Schellenberg, Felix Herth

- OA2799 **Lobar Volume Reduction of  $\geq 50\%$  with Zephyr Valves Correlates with Significant Reduction in Longer-term Rate of Severe COPD Exacerbations**  
Mark Dransfield (Birmingham, United States), Dirk-Jan Slebos, Frank C Sciruba, Pallav L Shah, Narinder Shargill, Gerard J Criner

- OA2800 **Cryobiopsy under simultaneous confocal laser endomicroscopy guidance for peripheral pulmonary lesions**  
Daniela Gompelmann (Vienna, Austria), Anastasia Papaporfyriou, Christina Bal, Christopher Milacek, Marco Idzko



<b>OA2801</b>	<b>Zephyr Valve benefits previously ineligible patients after blocking of collateral channels with AeriSeal: CONVERT Trial</b> Kaid Darwiche (Essen, Germany), Thomas Egenod, Alvin Ing, Nicolas Guibert, Pallav L Shah, Felix J Herth, Samuel V Kemp, Farzad Bashirzadeh, Ralf-Harto Hübner, Dirk-Jan Slebos, Daniel Franzen, Alan Kirk, Malgorzata Kornaszewska, Anna Gawlicka, Narinder Shargill, Michela Bezzi
<b>OA2802</b>	<b>Impact of endobronchial valve treatment for COPD with or without pulmonary rehabilitation on symptoms of fatigue, anxiety and depression - the SoLVE Study</b> Rein Posthuma (Maastricht, Netherlands), Marieke, C Van Der Molen, Anouk, W Vaes, Jorine, E Hartman, Martijn, A Spruit, Dirk-Jan Slebos, Lowie, E.G.W. Vanfleteren
<b>OA2803</b>	<b>Shape-sensing Robotic-Assisted Bronchoscopy with cone beam CT for the investigation of pulmonary nodules: interim results of the first multicentre European trial</b> Ley Taing Chan (London, United Kingdom), Christopher M Orton, Kire Temov, Anand Tana, Ilceia Baboolal, Laura Avanzi, Al-Rehan Dhanji, Ashish Karir, Elif S Agaoglu, Justin L Garner, Aisha Kalyal, Maria Lapuente, Ines Meireles, Jennifer Moore, Eleanor Scott, Patricia Pereira, Jessica Thomas, Foteini Ttofia, Kelvin Lau, Pallav L Shah
<b>OA2804</b>	<b>Discussion and Q&amp;A</b> All Speakers

## C4 Session 269 10:15 - 11:45

### Clinical cases: Imaging clinical cases: artificial intelligence and chest imaging: getting the balance right

#### Artificial intelligence in lung fibrosis imaging and pulmonary nodule management

**Aims :** To explain the roles of AI in lung fibrosis without radiologists and in pulmonary nodule management. Where are we now and what can be expected?

**Disease(s) :** [Interstitial lung diseases](#) [Respiratory critical care](#) [Thoracic oncology](#)

**Method(s) :** Epidemiology General respiratory patient care Imaging

**Tag(s) :** Translational , Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

**Chairs :** Cormac McCarthy (Dublin 4, Ireland), Sara Tomassetti (Florence, Italy), Ádám Domonkos Tárnoki (Budapest, Hungary)

<b>10:15</b>	<b>Artificial intelligence and the ILD clinician: risk, benefits and opportunities in chest imaging, incl. Q&amp;A</b> Kevin Brown (Denver, United States)	<b>2806</b>
<b>10:37</b>	<b>Artificial intelligence-assisted outcome prediction in fibrotic lung disease, incl. Q&amp;A</b> Peter George (London, United Kingdom)	<b>2807</b>
<b>10:59</b>	<b>Does artificial intelligence help clinicians manage lung nodules?, incl. Q&amp;A</b> Marjolein A. Heuvelmans (Amsterdam, Netherlands)	<b>2808</b>
<b>11:21</b>	<b>Promises and threats of artificial intelligence in lung cancer screening and image analysis, incl. Q&amp;A</b> Georg Langs (Vienna, Austria)	<b>2809</b>

## C2 Session 270 10:15 - 11:45

### Clinical cases: Lungs on fire: paediatric respiratory diseases

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s) :** [Paediatric respiratory diseases](#) [Interstitial lung diseases](#)

**Tag(s) :** Clinical

**Chairs :** Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester, United Kingdom), Sejal Saglani (London, United Kingdom)

**Discussants :** Marielle W.H. Pijnenburg (Rotterdam, Netherlands), David Drummond (Paris, France)

<b>10:15</b>	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: J. K. Thurlow (United Kingdom)</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands)	<b>2810</b>
<b>10:37</b>	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: S. Can Oksay (Turkey)</b> David Drummond (Paris, France)	<b>2811</b>

10:59	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: F. E. Kritzinger (Canada)</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands)	2812
11:21	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: B. Özsezen (Turkey)</b> David Drummond (Paris, France)	2813

## C5 Session 271 10:15 - 11:45

### Symposium: Remission and response in asthma and chronic obstructive pulmonary disease

**Aims :** To address the recent concepts of response and remission in airway diseases, asthma and chronic obstructive pulmonary disease (COPD); to explain how to evaluate if a patient has a response to therapy; to explain the concept of remission in asthma and COPD and how it will be possible for patients in the near future.

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Scientist (basic, translational)

**Chairs :** Emer Kelly (Dublin 4, Ireland), Augusta Beech (Manchester, United Kingdom), Stylianos Loukides (Athens, Greece)

10:15	<b>Remission in asthma: is it achievable?</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	2814
10:30	<b>Can we make sense of responders and non-responders in COPD?</b> Marc Miravittles (Barcelona, Spain)	2815
10:45	<b>Remission in COPD is it feasible?</b> Dave Singh (Manchester, United Kingdom)	2816
11:00	<b>Defining responders and non-responders to biological therapy in patients with severe asthma: lost in translation?</b> Arnaud Bourdin (Montpellier Cedex 5, France)	2817
11:15	<b>Discussion and Q&amp;A</b> All Speakers	2818

## C1 Session 272 10:15 - 11:45

### Hot topics: Overcoming the challenges of increasing urbanisation for respiratory health

**Aims :** To identify how future city life around the world may have the potential to improve respiratory health; to focus on beneficial, rather than adverse, outcomes, and how we can put our knowledge of risk factors to use and change harms to benefits for an improved respiratory future; to describe such potential in lifestyle factors and environmental exposures, from pre-puberty exposure windows for opportunities to indoor and outdoor environmental exposures, in a global context.

**Disease(s) :** [Airway diseases](#) [Paediatric respiratory diseases](#)

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

**Tag(s) :** Basic science

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Scientist (basic, translational), Journalist

**Chairs :** Ane Johannessen (Bergen, Norway), Anita Simonds (London, United Kingdom), Joan B Soriano (Madrid, Spain)

10:15	<b>Susceptibility in urban male adolescence - novel opportunities to improve health</b> Vivi Schlünssen (Århus C, Denmark)	2819
10:30	<b>Greenness and innovative strategies for the advancement of urban respiratory health</b> Alessandro Marcon (Verona (VR), Italy)	2820
10:45	<b>Consequences of climatic conditions on the urban indoor microbiome and resistome exposure</b> Randi Bertelsen (Bergen, Norway)	2821
11:00	<b>From respiratory challenges to solutions in low- and middle-income countries</b> Om Prakash Kurmi (Coventry, United Kingdom)	2822
11:15	<b>Discussion and Q&amp;A</b> All Speakers	2823

## C6 Session 273 10:15 - 11:45

## Journal session: Respiratory syncytial virus-related acute respiratory infection

The Lancet and The Lancet Respiratory Medicine on understanding and addressing a substantial global health problem

**Aims :** To provide an overview of research advances pertaining to respiratory syncytial virus (RSV)-related acute respiratory infection for specialist and non-specialist delegates; to provide insights into mechanisms of disease, review progress in the management of acute disease and the development and implementation of novel preventive strategies, consider the long-term impact of RSV infection, provide an overview of the global burden of RSV, and outline challenges and priorities for research, clinical practice and health policy.

**Disease(s) :** Paediatric respiratory diseases Respiratory critical care Respiratory infections

**Method(s) :** Cell and molecular biology Epidemiology Respiratory intensive care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Scientist (basic, translational)

**Chairs :** Emma Grainger (London, United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

10:15	<b>RSV in infants and children: addressing the burden of severe acute respiratory infection</b> Natalie Mazur (Utrecht, Netherlands)	2824
10:30	<b>Exploring the link between RSV infection in early life and long-term respiratory health</b> Heather Joy Zar (Johannesburg, South Africa)	2825
10:45	<b>RSV-related disease in adult populations: developing strategies for management and prevention</b> Joanne Wildenbeest (Utrecht, Netherlands)	2826
11:00	<b>RSV vaccination and immunoprophylaxis: realising the potential for protection of young children</b> Ruth Karron (Baltimore, United States)	2827
11:15	<b>Discussion and Q&amp;A</b> All Speakers	2828

## A2 Session 274 10:15 - 11:45

Symposium: No cell is an island: clinical implications of immunological crosstalk in the lung  
The stromal-epithelial-lymphocyte-epithelial stem cell network in the lung and implications for airway disease

**Aims :** To introduce the stromal-epithelial-lymphocyte-epithelial stem cell network in the lung; to discuss how lung stromal/epithelial cells nurture and regulate lymphocyte populations in the lung; to discuss how the epithelial-immune cell circuit is important in airway disease; to discuss how the stromal-immune cell circuit is important in airway disease.

**Disease(s) :** Airway diseases Respiratory infections

**Method(s) :** Cell and molecular biology

**Tag(s) :** Translational

**Target audience :** Clinical researcher, Medical Student, Pathologist, Physiologist, Scientist (basic, translational)

**Chairs :** H. Irene Heijink (Groningen, Netherlands), Salman Siddiqui (London, United Kingdom)

10:15	<b>Enhancing communication between bronchial epithelial cells and the T2 response as a therapeutic approach for airway disease</b> Lena Uller (Lund, Sweden)	2829
10:30	<b>Neutrophil crosstalk in allergic airways and potential implications for neutrophil-targeting therapeutics</b> Robert Snelgrove (London, United Kingdom)	2830
10:45	<b>Unveiling the impact of macrophage-alveolar epithelial cell paracrine crosstalk in viral infection</b> Susanne Herold (Gießen, Germany)	2831
11:00	<b>The role of lymphatic endothelial cells in modulating autoimmunity in emphysema</b> Hasina Outtz Reed (New York, United States)	2832
11:15	<b>Discussion and Q&amp;A</b> All Speakers	2833

## C3 Session 275 10:15 - 11:45

## Symposium: Multiple pulmonary nodules: the challenge of diagnosis and management

**Aims :** To discuss multiple lung nodules; to emphasise the challenges that respiratory physicians, lung cancer specialists, radiologists, thoracic surgeons, medical and clinical oncologists and primary care personnel face regarding their diagnosis and treatment options; to identify the gaps and grey areas in the current guidelines; to provide up-to-date diagnostic and management algorithms for real-life clinical situations.

**Disease(s) :** Thoracic oncology

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

**Tag(s) :** Clinical, Translational, Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs :** Torsten Gerriet Blum (Berlin, Germany), Andriani Charpidou (Athens, Greece), Wouter H. van Geffen (Leeuwarden, Netherlands)

10:15	<b>Patient's perspective</b> Merel Hennink (Groningen, Netherlands)	2834
10:20	<b>Multiple subsolid and solid lung nodules: radiological determinants for identifying targets for invasive procedures or surveillance</b> Walter De Wever (Leuven, Belgium)	2835
10:35	<b>Multiple lung nodules management: artificial intelligence determinants for identifying targets for invasive procedures or surveillance</b> Mathias Prokop (Nijmegen, Netherlands)	2836
10:50	<b>Multiple lung nodule management algorithms in real life: grey zones as an opportunity to advance early lung cancer detection or overdiagnosis?</b> Martina Koziar Vasakova (Praha 10, Czech Republic)	2837
11:05	<b>Multiple lung nodules: the surgeon's cut</b> Marco Nardini (Leeds, United Kingdom)	2838
11:20	<b>Discussion and Q&amp;A</b> All Speakers	2839

## Studio Session 278 10:30 - 10:55

### Experts interview: Race-specific versus race-neutral spirometry equations

**Aims :** To present recommendations to avoid ethnicity “corrections” when interpreting pulmonary function test (PFT) in patients and healthy people; to discuss consequences of removing lung volume ethnicity “corrections” in the interpretation of PFT results for people of non-European descent, if “uncorrected” z-scores are applied; to present several approaches to pulmonary function test interpretation that do not rely on ancestry.

**Method(s) :** Pulmonary function testing

**Tag(s) :** Clinical

**Chairs :** Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

10:30	<b>Race-specific versus race-neutral spirometry equations</b> Anh Tuan Dinh-Xuan (Paris, France)	2845
10:45	<b>Discussion and Q&amp;A</b> All Speakers	2846

## Stolz 1 Session 280 10:40 - 13:00

### Skills workshop: SW8 SW8 - Interpretation of cardiopulmonary exercise tests - €

Additional registration is required for this session.

**Aims :** Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing - To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing and to develop new skills and expertise to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. To develop skills in the correct assessment of breathlessness and dynamic hyperinflation.

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

**Chairs :** Afroditi Boutou (Thessaloniki, Greece)

10:40	<b>Assessing breathlessness</b> Hayley Lewthwaite (Merewether, Australia)	2848
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10:40	<b>Breathing pattern and dynamic hyperinflation interpretation</b> Michele Schaeffer (Vancouver, Canada)	2849
10:40	<b>Ventilatory efficiency and gas exchange</b> William Stringer (Long Beach, United States)	2850
10:40	<b>Dynamic hyperinflation and other respiratory measurements – live DEMO</b> Paolo Palange (Rome, Italy), Afroditis Boutou (Thessaloniki, Greece)	2851

## Stolz 2 Session 281 10:40 - 13:00

### Skills workshop: SW11 SW11 - Practicalities of spirometry & whole-body plethysmography - € Additional registration is required for this session.

**Aims :** This skills workshop will help attendees gain the technical expertise needed to perform spirometry and whole body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole body plethysmography; 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

**Chairs :** Sam Bayat (Grenoble, France)

10:40	<b>Performing Spirometry</b> Jana Kivastik (Tartu, Estonia)	2852
10:40	<b>Standardised static lung volume measurement using whole body plethysmography</b> Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)	2853
10:40	<b>Measurement of airway resistance and resistance volume loops using whole body plethysmography</b> Monique Wapenaar - De Korver (Vlaardingen, Netherlands)	2854
10:40	<b>Reporting and interpretation of case studies</b> Maximillian Thomas (Birmingham, United Kingdom)	2855

## Studio Session 282 10:55 - 11:20

### Experts interview: Evidence of the role of continuous positive airway pressure therapy in cardiovascular primary and secondary prevention

#### What we have learnt from randomised controlled trials and real-world data?

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

**Tag(s) :** Clinical

**Chairs :** Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

10:55	<b>Evidence of the role of CPAP therapy in cardiovascular primary and secondary prevention: what we have learnt from RCTs and real world data</b> Manuel Sanchez De La Torre (Toledo, Spain)	2856
11:10	<b>Discussion and Q&amp;A</b> All Speakers	2857

## A1 Session 283 11:00 - 12:15

### Oral presentation: Novel management strategies in pulmonary fibrosis

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

**Method(s) :** General respiratory patient care Cell and molecular biology Pulmonary function testing Imaging

**Tag(s) :** Clinical

**Chairs :** Wim A. Wuyts (Leuven, Belgium), Laura Fabbri (London, United Kingdom)

OA2858	<b>Late Breaking Abstract - Dietetic intervention in malnourished patients with interstitial lung disease (ILD): a pilot trial</b> Rasleen Kahai (London, United Kingdom), Gioele Castelli, Fiametta Danzo, Luis Ferreira, Arthihai Srirangan, Cara Roberts, Carmel Stock, Simon Bax, Richard Hewitt, Maria Kokosi, Peter George, Felix Chua, Vasilis Kouranos, Philip Molyneaux, Richard Gisli Jenkins, Winston Banya, Gemma Korff, Athol Wells, Alastair Duncan, Piersante Sestini, Elisabetta Renzoni	
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- OA2859** **AIR – an open-label, 36-week, clinical trial of buloxibutid – investigating the disease modifying potential of a novel angiotensin II type 2 receptor agonist in IPF**  
Cecilia Ganslandt (Stockholm, Sweden), Philip Molyneaux, Anand Devaraj, Bertil Lindmark, Johan Raud, Göran Tornling, Thomas Bengtsson, Toby M. Maher
- OA2860** **Effects of lysophosphatidic acid receptor 1 (LPA1) antagonism on biomarkers in patients with idiopathic pulmonary fibrosis (IPF) and progressive pulmonary fibrosis (PPF): data from a randomized phase 2 trial with BMS-986278**  
Toby M Maher (Los Angeles, United States), Naftali Kaminski, Fang Wang, Tejaswi Yarra, Brandon Elpers, Sarah Hu, Peter Schafer, Gerald Horan
- OA2861** **Safety and tolerability of bexotegrast in Phase 2 trials of idiopathic pulmonary fibrosis (IPF) and primary sclerosing cholangitis (PSC)**  
Gregory Cosgrove (South San Francisco, United States), Richard Pencek, Chris Barnes, Annie Clark, Hardean Achneck, Eric Lefebvre
- OA2862** **Validation of electronic nose technology as diagnostic tool for different fibrotic interstitial lung diseases**  
Catharina C. Moor (Rotterdam, Netherlands), Iris G. Van Der Sar, Leda Yazbeck, Markus Polke, Michael Kreuter, Vincent Cottin, Philip L. Molyneaux, Marlies S. Wijsenbeek
- OA2863** **Development and Evaluation of a Comprehensive Machine Learning Tool Differentiating Idiopathic Pulmonary Fibrosis from Other Interstitial Lung Diseases in the Japanese nationwide registry (PROMISE study).**  
Taiki Furukawa (Nagoya (Aichi), Japan), Yasuhiro Kondoh, Shintaro Oyama, Hideo Yokota, Ryo Teramachi, Hironao Hozumi, Yoshimune Shiratori, Yoshinori Hasegawa, Takafumi Suda, Makoto Ishii, .. The Providing Multidisciplinary Ild Diagnoses [promise] Study Group
- OA2864** **Disease trajectory of newly diagnosed patients with pulmonary fibrosis using online home spirometry in the international multicenter I-FILE study**  
Gizal Nakshbandi (Rotterdam, Netherlands), Catharina C. Moor, Remy L.M. Mostard, Wim Wuyts, Anneke Van Veen, Katerina Antoniou, Vincent Cottin, Markus Polke, Katharina Buschulte, Michael Kreuter, Madelon Vonk, Hilde Janssen, Zoe Daniil, Anna-Maria Hoffmann-Vold, Michael T Durheim, Peter Saunders, Lisa G. Spencer, Philip L. Molyneaux, Marlies. S Wijsenbeek
- OA2865** **Health outcomes in IPF and PPF: European survey on healthcare professionals' views and practices**  
Vivien Somogyi (Mainz, Germany), Anouk Delameillieure, Silja Schenk, Nazli Uckuyu, Zehra Nur Toreyin, Liesbet Van Bulck, Eda Sen, Omer Selim Unat, Michael Kreuter, Nikola Stenzel, Nesrin Mogulkoc, Wim Wuyts, Steve Jones, Liam Galvin, Jeanette Boyd, Polina Starchenko, Natalia Liagka, Pippa Powell, Thomy Tonia, Fabienne Dobbels
- OA2867** **Effect of telomere length and TERT/TERC rare variants on survival in Japanese patients with idiopathic interstitial pneumonias Genetic predisposition study from the Japanese Idiopathic Interstitial Pneumonias (JIPS) Registry (NEJ036A)**  
Shu Hisata (Tochigi, Japan), Yoshinori Tanino, Ryo Okuda, Takashi Ogura, Takuma Isshiki, Yasushi Horimasu, Naoki Hamada, Naoki Arai, Yukari Tsubata, Takafumi Suda, Yukihiko Horio, Nobuhisa Ishikawa, Yasuhiro Kondoh, Mikio Toyoshima, Haruyuki Ishii, Mitsuhiro Abe, Motoyasu Kato, Motoaki Tanigawa, Hiromi Tomioka, Hirofumi Chiba, Toru Arai, Yasuhiko Nishioka, Noboru Hattori, Tomoaki Hoshino, Yasuo Shimizu, Koji Sakamoto, Shizukiyo Ishikawa, Makiko Naka Mieno, Tomohisa Baba, Yasunari Miyazaki, Toshihiro Nukiwa, Kunihiko Kobayashi, Takuji Suzuki, Koichi Hagiwara
- OA2866** **Late Breaking Abstract - A deep learning algorithm for predicting progression in fibrosing interstitial lung disease**  
Caitlin Fermoye (Camperdown, Australia), Simon Walsh, John Mackintosh, Xiaodan Xing, Yang Nan, Yingying Fang, Guang Yang, Lauren Troy, Tamera Corte
- OA2868** **Discussion and Q&A**  
All Speakers

A3

Session 284

11:00 - 12:15

**Oral presentation: Advances in thoracic surgery**

Disease(s) : Thoracic oncology Airway diseases

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

Tag(s) : Clinical

Chairs : Marcello Migliore (Riyadh, Saudi Arabia), Amanda Dandanell Juul (Odense S, Denmark)

- OA2869** **Impact of real-world pulmonary prehabilitation classes on lung cancer surgery patients' outcomes: Matched-case analysis**  
Matar Alzahrani (Birmingham, United Kingdom), Rajnikant Mehta, Salma Kadiri, Saffana Algaeed, Helen Shackelford, Aya Osman, Hazem Fallouh, Maninder Kalkat, Vanessa Rogers, Ashvini Menon, Robin Wotton, Babu Naidu

- OA2870** **Percent predicted peak oxygen uptake is superior to weight-indexed peak oxygen uptake in risk stratification before lung cancer lobectomy**  
Kristofer Hedman (Linköping, Sweden), Karolina Kristenson
- OA2871** **The 6-minute stepper test and the sit-to-stand test predict complications after major pulmonary resection via minimally invasive surgery: a prospective inception cohort study**  
Fairuz Boujibar (Rouen, France), Tristan Bonnevie, Francis Gravier, Jean-Marc Baste
- OA2872** **Validation of the American College of Surgeons risk calculator for thoracic surgery**  
Nikolay Tsvetkov (Basel, Switzerland), Makhmudbek Mallaev, Brigitta Gahl, Aljaz Hojski, Michael Tamm, Luzius Steiner, Didier Lardinois
- OA2873** **VATS is associated with a shorter time to referral to adjuvant therapy compared with thoracotomy**  
Güntüğ Batıhan (Kars, Turkey), Kenan Can Ceylan, Şeyda Ors Kaya
- OA2874** **User-centered design of an integrated, hybrid personalised digital prehabilitation intervention in the lung volume reduction surgical pathway ('Fit4Surgery'): A case study of the double diamond method**  
Matar Alzahrani (Birmingham, United Kingdom), Salma Kadiri, Joan Duda, Sally Fenton, Louisa Stonehewer, Hazem Fallouh, Babu Naidu
- OA2875** **Evaluation and rehabilitation before surgery in lung cancer patients: A survey among members of the French Society of Thoracic and Cardiovascular Surgery (SFCTCV)**  
Fairuz Boujibar (Rouen, France)
- OA2876** **Assessing the benefits of lung surgery: 3D reconstruction vs. conventional methods - a pilot study**  
Aljaz Hojski (Basel, Switzerland), Michael Tamm, Brigitta Gahl, Didier Lardinois
- OA2877** **Cigarette smoking, cannabis use and vaping behaviours in patients operated for spontaneous pneumothorax.**  
Edward Caruana (Kegworth, United Kingdom), Iain Stewart, Neil Greening
- OA2878** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 285

11:00 - 12:15

## Oral presentation: Factors influencing clinical lung physiology: what's new?

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

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

Tag(s) : Clinical

Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Gareth Hynes (Oxford (Oxfordshire), United Kingdom)

- OA2879** **Late Breaking Abstract - Combining Phase-Resolved Functional Lung (PREFUL)-MRI and advanced CPET to uncover the underpinnings of exertional gas exchange inefficiency in COPD**  
J. Alberto Neder (Kingston (ON), Canada), Matthew James, Andreas Voskrebenez, Filip Klimes, Brandon Zanette, Sandra Vincent, Nicole Domnik, Devin Phillips, Marina Pourafkari, Chu-Yi Wang, Michele Girardi, Carrie Ferguson, Miranda Kirby, Giles Santyr, William Stringer, Janos Porszasz, Denis O'Donnell, Jens Vogel-Claussen
- OA2880** **DOES VAPING IMPAIR LUNG FUNCTION IN YOUNG ADULTS?**  
Sanja Stanojevic (Halifax (NS), Canada), Mei Ha Yung, David Yabar, Noah Johnson, Hanna Stewart, Olivier D. Laflamme, Geoffrey Maksym, Mateos-Corral Dimas, Asbridge Mark
- OA2881** **Association of lung function with visceral adiposity and skeletal muscle mass considering myosteatosis**  
Young Ju Jung (Seoul, Republic of Korea), Min Jung Lee, Eun Hee Kim, Sung-Jin Bae, Hong-Kyu Kim
- OA2882** **Evaluation of FEV1Q in three Global South populations: a race-neutral approach to lung function assessment**  
Arafa Aboelhassan (Assiut, Egypt), Trishul Siddharthan, William Checkley, John R Hurst And On Behalf Of The Geco Collaborators
- OA2883** **Electrical impedance tomography of the lungs – does biological sex affect the findings?**  
Inez Frerichs (Kiel, Germany), Claas Händel, Tobias Becher, Dirk Schädler
- OA2884** **Determinants of isolated reduction of diffusing capacity for carbon monoxide**  
Andrei Malinovski (Uppsala, Sweden), Viktor Hamrefors, Anders Blomberg, Lennart Persson, Magnus Sköld, Kjell Toren, Per Wollmer
- OA2885** **Title: The utility of gas transfer measurement to identify low total lung capacity**  
Chara ALEXIOU (CAMBRIDGE, Greece), Benjamin Knox-Brown, Karl P. Sylvester

- OA2886 Impaired diffusion at submaximal lung inflation in asthma and COPD patients.**  
Sylvia Verbanck (Bruxelles, Belgium), Mike Hughes
- OA2887 Diffusing capacity for carbon monoxide is significantly associated with plasma proteins independently of obstruction**  
Suneela Zaigham (Malmö, Sweden), Xing Wu Zhou, Magnus Dencker, Sophia Frantz, Morten Kraen, Per Wollmer, Andrei Malinovski
- OA2888 An exploratory analysis of flow volume loop morphology using convolutional neural networks**  
Seamus J. Linnane (Dublin, Ireland), Estella Ogbebor, Ailish Daly, David Mulqueen
- OA2889 Discussion and Q&A**  
All Speakers

## Strauss 1 Session 286 11:00 - 12:15

### Oral presentation: Updates from population-based and clinical cohort studies including children with respiratory problems

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

**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary function testing Transplantation

**Tag(s) :** Clinical

**Chairs :** Myrofora Goutaki (Bern, Switzerland), David Lo (Leicester, United Kingdom)

- OA2890 Late Breaking Abstract - Late pulmonary adverse effects in childhood survivors of acute lymphoblastic leukemia; A national cross-sectional study**  
Sonja Izquierdo Meyer (Aarhus N, Denmark), \* A L L-S T A R Research Group, Kim Gjerum Nielsen, Sune Rubak
- OA2891 Socioeconomic deprivation, ethnicity, and health outcomes in preschool children with wheeze in England: a retrospective cohort study**  
David Lo (Leicester, United Kingdom), Claire Lawson, Clare Gillies, Sharmin Shabnam, Erol Gaillard, Hilary Pinnock, Jennifer Quint
- OA2892 Mind the gap: ethnicity and clinical outcomes in Primary Ciliary Dyskinesia**  
Nicola Rowbotham (Derby, United Kingdom), Eleanor Weyell, Svetlana Dubkova, David Adebayo, Priti Kenia, Deepa Patel
- OA2893 Genome-wide gene-air pollution interaction analysis on asthma in adolescents: a meta-analysis of 5 European birth cohorts**  
Sara Kress (Düsseldorf, Germany), Simon Merid, Warner Van Kersen, Ashley Budu-Aggrey, Judith Vonk, Elisabeth Thiering, Claudia Wigmann, Ashish Kumar, Maaïke De Vries, Ulrike Gehring, Lisa Maier, Raquel Granell, Anna Pulakka, Olena Gruzieva, Gerard Koppelman, Sylvain Sebert, Erik Melén, Marie Standl, Tamara Schikowski
- OA2894 Association between prenatal and childhood exposure to particulate matter and asthmatic symptoms in the children of the Cyprus MEDEA Cohort**  
Pinelopi Anagnostopoulou (Nicosia, Cyprus), Nicole Alkhoury, Veronica Wang, Michael Leung, Stefania Papatheodorou
- OA2895 Maternal plant-based diet during pregnancy with allergic and respiratory multimorbidity in childhood**  
Rosalie Delvert (Villejuif, France), Yvan Njonfang Mbakop, Karine Adel-Patient, Amandine Divaret-Chauveau, Chantal Raheison, Marie-Aline Charles, Raphaëlle Varraso, Blandine De Lauzon-Guillain, Annabelle Bédard
- OA2896 Asthma management in pregnancy and infant respiratory outcomes**  
Bronwyn Brew Haasdyk (Stockholm, Sweden), Peter Gibson, Adam Collison, Paul Robinson, Peter Sly, Megan Jensen, Annelies Robijn, Joerg Mattes, Vanessa Murphy
- OA2897 Lung function in children after cancer treatment**  
Masa Zarkovic (Bern, Switzerland), Christina Schindera, Jakob Usemann, Philipp Latzin, Claudia Kuehni
- OA2898 Pulmonary function in children after hematopoietic stem cell transplantation: a retrospective analysis**  
Gabriele Raffler (Zurich, Switzerland), Christine Schneider, Florian Singer, Florian Wyler, Alexander Moeller, Tayfun Guengoer, Mathias Hauri, Jakob Usemann
- OA2899 Pulmonary embolism in children: a French national multicentric retrospective cohort study**  
Pierre Gourdan (Nice, France), Rashad El Hajj, Antoine Tran, Pierrick Cros, Eglantine Hullo, Marie-Christine Heraud, Alexandra Masson-Rouchaud, Philippe Reix, Jean-Christophe Dubus, Géraldine Labouret, Marie-Catherine Renoux, Caroline Thumerelle, Michael Fayon, Tamazoust Guiddir, Alice Hadchouel, Lisa Giovannini-Chami
- OA2900 Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 287

11:00 - 12:15

## Oral presentation: Exploring new fields in adult cystic fibrosis

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

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

Chairs : Andrea Gramegna (Milano (MI), Italy), Clémence Martin (Paris, France)

- OA2901** **Detection of antibiotic susceptibility in adult people with cystic fibrosis using a metagenomics approach**  
Sonja van Scheijen (Amsterdam, Netherlands), Anne H. Neerincx, Els J. M. Weersink, Josje Altenburg, Christof Majoor, Anke H. Maitland-Van Der Zee, Mahmoud I. Abdel-Aziz
- 
- OA2902** **Cystic fibrosis and the role of CFTR in circulating immune cells: a human single-cell atlas**  
Leander Jonckheere (Gent, Belgium), Cédric Bosteels, Iris Janssens, Yannick Vande Weygaerde, Tania Maes, Robin Browaeyns, Niels Vandamme, Simon J Tavernier, Bart N Lambrecht, Eva Van Braeckel
- 
- OA2903** **Effectiveness of ETI in people with Cystic Fibrosis and no F508del CFTR variant: a multicenter study in Greece**  
Aikaterini Manika (Pylaia (Thessaloniki), Greece), Filia Diamantea, Marija Hadzi-Mitrova, Anna Tsakona, Athina Sopiadou, Elisavet- Anna Chrysochoou, Maria Sionidou, Eleni Papadaki, Ioanna Tsiouprou, Maria Galogavrou, Elpis Hatziaigorou
- 
- OA2904** **A CFTR modulator therapy might improve ciliary beating in patients with cystic fibrosis**  
Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Noemie Bricmont, Maud Pirotte, Marc-Antoine Wuidart, Renaud Louis
- 
- OA2905** **Cardiometabolic risk factors in individuals with cystic fibrosis undergoing Elexacaftor/Tezacaftor/Ivacaftor therapy**  
Gloria Leonardi (Trento, Italy), Gianfranco Alicandro, Massimiliano Ruscica, Andrea Gramegna, Francesco Blasi
- 
- OA2906** **Limited effectiveness of elexacaftor-tezacaftor-ivacaftor on lung hyperinflation in adults with cystic fibrosis**  
Théo Dhôte (Paris, France), Clémence Martin, Lucile Regard, Reem Kanaan, Nicolas Carlier, Isabelle Honoré, Johanna Fesenbeckh, Espérie Burnet, Isabelle Fajac, Frédérique Aubourg, Thierry Perez, Jennifer Da Silva, Pierre-Régis Burgel
- 
- OA2907** **Regional ventilation evaluation of abnormalities of the lung in cystic fibrosis (ReVEAL-CF Study)**  
Grace Kavanagh (Perth, Australia), Nina Eikelis, Kris Nilsen, Ryan Phuong, Youngmi Van Der Werf, Mark Teh, Bhajan Singh, Siobhain Mulrennan
- 
- OA2908** **Distal pulmonary arterial remodeling in end-stage cystic fibrosis**  
Astrid Vermaut (Oud-Heverlee, Belgium), Gitte Aerts, Lynn Willems, Vincent Geudens, Pieterjan Kerckhof, Hanne Beeckmans, Xin Jin, Yousry Khaled Mohamed Elm Mohamady, Jan Van Slambrouck, Lucia Aversa, Janne Verhaegen, Emanuela Elsa Cortesi, Dirk E. Van Raemdonck, Laurens J. Ceulemans, Wim A. Wuyts, Ghislaine Gayan-Ramirez, Robin Vos, Laurent Godinas, Lieven Dupont, Bart M. Vanaudenaerde, Mieke Boon
- 
- OA2909** **VOC breath biomarkers for early detection and monitoring of acute pulmonary exacerbations in people with Cystic Fibrosis**  
Rodrigo Andres Floto (Cambridge (Cambridgeshire), United Kingdom), Elizabeth Crone, Hsuan Chou, Amy Craster, Ibrahim Karaman, Billy Boyle, Lara Pocock, Max Allsworth, Lucy Gale
- 
- OA2910** **Discussion and Q&A**  
All Speakers

## Studio

## Session 288

11:35 - 12:20

## Pro-Con debate: Is the use of new technologies and limited channel devices beneficial in the diagnosis of suspected sleep apnoea?

**Aims** : To discuss the potential benefits and limitations of new technologies and data analysis methods for automated sleep studies. What are the dangers of Level 3 and especially Level 4 sleep studies in the wrong setting? What benefits can new technologies and especially new analysis algorithms and artificial intelligence in the diagnosis of sleep-related breathing disorders bring if they are used in a targeted manner? What benefits can they bring in the age of individualised therapy concepts and for a possible endotype- and phenotype-based therapeutic strategy, or do they rather limit this approach?

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

Method(s) : General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Technical Assistant, Nurse, Physiologist

Chairs : Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

**11:35** **Pro: sleep studies and new technologies can be helpful**  
Jean-Louis Pépin (Grenoble, France)

2911

11:50 **Con: limited channel sleep studies and new technologies cannot be used** 2912  
Carolina Lombardi (Milano (MI), Italy)

12:05 **Discussion and Q&A** 2913  
All Speakers

PS-1 Session 298 12:30 - 14:00

Poster session: Chronic obstructive pulmonary disease exacerbation I

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

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

Tag(s) : Clinical

Chairs : Tiziana Patrizia Cremona (Bern, Switzerland), Angelos Vontetsianos (ATHENS, Greece)

PA2951 **Frailty on in-hospital death in older patients with acute exacerbation of chronic obstructive pulmonary disease: a real-world prospective cohort study**  
Xin Zhang (Chengdu, China), Li Li, Lei Wang, Li Zhang, Chongyang Zhao, Qin Wang, Ying Liu, Lei Liu, Lishan Yuan, Min Feng, Gang Wang, Deying Kang

PA2952 **Development of Multidimensional Assessment in COPD (MAC) score for short-to-medium-term prognosis in elderly COPD patients at high-risk of acute exacerbation**  
Edoardo Pirera (Palermo, Italy), Domenico Di Raimondo, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Antonino Tuttolomondo

PA2953 **Bicarbonate levels on admission predict recurrent acute hypercapnic respiratory failure in COPD**  
Tin Wai Wong (Hong Kong, Hong Kong)

PA2954 **Effect of cardiovascular risk management on the risk of major acute cardiovascular events in patients with COPD in general practice**  
Bram van den Borst (Nijmegen, Netherlands), Mayke Willemsen, Tjard Schermer, Lisette Van Den Bemt, Lena Raaijmakers, Reinier Akkermans, Marion Biermans, Erik Bischoff

PA2955 **Impact of Chronic Obstructive Pulmonary Disease on the Prognosis of Patients with Lung Cancer**  
Wenxin Luo (Chengdu, China), Lan Yang, Weimin Li

PA2956 **Five-year mortality in patients with COPD and Impaired left ventricular filling**  
Mustafa Abdo (Grosshansdorf, Germany), Henrik Watz, Peter Alter, Kathrin Kahnert, Franziska Trudzinski, Espen E. Groth, Martin Claussen, Anne-Marie Kirsten, Tobias Welte, Rudolf A. Jörres, Robert Bals, Claus Vogelmeier, Klaus. F Rabe, Benjamin Waschki

PA2957 **Non-invasive respiratory supports delivery in Australia**  
Catherine buchan (Melbourne, Australia), Yet H Khor, Rebecca Disler, Natasha Smallwood

PA2958 **Non-invasive ventilation implementation guidance in Australian hospitals: a systematic review approach**  
Catherine buchan (Melbourne, Australia), Idy Chukwu, Anne Walker, Dahien Manoharan, Eli Dabscheck, Natasha Smallwood

PA2959 **Oxygen therapy implementation guidance in Australian hospitals: a systematic review approach**  
Catherine buchan (Melbourne, Australia), Toby Thomas, Yet H Khor, Rahmin Zahin, Natasha Smallwood

PA2960 **The role of hypercapnia among hospitalised patients with chronic obstructive pulmonary disease exacerbations**  
Giulia Sartori (verona, Italy), Giovanni Viterale, Arturo Huerta, Albert Gabarrús, Alberto Fantin, Néstor Soler, Ernesto Crisafulli, Antoni Torres

PA2961 **Prediction of NIV late failure among acute hypercapnic respiratory failure patients**  
Hana Mrassi (Tunis, Tunisia), Hana Mrassi, Nourelhabib Jallouli, Oumaima Hidri, Imen Sahnoun, Leila El Gharbi

PA2962 **Cardiac evaluation of patients with Chronic Obstructive Pulmonary Disease (COPD) using two-dimensional Doppler echocardiography**  
Daniela Buklioska Ilievska (Skopje, North Macedonia), Jordan Minov, Ivana Mickovski, Marjan Baloski, Bozidar Poposki, Vesna Trajkova, Radmila Neshovska, Adriana Buklioska, Persida Tofiloska Poposka, Biljana Prgova-Veljanova

PA2963 **Evaluation of serum (S) and urinary (U) eosinophil cationic protein (ECP) and eosinophil-derived neurotoxin (EDN) as biomarkers of eosinophilic (Eo) acute exacerbation of chronic obstructive pulmonary disease (AE).**  
Charlotte Schlessler (Yvoir, Belgium), Inès Jadot, Eric Marchand



- PA2964** **Characteristics of patient-reported worsenings of asthma and/or COPD and concordance with physician-reported exacerbations**  
Hana Müllerová (Cambridge, United Kingdom), Eleni Rapsomaniki, Rod Hughes, Jonathan Marshall, Laura Belton, Deven Patel, Alberto Papi, Barry J Make, Pierre-Régis Burgel, Mohsen Sadatsafavi, Bradley Chipps, Helen K Reddel, Christor Janson, - For The Novelty Scientific Community And Novelty Study Investigators
- PA2965** **PIF/PEF Ratio: A Novel Marker for COPD Severity**  
Sirine Jamli (Kairouan, Tunisia), Khoulood Kchaou, Soumaya Khaldi, Chaima Briki, Balsam Barkous, Saloua Jameleddine Ben Khamsa
- PA2966** **Disability due to COPD in Ukraine**  
Nataliia Sanina (Dnipro, Ukraine), Tetyana Pertseva, Tamara Turlyun
- PA2967** **Validation of probable COPD as proposed by the Lancet Commission at a tertiary smoking cessation outpatient clinic**  
Esra Ertan Yazar (Istanbul, Turkey), Elif Hazal Karadağ, Büşra Kaytan, Furkan Alp Eren, Coşkun Doğan, Burcu Yiğitbaş, Hacer Hicran Mutlu, Handan Ankaralı
- PA2968** **Analysing the effects of indoor air pollution on women residing in urban slum dwellings**  
Sameer Arbat (Nagpur (Maharashtra), India), Bharat Agrawal, Tulika Arbat
- PA2969** **Cardiovascular disease risk score assessment in obstructive sleep apnea (OSA ) a case-control study.**  
Mujeeb Rahman Kakkeri Koyakutty (Calicut (Kerala), India), Misna V.K, Harilakshman Peruvamba, John Alaxander, Murali Krishna Menon
- PA2970** **COPD and lung function reduction affect the brain cortical structure: A Mendelian randomization study**  
Chuangsen Fang (Beijing, China), Yanming Li, Bingxuan Weng

PS-10

Session 299

12:30 - 14:00

Poster session: Novel treatment strategies for airway diseases: a glimpse into the future

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Cell and molecular biology Pulmonary function testing Epidemiology

Tag(s) : Basic science, Translational

Chairs : Tania Maes (Ghent, Belgium), Juan José Nieto-Fontarigo (Santiago De Compostela, Spain)

- PA2971** **Biologic treatment specifically increases resting regulatory T-cells (Tregs) in blood of patients with severe asthma**  
Marek Lommatzsch (Rostock, Germany), Neeraja Jaishankar, Kai Bratke, Sebastian Sander, Paul Stoll, J. Christian Virchow
- PA2972** **Resolvin D1 reduces the inflammatory response to rhinovirus infection in COPD bronchial epithelial cells**  
Jordina Mah (London, United Kingdom), Melody Duvall, Samuel Kemp, Justine Devulder, Federico Baraldi, Tata Kebabze, Peter Fenwick, James P Allinson, Bruce Levy, Jadwiga Wedzicha, Lydia Finney
- PA2974** **Shikonin alleviates asthmatic airway inflammation in mice through STAT3-dependent mechanism in airway epithelial cells**  
Haifeng Ouyang (Xi'an, China), Yao Zhang
- PA2975** **Increased IL-4 receptor expression in COPD small airway remodelling**  
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Josiah Dungwa, Jennifer Dewhurst, Juby Jacob-Nara, Dave Singh
- PA2976** **Differential effects of Ruxolitinib on airway remodeling in asthma and COPD**  
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Apolline Gonsard, Daiana Stolz
- PA2977** **The pathophysiological role of IL-13 in COPD**  
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Sophie Booth, Jian Li, Jiao Ma, Jennifer Dewhurst, Juby Jacob-Nara, Dave Singh
- PA2978** **Arg16Gly  $\beta$ 2-Adrenoreceptor Polymorphism in Severe Eosinophilic Asthma: Implications for Mepolizumab Long-Term Effectiveness and Clinical Remission**  
Santi Nolasco (Catania, Italy), Raffaele Campisi, Maria D'Amato, Evelina Fagone, Corrado Pelaia, Andrea Portacci, Giulia Scioscia, Angelantonio Maglio, Massimo Triggiani, Maria Filomena Caiaffa, Alessandro Vatrella, Girolamo Pelaia, Giovanna Elisiana Carpagnano, Carlo Vancheri, Nunzio Crimi, Claudia Crimi
- PA2979** **Safety, pharmacokinetics and pharmacodynamics of SHR-1703, an anti-interleukin-5 monoclonal antibody, in healthy subjects: a phase I randomized, placebo-controlled trial**  
Ling Yang (Chengdu (Sichuan), China), Yuan Luo, Meng Fu, Kai Shen, Zhu Luo

- PA2980** **APATURA: a Phase 2a study of elarekibep, an inhaled IL-4 receptor alpha inhibitor, in moderate-to-severe asthma**  
Tania Hugo (Cheshunt, United Kingdom), Andrew R. Harper, Jacob Leander, Pål Lundin, David Bock, Xiao-Hong Zhou, Irina Bondarenko, Steve Burns, Erol Wiegert, Mary F. Fitzgerald, David R. Close, David J. Keeling, Hitesh Pandya, Maria G. Belvisi, Paul M. O'Byrne
- PA2981** **Characteristics of U-BIOPRED endotypes from multi-omics integration of 24 high-dimensional/throughput data**  
Nazanin Zounemat-Kermani (hanworth, United Kingdom), Chuan-Xing Li, Martina Bonatti, Bertrand De Meulder, Charles Auffray, Yike Gue, Ian M Adcock, Kian Fan Chung, Åsa M Wheelock
- PA2982** **Efficacy and safety of CM310 in moderate to severe asthma: a multicenter, randomized, double-blind, placebo-controlled phase 2 study**  
Nan Su (Beijing, China), Ling Zhang, Liping Peng, Yi Jiang, Jie Li, Changqing Lin, Junzhen Gao, Zhihong Chen, Zuke Xiao, Dong Zhang, Haihong Wu, Shengyu Wang, Zaiyi Wang, Xiangjie Zhang, Xiaomeng Qi, Jingbo Qiu, Wenjuan Wang, Anbo Xiang, Chunle Li, Chen Wang
- PA2983** **A long-acting high affinity anti-TSLP antibody (GB-0895) for severe asthma identified leveraging a proprietary machine learning platform**  
Kapil Mayawala (Secaucus, United States), Tanvi Gawde, Antonios Aliprantis, Jaileene Hernandez Escalante, Hongwei Han, Sumana Ullas, Ming Bai, Charles Sinclair, Wojciech Dworakowski, Lovely Goyal, Karima Amiri, Andrew Robertson, Stephanie Straley, Kristen Hopson, Adam Root, Luisa Salter-Cid, Lana Dinic, Victoria Szenes, Alexandra Snyder, Heather Van Epps, Dave Singh
- PA2984** **PBF-680, an oral A1 adenosine receptor antagonist, increases trough forced expiratory volume in 1 second (FEV1) in mild-to-moderate asthma: a Phase-II trial**  
David Ramos Barbon (Barcelona, Spain), Saúl Saldaña Marín, Nadia Sonia Brienza, Rosa Maria Antonijoan Arbos, José Luis Velasco Garrido, Angel Ferrer Torres, Mariana Muñoz Esquerre, José Gregorio Soto Campos, Carlos Martínez Rivera, Juan Alberto Luna Porta, Santiago Figueroa Pérez, Miriam Soler Palacín, Alina Ariosa Alvarez, Nahomi Castro Palomino Laria, Julio Castro Palomino Laria
- PA2985** **Pharmacological characterization of the relaxant effect of RCD405 in isolated human medium bronchi**  
Paola Rogliani (Roma (RM), Italy), Clive Page, Mia Lundblad, Riccardo Tajè, Francesco Facciolo, Luigino Calzetta
- PA2986** **Endocannabinoids suppress inflammation-induced tumor necrosis factor alpha up-regulation in human and Guinea-pig lungs**  
Reshed Abohalaka (Göteborg, Sweden), Yasemin Karaman, Serkan Uysal, Erkan Dikmen, Turgut Emrah Bozkurt
- PA2987** **Pharmacokinetics (PK) of the anti-ST2 monoclonal antibody, astegolimab**  
Wenhui Zhang (South San Francisco, United States), Dorothy Cheung, Alice Fong, Logan Brooks, Michele Grimaldeston, Audrey Arjomandi, Xiaoying Yang, Ajit Dash, Divya Mohan
- PA2988** **Cutting-edge 3D COPD lung mimic**  
Eline Geervliet (Enschede, Netherlands), Thanh Huyen Phan, Huaikai Shi, Christopher E. Denes, Alexander J. Coles, Yiwei Wang, Yuen Yee Cheng, Daniel Hesselson, Susan H. Roelofs, Graham Gregory Neely, Jun-hyeog Jang, Wojciech Chrzanowski
- PA2989** **Metabolomic analysis of the effect of endocannabinoid metabolism inhibition in allergic airway inflammation**  
Reshed Abohalaka (Göteborg, Sweden), Yasemin Karaman, Tuba Recber, Sevgen Celik Onder, Emirhan Nemitlu, Turgut Emrah Bozkurt
- PA2990** **Efficacy and safety of Suhuang Zhike Capsules in the treatment of asthma: A multicenter, randomized, double-blinded, placebo-controlled trial**  
Yilin Pan (Shanghai, China), Wen Hua, Cuiqin Shi, Wuping Bao, Li Yu, Huahao Shen, Min Zhang

PS-11

Session 300

12:30 - 14:00

Poster session: New frontiers in chronic obstructive pulmonary disease treatment and management

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

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

Tag(s) : Clinical

Chairs : Pradeesh Sivapalan (Gentofte, Denmark), Lies Lahousse (Ghent, Belgium)

- PA2991** **Ensifentrine treatment improves COPD symptoms and quality of life in a pooled analysis of the ENHANCE trials**  
Alexander Mathioudakis (Manchester, United Kingdom), William Stringer, Tara Rheault, Amy Dixon, Daniel Reyner, Kathleen Rickard, Richard Casaburi

PA2992	<b>In current smokers with COPD, LABA+LAMA is superior to LABA+ICS, regardless of blood eosinophils. Data from the FLAME trial.</b> Alexander Mathioudakis (Manchester, United Kingdom), Andrew Higham, Sebastian Bate, Victoria Chatzimavridou-Grigoriadou, Pradeesh Sivapalan, Jens-Ulrik Jensen, Tim Felton, Jørgen Vestbo, Dave Singh
PA2993	<b>Machine learning models for different outcomes to better understand individual treatment response on COPD exacerbations in the IMPACT study</b> Helene Huts (Leuven, Belgium), Kenneth Verstraete, Michaël Staes, Ahmed Elmahy, Wim Janssens, Maarten De Vos
PA2994	<b>Sputum cytokine repeatability in COPD</b> Alex Mulvanny (Manchester (Greater Manchester), United Kingdom), Augusta Beech, Tatiana Infante Parra, Dave Singh
PA2995	<b>Efficacy and safety of ensifentrine in European patients with moderate to severe COPD: pooled results from the ENHANCE trials</b> Frits M.E. Franssen (Maastricht, Netherlands), Tara Rheault, Kathleen Rickard, Amy Dixon, Daniel Reyner, Henrik Watz
PA2996	<b>Impact of ensifentrine on trough FEV1 in COPD: a meta-analysis</b> Luigino Calzetta (Roma (RM), Italy), Shima Gholamalishahi, Josuel Ora, Paola Rogliani
PA2997	<b>Ensisfentrine improved symptoms and reduced moderate/severe exacerbation rate and risk in patients with COPD and significant cough and sputum</b> Victor Kim (Philadelphia, United States), Alejandro Diaz, Tara Rheault, Kathleen Rickard, Amy Dixon, Daniel Reyner, Jadwiga Wedzicha
PA2999	<b>Real-world safety of budesonide/glycopyrrolate/formoterol in Chinese patients with chronic obstructive pulmonary disease</b> Yongchang Sun (Beijing, China), Yunfeng Chen, Xiuwei Zhang, Ruibin Guo, Luqian Zhou, Jiayi Feng, Xiaomin Xiong, Weiguo Xu, Guoping Li, Jing Zhang
PA3000	<b>Efficacy of Budesonide/Glycopyrronium/Formoterol FDC across blood eosinophil ranges in Indian COPD patients: post-hoc analysis of a phase-IV clinical-trial</b> Priti Meshram (Mumbai (Maharashtra), India), Manish Jain, Akash Balki, Anand Kumar, Ajeet Singh, Meena Lopez, Rushika Shah, Sandesh Sawant, Abhijit Vaidya, Jaideep Gogtay
PA3001	<b>Late Breaking Abstract - Phase 2 trial of HSK31858, a novel DPP1 inhibitor, in bronchiectasis</b> Weijie Guan (Guangzhou (Guangdong), China), Nanshan Zhong, Rong Qiu, Jie Cao, Yanming Huang, Hua Zhou, Xingxiang Xu, Huan Ye, Zhiren Yang, Lingyun Gao, Yao Shen, Zuke Xiao, Shiguang Xie, Dianjie Lin, Li Zhao, Hao Xiong, Xianming Zhang, Guojun Zhang, Xiaojv Zhang, Yuanyuan Li, Jinfu Xu, Fuqiang Wen, Yuanlin Song, Lingwei Wang, Yingxiang Lin
PA3002	<b>Safety, Tolerability and Pharmacokinetics of The Phosphodiesterase 3/4 (PDE3/4) Inhibitor TQC3721 Suspension for Inhalation in Healthy Adult Subjects</b> Weiguo Li (Nanjing, China), ZHU LUO, Ling Yang, Miao Jiang, Ding Yu, Weimin Li
PA3003	<b>Effect of n-acetylcysteine against mucus hypersecretion in COPD</b> Paola Rogliani (Roma (RM), Italy), Shima Gholamalishahi, Rossella Laitano, Luigino Calzetta
PA3004	<b>The mitochondrial-targeted antioxidant SkQ1 ameliorates cigarette smoke-induced oxidative stress and airway inflammation</b> Jiangyue Qin (Chengdu, Sichuan, China), Zijian Zeng, Bi Ran, Jun Chen, Tao Wang, Yongchun Shen, Fuqiang Wen
PA3005	<b>Efficacy of avelstat on SGRQ in patients with alpha-1 antitrypsin deficiency and mild airflow limitation: A pooled analysis from two Phase 2 studies</b> James Fettiplace (London, United Kingdom), Jamie Inshaw, Mike Wells, Mark Dransfield, Robert Stockley, Paul Jones, Jackie Parkin
PA3006	<b>Pharmacological characterization of the relaxant effect of RCD405 in isolated human small airways</b> Luigino Calzetta (Roma (RM), Italy), Clive Page, Mia Lundblad, Filippo Tommaso Gallina, Francesco Facciolo, Paola Rogliani
PA3007	<b>Ketoprofen Lysinate exerts anti-inflammatory activity and preserves barrier function in injured primary bronchial epithelial cells</b> Maria Ferraro (Palermo (PA), Italy), Serena Di Vincenzo, Paola Pinto, Valentina Lazzara, Elisabetta Pace
PA3008	<b>Exploring effects of mechanical stress in the development of emphysema using a lung organoid</b> Arthur Pavot (Lille, France), Marina Guecamburu, Emma Samaniego, Caroline Jeanniere, Yaniss Belaroussi, Matthieu Thumerel, Elise Maurat, Katharina Raasch, Pauline Henrot, Hugues Begueret, Patrick Berger, Vincent Studer, Isabelle Dupin, Maéva Zysman

**PA3009 Clinical burden of disease in COPD patients on double and triple therapy – a retrospective, longitudinal German claims study**  
Roland Buhl (Mainz, Germany), Timm Greulich, Denis Azabdaftari, Inka Albrecht, Anna Carina Meyer, Marie Schild, Nils Kossack, Lena Richter, Joanna Diesing, Oliver Damm, Claus Franz Vogelmeier

**PA3010 Mucus plugging and mucolytics in patients admitted with acute exacerbation of chronic obstructive pulmonary disease (COPD); investigating impact on short term mortality**  
Emad Abugassa (Stafford, United Kingdom), Olivia Boshier, Annabel Makan, Emma Crawford, Muhammad Adnan Saleem, Koottalai Srinivasan, Harmesh Moudgil

PS-12

Session 301

12:30 - 14:00

**Poster session: Chronic obstructive pulmonary disease comorbidities: novelties in an old link!****Disease(s) :** [Airway diseases](#)**Method(s) :** Pulmonary function testing General respiratory patient care Imaging Epidemiology Cell and molecular biology Public health**Tag(s) :** Clinical**Chairs :** Lowie Vanfleteren (Göteborg, Sweden), Bianca Beghè (Modena (MO), Italy)

**PA3011 Lung Cancer Burden in the SPIROMICS Cohort.**  
Igor Barjaktarevic (Los Angeles, United States), Lori Bateman, Fereidoun Abtin, Steven Dubinett, R. Graham Barr, Surya P. Bhatt, Alejandro Comellas, Christopher B. Cooper, Jeffrey Curtis, Mark Dransfiend, Meilan Han, Nadia Hansel, Eric Hoffman, Jerry A. Krishnan, Nathaniel Marchetti, Fernando J. Martinez, Jill Ohar, Victor E. Ortega, Robert Paine, Prescott Woodruff, Donald P. Tashkin, Russell Bowler, David Couper

**PA3012 Does raised troponin during severe COPD exacerbation predict future cardiovascular events?**  
Nyle Cockell (Greater Manchester, United Kingdom), Nihal Billing, Praanesh Kumareshan, Holly Cook, Thapas Nagarajan

**PA3013 Cardiovascular risk after hospitalization for exacerbation of COPD**  
Lia Alonso Tomás (Xativa, Spain), Cristina Rosario Martin, Marta Solé Delgado, Cristina Miralles Saavedra, Pablo Catalán Serra, Juan José Soler Cataluña

**PA3014 Finding the hidden millions: identifying undiagnosed, symptomatic COPD through lung cancer screening (the FRONTIER Programme)**  
Kayleigh Brindle (Cottingham, United Kingdom), Karen Watkins, Jennifer Shyamalee, Joanne Thompson, Shoaib Faruqi, Jennifer Gilroy-Cheetham, Charlie Maxted, Saarah Niazi-Ali, Michael Crooks

**PA3015 Significant Different Levels of CO<sub>2</sub>, NO<sub>2</sub>, CO, C<sub>6</sub>H<sub>6</sub>, and C<sub>3</sub>H<sub>8</sub> and Serum Leukotriene B<sub>4</sub> Between COPD versus COPD with Lung Cancer Patients**  
Dr. dr. Susanthy Djajalaksana, Sp.P (malang, Indonesia), Kevin Wahyudy Prasetyo, Aditya Sri Listyoko, Arinto Yudi Ponco Wardoyo

**PA3016 Dysregulated serum glycerophospholipid and fatty acid metabolism in different disease stages of COPD**  
Yan Yu (Beijing, China), Yu Xie, Yukun He, Yali Zheng, Zhancheng Gao

**PA3017 Does PRISM or Pre-COPD affect cardiovascular outcomes among COPD-patients in the Swedish National Airway Register?**  
Oskar Wallström (Göteborg, Sweden), Caroline Stridsman, Anne Lindberg, Helena Backman, Sigrid Vikjord, Fredrik Nyberg, Lowie E.G.W. Vanfleteren

**PA3018 The differences in Electrocardiography (ECG) according to the severity of Chronic Obstructive Pulmonary Disease**  
Eun Yeong Cho (Seoul, Republic of Korea), Kwang Ha Yoo, Seong Yong Lim, Youlim Kim, Jae Jeong Shim

**PA3019 COPD exacerbations and cardiovascular comorbidities**  
Lucile Regard (Paris, France), Alain Cohen-Solal, Thabut Gabriel, Charlene Rouleaux, Barbara Roux, Héloïse Russo, Nolwenn Pocard, Nicolas Roche

**PA3020 Air trapping and the risk of cardiovascular events in COPD exacerbations.**  
Anastasia Papaporfyriou (Mandra, Greece), Kostas Bartziokas, Andriana I. Papaioannou, Daniela Gompelmann, Marco Idzko

**PA3021 The interplay between COPD and chronic heart failure deterioration**  
Sanne H B van Dijk (Enschede, Netherlands), Marjolein G J Brusse-Keizer, Tanja Effing, Paul D L P M Van Der Valk, Eline H Ploumen, Job Van Der Palen, Carine J M Doggen, Anke Lenferink

**PA3022 Erythropoiesis disorders in COPD**  
Wissal Bouddine (El Jadida ; MAROC, Morocco), Nahid Zaghba, Khadija Chaanoun, Hanaa Harraz, Hanane Benjelloun, Najiba Yassine

- PA3023 Inflammatory profile of COPD reached by hypertension**  
OUAHIDA BOUROUBI (constantine, Algeria), Samia Khelifi, Leila Belkadi, Nessrine Zaabat
- PA3024 Prevalence of cardiovascular disease in COPD and AATD-COPD**  
Paul Ellis (Solihull, United Kingdom), Alice Turner, Michael Newnham
- PA3025 The effect of tiotropium/olodaterol fixed-dose combination on cardiac function in patients with newly diagnosed moderate-to-severe chronic obstructive pulmonary disease**  
Ieva Dimiene (Kaunas, Lithuania), Lina Padervinskiene, Inesa Jermalaviciene, Deimante Hoppenot, Skaidrius Miliauskas
- PA3026 Impact of COPD on the Follow-up of Patients with Acute Coronary Syndrome.**  
Santiago Rodriguez-Segade Alonso (A Coruña, Spain), Irene Nieto Codesido, Carmen Diego Roza, Elvira Clavero Fernández
- PA3027 Endothelial dysfunction and coronary artery disease in patients with COPD**  
Mairi MacLeod (London, United Kingdom), Kristopher Knott, Ralph Lopez, Sam Bartlett-Pestell, Aaron Braddy-Green, Ramzi Y Khamis, Peter J Barnes, Peter Collins, Ed D Nicol, Jadwiga A Wedzicha, Koralia Paschalaki
- PA3028 The prevalence of EGFR mutations in lung adenocarcinoma patients with COPD: a middle income country experience**  
Ivana Canak (Sremska Kamenica, Republic of Serbia), Jelena Mikov, Goran Stojanovic, Vanesa Sekerus, Marko Bojovic, Ana Milenkovic, Ilija Andrijevic, Ivan Kopitovic, Nensi Lalic, Marija Vukoja
- PA3029 Characteristics of COPD patients experiencing cardiovascular events during hospitalization for COPD exacerbation**  
STAVROULA ZANELI (ATHENS, Greece), Giorgos Zakyntinos, Anastasia Papaporfyriou, Konstantinos Bartziokas, Evangelos Oikonomou, Angelos Vontetsianos, Agamemnon Bakakos, Idzko Marco, Daniela Gompelmann, Emmanouil Vavouranakis, Petros Bakakos, Andrianna Papaioannou
- PA3030 The predictive value of eosinophil levels on structural and functional changes in the left ventricle in COPD combined with hypertension**  
Anastasiia Melenevych (Kharkiv, Ukraine)

PS-13

Session 302

12:30 - 14:00

## Poster session: Clinical chronic obstructive pulmonary disease II

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

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

Tag(s) : Clinical

Chairs : Marco Contoli (Ferrara (FE), Italy), Kathrin Kahnert (München, Germany)

- PA3031 Moderate-to-vigorous Physical Activity Reduces Mortality, Exacerbation, and Inhaled Corticosteroid Usage in COPD patients Using a LAMA/LABA combination: An Emulated Target Trial Using a Nationwide Cohort**  
Hye Yun Park (Seoul, Republic of Korea), Taeyun Kim, Hyunsoo Kim, Sun Hye Shin, Yunjoo Im, Sunga Kong, Hye Sook Choi, Sungmin Zo, Sang Hyuk Kim, Jung-Wan Yoo, Danbee Kang
- PA3032 The Gut-Airways Microbiome axis in COPD**  
Julieta Viglino (Barcelona, Spain), Lidia Perea, Marian Garcia-Nuñez, Ana Rodrigo-Troyano, Alfons Torrego, Marisol Domínguez, Laura Miratilles, Sara Quero, Jesse Willis, Ester Saus, Toni Gabaldón, Joaquim Gea, Maria Salud Santos, Alvar Agustí, Eduard Monsó, Oriol Sibila, Rosa Faner
- PA3033 Pulmonary evaluation in potential kidney transplant candidates**  
Inês Fernandes Pedro (Lisboa (Lisboa), Portugal), Dina Escaleira Fernandes, Susana Moreira
- PA3034 Nomogram model to predict progression from Preserved Ratio Impaired Spirometry to Chronic Obstructive Pulmonary Disease in inpatient people: Development and validation of a novel model.**  
Wu Jiaxuan (Chengdu, China), Li Weimin
- PA3035 Mortality in a cohort of COPD patients according to their clinical phenotype**  
Laura Castellanos López (Madrid, Spain), Guillermo Ansede Bordonaba, Patricia Pérez González, Elena García Castillo, Tamara Alonso Pérez
- PA3036 Treatable features in decompensated COPD: network analysis**  
Marta Sole Delgado (Valencia, Spain)
- PA3037 Eosinophilic COPD phenotyping: a cluster analysis approach**  
Mariafrancesca Grimaldi (Altamura, BARI, Italy), Marianna Cicchetti, Alessandro Capuano, Sara Piccinno, Giovanni Sanasi, Eustachio Ricciardi, Maria Rosaria Vulpi, Carla Santomasi, Fabrizio Diaferia, Andrea Portacci, Cristian Locorotondo, Agnese Caringella, Giovanna Elisiana Carpagnano



- PA3038 Association of Dysanapsis with FEV1 Decline in Early COPD: The BEACON Cohort**  
Andrew Ritchie (London, United Kingdom), Gavin Donaldson, Eric Hoffman, James Allinson, Chloe Bloom, Benjamin Smith, Charlotte Bolton, Gourab Choudhury, Sarah Gerard, Junfeng Guo, Luana Alves-Moreira, Lorcan Mcgarvey, Elizabeth Sapey, Robert Stockley, Kp Yip, Dave Singh, Tom Wilkinson, Hana Mullerova, Kristoffer Ostridge, Olaf Jöns, Enrica Bucchioni, Chris Compton, Paul Jones, Karen Mezzi, Jørgen Vestbo, Peter Calverley, Jadwiga Wedzicha
- PA3039 Lung Tissue Heterogeneity in Non-smokers, Smokers without Airflow Obstruction, and COPD**  
Ho-Fung Chan (Auckland, New Zealand), Joyce John, Haribalan Kuman, Kelly S Burrowes, Surya P Bhatt, Ge Jin, Evgeniia Golovina, Justin M O'Sullivan, Merryn H Tawhai
- PA3040 The effect of smoking cessation on airway-occluding mucus plugs in COPD**  
Sofia Mettler (Cambridge, United States), Hrudaya Nath, Scott Grumley, Andrew Yen, Padma Manapragada, Mostafa Abozeed, Muhammad Aziz, Mohd Zahid, Rim Elalami, Maya Abdalla, Sushilkumar Sonavane, Raúl San José Estépar, Michael Cho, Alejandro Diaz
- PA3041 Impact of chronic bronchitis in moderate COPD**  
Paul Jones (London, United Kingdom), Tao Ye, Chang Liu, Chris Compton, Xinying Huang, Qianli Ma, Fuqiang Wen, Yongchang Sun, Jinping Zheng, Rongchang Chen
- PA3042 Characterization of GOLD E COPD patients in the United States**  
Surya Bhatt (Birmingham, United States), Yiran Zhang, John White, Rachel Halpern, Richard H. Stanford, Ernesto Mayen Herrera, Xavier Soler, Mena Soliman, Harry Sacks, Jigna Heble, Michel Djandji, Juby Jacob-Nara, Tabarak Qureshi, Arun Subramaniam
- PA3043 • Do bronchiectasis worsens COPD – a cross-sectional pilot study**  
Soumya Das (Kolkata (West Bengal), India), Hrishikesh Barui, Santanu Ghosh, Subhajit Ghosh
- PA3045 Association of Neutrophil-to-Lymphocyte-Ratio and clinical outcomes in COPD**  
Marjolein Brusse-Keizer (Enschede, Netherlands), Lynn Engbers, Emanuel Citgez, Job Van Der Palen
- PA3046 Low household income increases risks for chronic obstructive pulmonary disease in young population**  
Sei Won Lee (Seoul, Republic of Korea), Chiwook Chung, Kyungdo Han, Kyu Na Lee, Dong Wook Shin
- PA3047 Expression of ectonucleotidase CD73 and inflammatory profile by clinical phenotypes in COPD**  
Carmen Lores Benavente (Barcelona, Spain), Paula Camps, Ester Cuevas, Elisabet Aliagas, Alfredo Marin, Marta López, Mariana Muñoz, Salud Santos
- PA3048 Effects of PM2.5 components on peak expiratory flow among COPD patients: A panel study**  
Yutong Cai (London, United Kingdom), Jiachen Li, Haolin Wang, Lirong Liang, Zhaohui Tong
- PA3049 The Survival Rate of COPD Patients in Malaysia : EXACOS-MY study**  
Syazatul Syakirin Sirol Aflah (Kuala Lumpur, Malaysia), Ahmad Izuanuddin Ismail, Wong Chee Kuan, Aisya Natasya Musa
- PA3050 The Philippine COPD Profile and Survival Study (CPASS): A multicenter, prospective cohort, Observational study - Characteristics of patients according to risk factors**  
Roland Panaligan (Quezon City, Philippines), Irene Rosellen Tan, Lenora Fernandez, Joan Tan, Celeste Mae Campomanes, Violeta Reyes, Helen Isaac, Teresita De Guia, Rodolfo Pagcatipunan, Tim Trinidad

PS-14

Session 303

12:30 - 14:00

## Poster session: Monitoring in airway disease II: looking towards the future

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

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing Physiology Pulmonary rehabilitation

Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical

Chairs : Maarten van den Berge (Groningen, Netherlands), James Dean (Holmes Chapel, United Kingdom)

- PA3051 AI model generalization assessed on unlabeled pulmonary function data from daily use**  
Ahmed Elmahy (Leuven, Belgium), Julie Maes, Elena Smets, Maarten De Vos, Marko Topalovic
- PA3052 Exploring Variations in FEV1 and FVC z-Scores: A Methodological Framework to 'the Elephant in the Room'.**  
Christoph Gross (Vienna, Austria), Tobias Mraz, Charmaine Helk-Lim, Emiel F. M. Wouters, Sylvia Hartl, Robab Breyer-Kohansal, Marie-Kathrin Breyer
- PA3053 Lung clearance index in adult respiratory medicine**  
Anika Hain (Solingen, Germany), Sandhya Matthes, Marcel Treml, Winfried Randerath, Lars Hagemeyer

- PA3054 Phenotypes of dynamic changes in impulse oscillometry during methacholine challenge**  
Ran Wang (Manchester (Greater Manchester), United Kingdom), Miriam Bennett, Lisa Willmore, Liam Whipday, Lesley Lowe, Angela Simpson, Clare Murray, Stephen Fowler
- PA3055 Longitudinal changes in abnormal lung mechanics in a general population**  
Chiara Veneroni (Milano (MI), Italy), Christoph Valach, Emiel F M Wouters, Christoph Gross, Alessandro Gobbi, Raffaele Dellaca', Marie-Kathrin Breyer, Sylvia Hartl, Charles Irvin, Pasquale Pompilio, Robab Breyer-Kohansal
- PA3056 Is the impedance modulus (Z) an adequate summary of oscillometry parameters in the general population?**  
Christoph Valach (Vienna, Austria), Chiara Veneroni, Emiel F M Wouters, Christoph Gross, Alessandro Gobbi, Raffaele Dellaca', Marie-Kathrin Breyer, Sylvia Hartl, Charles G Irvin, Pasquale Pompilio, Robab Breyer-Kohansal
- PA3057 Association of Preserved Ratio Impaired Spirometry (PRISm) with All-Cause Mortality: a longitudinal cohort study**  
Yunjoo Im (Seoul, Republic of Korea), Taeyun Kim, Hye Yun Park
- PA3058 Defining small airways disease- does it matter? Comparison of prevalence and characteristics in the general population based on different definitions**  
Hazim Abozid (Wien, Austria), Emiel F.M. Wouters, Ahmad Karimi, Mohammad Azizzadeh, Andre F.S. Amaral, Sylvia Hartl, David Kaminsky, Marie-Kathrin Breyer, Robab Breyer- Kohansal
- PA3059 Home Spirometry in Clinical Trials: Evaluating Adherence and Quality in Patients with Asthma**  
Benoit Cuyvers (Leuven, Belgium), Paul Desbordes, Karolien Van Orshoven, Marko Topalovic, Martina Foti, Lorenzo Mancini, Sandrine Corre, Isabella Viaud, Eva Topole
- PA3060 Bronchodilator response in asthma and COPD patients – additional spirometry parameters and their significance**  
Stoilka Koleva Mandazhieva (Plovdiv, Bulgaria), Plamena Stoimenova, Blagoi Marinov
- PA3061 Navigating bronchodilator response in impulse oscillometry: are the latest cut-offs the optimal choice?**  
Tai Tran Quoc (Ho Chi Minh, Vietnam), Loi Hoang Dai, Lan Le Thi Tuyet
- PA3062 Burden of preserved ratio impaired spirometry (PRISm) in the urban and rural community health screening camps in India**  
Sundeep Santosh Salvi (Pune (Maharashtra), India), Vandana Das, Sapna Madas, Monica Barne, Monika Dhawale, Ashfaque Shaikh, Prasad Shinde, Asmita Gaikwad, Abhishek Sabale
- PA3063 The role of small airways dysfunction in EGPA**  
Simone Bonetti (Casaletto Vaprio, Italy), Roberta Trapasso, Gianluca Imeri, Greta Chiodini, Roberta Biza, Maria Lavinia Bellini, Francesco Caglioni, Carlo Catani, Benedetta Cavazzutti, Luca Novelli, Fabiano Di Marco
- PA3064 Longitudinal follow-up of spirometry parameters in patients with COPD during pulmonary rehabilitation**  
Daphne Peerlings (Maastricht, Netherlands), Kiki Waeijen-Smit, Antonio Digiandomenico, Kristoffer Ostridge, Victoria Godfrey, Josh Woosley, Sander Van Kuijk, Martijn A Spruit, Sami O. Simons, Sarah Houben-Wilke, Frits M E Franssen
- PA3065 An explainable Artificial Intelligence approach for delineating sex-based profiles in severe asthma**  
Alessia Catalisano (Firenze, Italy), Chiara Marzi, Chiara Allegrini, Elisa Bentivegna, Alberto Bracciali, Greta Insalata, Martina Maria Marinato, Stefano Diciotti, Michela Baccini, Gianna Camiciottoli
- PA3066 Could inspiratory capacity predict lung hyperinflation in patients with obstructive ventilatory impairment?**  
Amani SAYHI (tunis, Tunisia), Chaima Briki, Narjes Ben Abbes, Wieme Ben Hmid, Saba Boubakri, Ines Ghannouchi, Sonia Rouatbi
- PA3067 Correlation between Handgrip Strength and Air Trapping in Patients with Stable Chronic Obstructive Pulmonary Disease**  
Kritti Tirakitpanich, Narongkorn Saiphoklang
- PA3068 Optimal cut-offs for SAD indicators in predicting airflow obstruction**  
Ahmad Karimi (Wien, Austria), Mohammad Azizzadeh, Hazim Abozid, Sylvia Hartl, Marie-Kathrin Breyer, David A. Kaminsky, Emiel F M Wouters, Robab Breyer-Kohansal
- PA3069 Impact of using pre- and post-bronchodilator spirometry reference values in a Chinese population**  
Ke Huang (Beijing, China), Xueyan Han, Zhaoyang Pan, Tianjia Guan, Ting Yang, Chen Wang
- PA3070 Assessment of preoperative spirometric profiles and dyspnea severity in patients undergoing thoracic surgery**  
Ines Hichri (Ariana, Tunisia), Soumaya Khaldi, Myriam Bouzid, Khouloud Kchaou, Balsam Barkous, Saloua Ben Khamsa Jameledine

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

**Method(s) :** Epidemiology Respiratory intensive care Cell and molecular biology Physiology General respiratory patient care Pulmonary function testing

**Tag(s) :** Clinical, Translational

**Chairs :** Mona Al-Ahmad (Kuwait, Kuwait), Christina Bal (Wien, Austria)

PA3071	<b>Nasal transcriptomic profiling reveals distinct patterns in Type 2 Asthma</b> Simon Kebede Merid (Stockholm, Sweden), Natalia Hernandez-Pacheco, Sophia Björkander, Susanna Klevebro, Gang Wang, Anne-Sophie Merritt, Anna Bergström, Inger Kull, Carsten O Daub, Gerard H. Koppelman, Erik Melén
PA3072	<b>Proteomic profiling of urinary sEVs reveals signature proteins in T2hi versus T2lo asthma</b> Laura Martelo-Vidal (santiago de compostela, Spain), Sara Vázquez-Mera, Pablo Miguéns-Suárez, Susana-Belén Bravo, Marina Blanco-Aparicio, Antía Ferreiro-Posse, Dolores Corbacho-Abelaira, Franciso-Javier González-Barcala, Francisco-Javier Salgado, Juan José Nieto-Fontarigo
PA3073	<b>Clustering analysis of asthma patients based on lymphocytes subpopulations: CD4+CD26-/lo T cells with a TEM/TEMRA phenotype blur the innate-adaptive frontier in allergic asthma</b> Sara Vázquez-Mera (Santiago de Compostela, Spain), Pablo Miguéns-Suárez, Laura Martelo-Vidal, Paula Saavedra-Nieves, Susana Belén Bravo, Antía Ferreiro-Posse, Marina Blanco-Aparicio, Mar Mosteiro-Añón, Juan José Nieto-Fontarigo, Francisco Javier Salgado, Francisco Javier González-Barcala
PA3074	<b>Immune markers in monosensitised and polysensitised patients with allergic airway diseases</b> Laura Tamasauskiene (Kauno raj., Lithuania), Brigita Gradauskiene
PA3075	<b>The German Asthma Net: Patients without any type 2 biomarker signal are exceedingly rare</b> Christina Bal (Wien, Austria), Christian Taube, Eckard Hamelmann, Roland Buhl, Stephanie Korn, Marco Idzko
PA3076	<b>Understanding the role of IGFALS in moderate-severe allergic asthma</b> Pablo Miguéns-Suárez (Santiago de Compostela, Spain), Laura Martelo-Vidal, Sara Vázquez-Mera, Juan José Nieto-Fontarigo, Antía Ferreiro-Posse, Marina Blanco-Aparicio, Tamara Hermida-Valverde, Francisco Javier Salgado, Francisco Javier González-Barcala
PA3077	<b>Gene-gene interaction networks for SYK in immune cell subsets for allergies and asthma</b> Li Gao (Baltimore, United States)
PA3078	<b>Interleukin-4 (C590T), Interleukin-6 (174G/C), Interleukin-13 (rs20541) and Tumor Necrotic Factor-<math>\alpha</math> (G308A) Gene Polymorphisms and Clinical Markers as Predictors of Asthma Severity: Insights from a Comparative Study</b> Mona Al-Ahmad (Kuwait, Kuwait), Asmaa Ali, Mohammad Haider
PA3079	<b>A comparative analysis of circulating miRNA-21 and miRNA-155 in asthma patients versus healthy controls: Insights into potential biomarkers</b> Ram Niwas (Bathinda, India), Kamala Kant Shukla, Rajani Kumawat, Naveen Dutt, Nishant Chauhan
PA3080	<b>The role of circulating sex hormones in mild-to-moderate asthma: cross-sectional analysis within the Rotterdam Study</b> Sebastian Riemann (Ghent, Belgium), Layal Chaker, Guy Brusselle
PA3081	<b>Prevalence of IgE sensitization to dog allergen components and the association with clinical outcomes in a cohort of young asthmatics</b> Nikolaos Tsolakis (Uppsala, Sweden), Viuu Blöndal, Christer Janson, Jonas Lidholm, Lars Mattsson, Andrei Malinovski, Kjell Alving
PA3082	<b>T Cell Senescence: A Possible New Phenotype in Patients with Asthma</b> Chun Chang (Beijing, China), Huan Liu
PA3083	<b>Is FeNO a reliable marker for follow-up of patients on anti-IL5 therapy?</b> Raquel Alexandra Dos Santos Silva (Setúbal, Portugal), Joana Marques Simões, Carlos Lopes, Henrique Cabrita, Alda Manique, Cristina Bárbara
PA3084	<b>Serum fatty-acid binding protein is associated with lung function in asthma</b> Justin Salciccioli (Boston, United States), M Furkan Burak, Ayse Ayci, Gokhan Hotamisligil, Mark Aronica, Mario Castro, Prescott Woodruff, Loren Denlinger, Wendy Moore, Dave Mauger, Bruce Levy, Elliot Israel
PA3085	<b>Exploring Spleen-Specific IgE as a Biomarker in Late-Onset Asthma Patients</b> Ha-Kyeong Won (Seoul, Republic of Korea), Jiwon Lee, Ji-Hyang Lee, Jun-Pyo Choi, Woo-Jung Song
PA3086	<b>Elevated serum IL-36 subfamily levels impact on asthma control</b> Yuki Hoshino (Saitama, Japan), Tomoyuki Soma, Tatsuhiko Uno, Reina Ishii, Kazuki Katayama, Hidetoshi Iemura, Erika Naitou, Yoshitaka Uchida, Kazuyuki Nakagome, Makoto Nagata

**PA3087 Elevated Neutrophil-to-Lymphocyte Ratio Is Associated with Severe Asthma Exacerbation**  
Hana Blibech (Ariana, Tunisia), Line Kaabi, Houda Snene, Donia Belkhir, Sabrine Elfidha, Sirine Khemiri, Bochra Karaborni, Nadia Mehiri, Sameh Belhaj, Nozha Ben Salah, Bechir Louzir

**PA3088 Association between red blood cell distribution width and in-ICU mortality in asthmatic patients: A cohort study**  
Jun Wen (Chongqing, China)

**PA3089 Characteristics of severe asthma patients requiring ICU treatment across the SHARP CRC**  
Evangelia Fouka (Thessaloniki, Greece), Aruna T. Bansal, Kjell Erik Julius Håkansson, Fabienne Jaun, Kristina Bieksiene, Marcus Butler, Zsuzsanna Csoma, Barbro Dahlén, Bilun Gemicioglu, Ineta Grisle, Sanja Hromis, Piotr Kuna, Florin Mihălțan, Sanja Grle Popovic, Vratislav Sedlak, Svetlana Sergejeva, Sabina Skrgat, Anneke Ten Brinke, Valentyna Yasinska, Eleftherios Zervas, Florence Schleich, Celeste Porsbjerg, Apostolos Bossios

**PA3090 Platelet degranulation is associated with respiratory morbidity in COPD**  
Ashraf Fawzy (Baltimore, United States), Vickram Tejwani, Nirupama Putcha, Erin Capodanno, Obiageli Offor, Cheng Ting Lin, Franco D'Alessio, Nauder Faraday, Nadia Hansel

PS-16

Session 305

12:30 - 14:00

**Poster session: Lung function and lung function-associated respiratory health outcomes**Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Respiratory critical care](#)

Method(s) : Pulmonary function testing Epidemiology Public health Pulmonary rehabilitation

Tag(s) : Clinical

Chairs : Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Rita Amaral (Porto, Portugal)

**PA3091 How to define the LLN in spirometry: associations of different percentile thresholds with respiratory symptoms and mortality**  
Lucia Cestelli (Bergen, Norway), Knut Stavem, Ane Johannessen, Amund Gulsvik, Rune Nielsen

**PA3092 Estimation of lung function decline from the longitudinal COSYCONET cohort: does drop-out information matter?**  
Rolf Holle (Munich, Germany), Tobias Niedermaier, Rudolf Jörres, Peter Alter, Claus Vogelmeier

**PA3093 What defines spirometry: pulmonary and extrapulmonary traits behind spirometric patterns**  
Charmaine J. M. Helk-Lim (Vienna, Austria), Christoph Gross, Tobias Mraz, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal, Emiel F. M. Wouters

**PA3094 Association between handgrip strength and lung function indices in the UK Biobank.**  
Claudia Flexeder (Neuherberg, Germany), Franziska Kirchner, Elisabeth Thiering, Carla Harris, Marie Standl, Dennis Nowak, Annette Peters

**PA3095 Airflow limitation among young adults in Europe: A preliminary analysis in a Chronic Airway Diseases Early Stratification (CADSET) collaboration including 109 216 individuals across seven population-based cohorts**  
Shoaib Afzal (Herlev, Denmark), Yunus Çolak, James Allinson, Maarten Van Den Berge, Debbie Jarvis, Arnulf Langhammer, Eva Rönmark, Bright I. Nwaru, Hannu Kankaanranta, Judith M. Vonk, Sigrid A. Aalberg Vikjord, Helena Backman, Anne Lindberg, Peter Lange, Børge G. Nordestgaard, Lowie E. G. W. Vanfleteren, Jørgen Vestbo, Jadwiga A. Wedzicha, Erik Melén, Alvar Agustí, Rosa Faner

**PA3096 Incidence and survival of Interstitial Lung Diseases in the UK in 2000-2022: real-world data from the OPCR D primary care database.**  
Francesca Gonnelli (Ancona, Italy), Neva Eleangovan, Ursie Smith, Vydia Navaratnam, Tamera J Corte, David B. Price, Victoria Carter, Martina Bonifazi, Richard Hubbard

**PA3097 Longitudinal transitional states of spirometric patterns: the LEAD study**  
Charmaine J. M. Helk-Lim (Vienna, Austria), Christoph Gross, Tobias Mraz, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal, Emiel F. M. Wouters

**PA3098 Staging of airflow limitation according to GOLD, ERS/ATS, STAR and FEV1Q differ in relation to mortality**  
Helena Backman (Luleå, Sweden), Anders Lundquist, Linnea Hedman, Caroline Stridsman, Eva Rönmark, Anne Lindberg

**PA3099 Relationship of Body Compartments and Lung Function in Adults and Elderly.**  
Christoph Gross (Vienna, Austria), Alina Ofenheimer, Emiel F. M. Wouters, Mohammad Azizzadeh, Sylvia Hartl, Robab Breyer-Kohansal, Marie-Kathrin Breyer

**PA3100 Effects of alcohol consumption from early adolescence on FEV1: A retrospective cohort study**  
Mathias Therkelsen (Aalborg Øst, Denmark), Line Bjerrehave Nielsen, Ulla Møller Weinreich

**PA3101 Asthma, but not allergic sensitization, is associated with impaired lung function in young adulthood - a longitudinal population based study**  
Eva Rönmark (Luleå, Sweden), Joakim Bunne, Anders Bjerg, Linnea Hedman

- PA3102** **Investigating the causal effects of insomnia on lung function: a two-sample Mendelian randomisation study**  
Laxmi Bhatta (Trondheim, Norway), Sweta Pathak, Sigrid Anna Aalberg Vikjord, Arnulf Langhammer, Ben Brumpton, Linn Beate Strand, Ismail Cüneyt Güzey
- PA3103** **The Association of dyspnoea and quality of life in the BOLD study**  
Alexander Müller (Wien, Austria), Émiel F.M. Wouters, Daisy J.A. Janssen, André F.S. Amaral
- PA3104** **The prognostic impact of smoking and BMI in interstitial lung diseases: real-world data from primary care.**  
Francesca Gonnelli (Ancona, Italy), Neva Eleangovan, Ursie Smith, Vydia Navaratnam, Tamera J. Corte, David B. Price, Victoria Carter, Martina Bonifazi, Richard Hubbard
- PA3105** **Respiratory symptoms in Mauritius are related to ethnicity and level of education**  
Ulf Nilsson (Umeå, Sweden), Anders Blomberg, Sudhir Kowlessur, Jaakko Tuomilehto, Stefan Söderberg
- PA3106** **French pulmonologists suffered from impaired health and quality of life due to their work**  
Claire LÉLOUP (BORDEAUX, France), Damien Basille, Augustin Boudoussier, Arnaud Maurac, Léo Grassion, Camille Roland-Debord, Clémence Martin, Florence Jeny, Thomas Maitre, Maxime Patout, Lucile Sese, Thibaud Soumagne, Thomas Gille, Gregoire Justeau, Hélène Salvator, Jonathan Messika, Etienne-Marie Jutant, Olivier Le Rouzic, Michael Duruisseaux, Bruno Ribeiro Baptista, Simon Valentin, Anne-Claire Toffart, Maéva Zysman
- PA3107** **Clinical profile and course of children with postinfectious bronchiolitis obliterans (PIBO) from a tertiary care hospital in Nepal**  
Jagat Jeevan Ghimire (Kathmandu, Nepal)
- PA3108** **Baseline pulmonary function in patients with Severe Asthma in Spain according to biological treatment use: BREATHE study**  
Iñigo Ojanguren Arranz (SANT CUGAT DEL VALLÉS, Spain), Manuel Rial, Gema Monteagudo, José Julio Jiménez, Francisco Ramos, Gabriel Niza, Javier Nuevo Rivero
- PA3109** **Prevalence of asthma among adult population in Western provinces, Mongolia**  
Naidansuren Tuvshintur (Ulaanbaatar, Mongolia), Bandi Solongo, Sonomjants Munkhbayarlakh, Tsendekhuu Naidansuren
- PA3110** **Effect of vaccination on the severe forms of COVID-19 disease: results from the hospitalized cohort in Sahloul University Hospital-Tunisia**  
Arwa Neffati (Tunis, Tunisia), Hela Gali, Sana Bhiri, Habiba Ben Hamada, Balsam Kacem, Mohamed Ben Rejeb, Asma Ben Cheikh, Mohamed Kahloul, Walid Naija, Halim Trabelsi, Houyem Said

PS-17

Session 306

12:30 - 14:00

**Poster session: Occupational and environmental airway diseases****Disease(s)** : Airway diseases**Method(s)** : Epidemiology Public health General respiratory patient care Pulmonary function testing**Tag(s)** : Clinical**Chairs** : Giovanni Viegi (Pisa (PI), Italy), Isabella Annesi Maesano (Montpellier, France)

- PA3111** **Occupational exposures and rhinitis in the population-based CONSTANCES cohort**  
Laurent Orsi (Paris, France), Marine Savouré, Guillaume Sit, Marcel Goldberg, Yuriko Iwastubo, Celine Ribet, Marie Zins, Nicole Le Moual, Rachel Nadif, Orianne Dumas
- PA3112** **Nonspecific bronchial hyperresponsiveness and eosinophilic airway inflammation predict occupational asthma to HMW agents but not to LMW agents**  
Ollipekka Kailari (Helsinki, Finland), Jussi Lantto, Irmeli Lindström, Hille Suojalehto
- PA3113** **Occupational asthma patients' long-term employment**  
Irmeli Lindström (Helsinki, Finland), Jussi Lantto, Hille Suojalehto
- PA3114** **Non-Smokers COPD have a Dominant Imaging Phenotype of Chronic Bronchitis and less Emphysema**  
Einat Fireman Klein (HAIFA, Israel), Ola Efimovski, Nili Stein, Yochai Adir, Michal Shteinberg
- PA3115** **COPD prevalence and characteristics in a random sample of workers**  
Sasho Stoleski (Skopje, North Macedonia), Jordan Minov, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska
- PA3116** **'30 years of SHIELD' – an overview and update on surveillance of occupational asthma in the West Midlands, United Kingdom**  
Kimberley Nettleton (Birmingham (West Midlands), United Kingdom), Gareth I. Walters, Christopher C. Huntley, Vicky C. Moore, Samuel Wallbanks, Arun Vellore, Alastair S. Robertson, P. Sherwood Burge



- PA3117 Exposure to mixtures of cleaning products is linked to asthma and lung function deficits**  
Xin Dai (Truganina (VIC), Australia), Michael Abramson, Garun Hamilton, Bruce Thompson, Cecilie Svanes, Geza Benke, Sonia Kaushik, Shyamali Dharmage, Caroline Lodge
- PA3118 Respiratory symptoms, COPD, and work ability in workers exposed to phenolic resins**  
Dragan Mijakoski (Skopje, North Macedonia), Sasho Stoleski, Jordan Minov
- PA3119 Occupational respiratory diseases in Ukraine.**  
Oksana Karasova (Dnipro, Ukraine), Viktoriya Rodionova, Liudmila Glyniana, Olenena Kovalenko
- PA3120 Allergen-specific IgE sensitization and occupational exposure to irritants**  
Nicolas Miguères (Strasbourg, France), Oriane Dumas, Anne Boudier, Jean Bousquet, Raphaelle Varraso, Rudolf Valenta, Rachel Nadif, Frédéric De Blay, Nicole Le Moual, Valérie Siroux
- PA3121 Risk factor affecting symptoms of respiratory disorder in palm oil mill workers at PT.X Banyuasin Regency**  
Muhtia Mahderina Cahyani (Solok, Indonesia), Miranti Dewi Pramaningtyas, Vita Widayarsi
- PA3122 Effects of physical activity, air pollution, and inhaled dose on lung function in 6-9 year-old children**  
Sarah Koch (Barcelona, Spain), Sandra Marquez, Jose Urquiza, Norun Hjertager Krog, Berit Brunstad Granum, Gunn Marit Aasvang, Marina Vafeiadi, Rosie Mceachan, Sandra Andrusaityte, Regina Grazuleviciene, Maribel Casas, Valérie Siroux, Judith Garcia-Aymerich, Mark Nieuwenhuijsen, Martine Vrijheid
- PA3123 Increased Risk of Severity in COPD with Eosinophilic Inflammation due to Air Pollution Exposure**  
Huan Minh Tran (Taipei, Taiwan), Hsiao-Chi Chuang, Amja Manullang, Shu-Chuan Ho, Kang-Yun Lee, Kuan-Yuan Chen, Tzu-Tao Chen, Chien-Hua Tseng, Kian Fan Chung
- PA3124 Influence of particulate matter pollution on emergency department visits for COPD exacerbations. A time series.**  
Claudia Beigveder (Valladolid, Spain), Tania Alvaro De Castro, Karla Cordero Camacho, Tomás Ruiz Albi, Fernando Diez Gil, Angela Alvarez Suarez, Raúl Lopez Izquierdo, Fernando Moreno, Daniel Alvarez Gonzalez, Roberto Hornero Sanchez, Felix Del Campo Matía
- PA3125 Airborne pollen and hospital admissions for asthma: daily time series**  
Amy Hai Yan Chan (Auckland, New Zealand), Rashi Bhalla, Laura Mcdonald, Natasha Ngadi, Stuti Misra, Rewi Newnham, Kat Holt
- PA3126 Long-term ozone exposure and COPD assessment test (CAT) score: findings from the China Pulmonary Health Study**  
Ke Huang (Beijing, China), Xueyan Han, Zhaoyang Pan, Tianjia Guan, Ting Yang, Chen Wang
- PA3127 Temperature in the workplace and respiratory health status: an analytical epidemiological survey in Italy**  
Giuseppe Sarno (Pisa (PI), Italy), Sandra Baldacci, Anna Angino, Iliaria Stanisci, Sofia Tagliaferro, Giovanni Viegi, Carolina Mensi, Lucia Miligi, Stefania Massari, Claudio Gariazzo, Michela Bonafede, Annibale Biggeri, Dolores Catelan, Sara Maio
- PA3128 Effect of the inhaled dose of air pollution on respiratory health: a systematic review**  
Alicia Josa-Culleré (Barcelona, Spain), Aslihan Cakmak, Judith Garcia-Aymerich, Ioar Rivas, Sarah Koch
- PA3129 Associations between long-term exposure to air pollution and lung function in the LEAD general population study**  
Hicran Altug (Düsseldorf, Germany), Sarah Lucht, Lilian Tzivian, Katherine Ogurtsova, Alina Ofenheimer, Ahmad Karimi, Mohammad Azizzadeh, Tobias Mraz, Emiel F.M. Wouters, Sylvia Hartl, Barbara Hoffmann, Robab Breyer-Kohansal, Marie-Kathrin Breyer
- PA3130 Hospitalizations of COPD patients and the level of air pollution and meteorological conditions in Poland in 2012-2019**  
Mateusz Jankowski (Warsaw, Poland), Bogdan Bochenek, Joanna Wiczorek, Marta Gruszczynska, Piotr Sekula, Michał Ziemiański, Adam Jaczewski, Andrzej Wyszogrodzki, Jarosław Pinkas, Mariusz Figurski

PS-18

Session 307

12:30 - 14:00

## Poster session: Asthma during childhood: risk factors, lifestyle and comorbidities

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

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

Tag(s) : Clinical

Chairs : Ruth Grychtol (Hannover, Germany), Helen Hanstock (Östersund, Sweden)

- PA3131 Early-life lower respiratory tract infection (LRTI) and risk of school-age asthma - A population-based cohort study**  
Åsne Myklebust (Heimdal, Norway), Henrik Døllner, Kristine Pape, Tormod Rogne, Kari Risnes
- PA3132 Clinical predictors of non-acute airflow obstruction in children with asthma**  
Francine Ducharme (Montréal (QC), Canada), Anna Smyrnova, Melissa Yu

- PA3133 Relationship between Fast food and Prevalence of Bronchial Asthma**  
Yoko Murakami (Hiroshima City, Japan), Hiroshi Odajima
- 
- PA3134 Specific airway resistance according to early maternal Vitamin D status during pregnancy in children aged 5 to 6 years old from the FEPEP cohort (RESPIFEPEP)**  
Apolline Gonsard (Paris, France), Fabienne Marquant, Caroline Elie, Muriel Le Bourgeois, Véronique Houdouin, Christophe Delclaux, Nicole Beydon, Adele Bellino, Jean-Claude Souberbielle, Isabelle Sermet Gaudelus, Christophe Delacourt, Alexandra Benachi, Alice Hadchouel
- 
- PA3135 Childhood trajectories of asthma, rhinitis, and eczema based on medication use in a Swedish birth cohort**  
Daniil Lisik (Gothenburg, Sweden), Göran Wennergren, Hannu Kankaanranta, Rani Basna, Syed Ahmar Shah, Bernt Alm, Frida Strömberg Celind, Emma Goksör, Bright Ibeabughichi Nwaru
- 
- PA3136 Prospective Testing Bronchial Obstruction Reversibility in Preterm Children: Inhaled betamimetics versus parasympatholytics**  
Yotam Ophir (Prague, Czech Republic), Jana Tuková
- 
- PA3137 Interventions to reduce the impact of outdoor air pollution on asthma: A systematic review.**  
Sbekezelo Thembelihle Hlophe (Pietermaritzburg, South Africa), Reratilwe Mphahlele, Kevin Mortimer, Refiloe Masekela
- 
- PA3138 Machine learning approach to identify non-linear contributors to asthma development**  
Frederikke Rosenvinge Skov (Gentofte, Denmark), Mario Lovric, Bo Chawes, Jakob Stokholm, Klaus Bønnelykke, Ann-Marie Malby Schoos
- 
- PA3139 Asthma in primary ciliary dyskinesia: A local airway response rather than a feature of systemic allergic response.**  
Arthur Owora (Indianapolis, United States), Benjamin Gaston, Nadzeya Marozkina
- 
- PA3140 Mode of delivery and neonatal characteristics as risk factors for childhood asthma in Qatar: a case-control study**  
Khalid Zahradin (Doha, Qatar), Samah Elshaar, Abdelrahman Babiker, Ahmed Adel, Mohammad A. A.Bayoumi, Manar E. Abdel-Rahman
- 
- PA3141 Attention Deficit Hyperactivity Disorder (ADHD) And Atopic Disease in pediatric population. Systematic Review Of The Literature And Meta Analyses**  
Jean-marc Gilardoni (Nice, France), Sibylle Blanc, Lisa Giovannini-Chami, Thierry Bourrier, Sylvie Leroy, Hervé Caci
- 
- PA3142 Asthma and attention deficit hyperactivity disorder in childhood: birth cohort study**  
Mohammad Talaei Pashiri (London, United Kingdom), Panagiota Pagoni, Anita Thapar, Evie Stergiakouli, Seif O. Shaheen
- 
- PA3143 The usefulness of Pediatric Asthma Assessment Score.**  
suprawee khiewprom (Chiang Mai, Thailand), Harutai Kamalaporn
- 
- PA3144 Leukocyte subset variations in wheezing preschool children: distinguishing asthma from transient wheeze**  
Moniek van Aarle (Eindhoven, Netherlands), Sophie Kienhorst, Jan Damoiseaux, Begum Sert, Elin Kersten, Michiel Banner, Rijn Jöbssis, Onno Van Schayck, Peter Merkus, Gerard Koppelman, Edward Dompeling
- 
- PA3145 Prevalence of respiratory viruses in paediatric asthma: a systematic review**  
Sachin Ananth (London, United Kingdom), Gioulinta Alimani, Cristina Boccabella, Ekaterina Khaleva, Graham Roberts, Nikolaos Papadopoulos, Chris Kosmidis, Jørgen Vestbo, Effie Papageorgiou, Apostolos Beloukas, Alexander Mathioudakis
- 
- PA3146 The effect of secondhand smoking exposure and IL-17 gene polymorphism on childhood asthma**  
Berrak Oztosun (Istanbul, Turkey), Aysel Kalayci Yigin, Azer Kılıc Baskan, Deniz Ozceker, Haluk Cokugras, Ayse Ayzit Kilinc Sakalli
- 
- PA3147 Use of air purifiers in the home to improve asthma outcomes in children and young people (CYP): pilot study follow-up**  
Karl Holden (Liverpool, United Kingdom), Daniel Hawcutt, Ian Sinha
- 
- PA3148 Self-reported tools to assess indoor environmental quality of asthma patients: A scoping review**  
Prasad Nagakumar (Birmingham (West Midlands), United Kingdom), Dhanusha Punyadasa, Nicola Adderley, Gavin Rudge, Shamil Haroon
- 
- PA3149 Prevalence of asthma phenotypes in different age groups – a prospective study**  
Iva Mihatov Stefanovic (Zagreb, Croatia), Renata Vrsalović
- 
- PA3150 Physical activity in overweight children with asthma**  
Valentina Cvejaska-Cholakovska (Skopje, North Macedonia), Emilija Vlashki, Vesna Velikj Stefanovska

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

**Method(s) :** Pulmonary function testing General respiratory patient care Respiratory intensive care Surgery Public health  
Epidemiology Imaging

**Tag(s) :** Clinical

**Chairs :** Giuseppe Cardillo (Roma (RM), Italy), Elene Khurtsidze (Tbilisi, Georgia)

- PA3151 Chest trauma in a non-intensive care unit department: Management and results**  
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Jaweher Kammoun, Aymen Ben Ayed, Aly Ben Salem, Abdessalem Hentati, Imed Frikha
- 
- PA3152 Penetrating Thoracic Traumas: Clinical Profile and Management Strategies**  
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdessalem Hentati, Imed Frikha
- 
- PA3153 Management of pleural empyema: The impact of RAPID score and surgery**  
Wassim Chaieb (Ariana, Tunisia), amina abdelkbir, Chiraz Albouzid, Ines Moussa, Imen Bouassida, Mahdi Abdennadher, Nizar Fitouhi, Hazem Zribi, Adel Marghli
- 
- PA3154 Treatment of flail chest using a simple and inexpensive costal osteosynthesis technique**  
Emna Benjemia (Tunis, Tunisia), Mohamed Sadok Boudaya, selma madhi, Yosr Ben Attig, Ferial Souissi, Malek Rammeh, Anis Ben Dhaou, Kahena Bouzid, Haifa Zaibi
- 
- PA3155 Surgical Treatment of Hydatid Cyst of the Hepatic Dome via Transdiaphragmatic Approach.**  
Emna Benjemia (Tunis, Tunisia), Mohamed Sadok Boudaya, malak Rammeh, Yosr Ben Attig, Selma Madhi, Ferial Souissi, Anis Ben Dhaou, Mariem Bouchekoua, Emna Ben Jemia, Haifa Zaibi
- 
- PA3156 Major Lung Resections in the Management of Tuberculosis: Indications and Outcomes of Pneumonectomy**  
Wassim Chaieb (Ariana, Tunisia), Aymen Labidi, Amina Abdelkbir, Imen Bouassida, Olfa Sassi, Wifek Saidani, Sarra Zairi, Hazem Zribi
- 
- PA3157 Ruptured liver hydatid cyst into the thorax : surgical management and follow up**  
Wassim Chaieb (Ariana, Tunisia), safa boudabous
- 
- PA3158 (e.g.The role of surgery in chest wall tuberculosis).**  
Wassim Chaieb (Ariana, Tunisia), -Chiraz -Albouzidi, Bouacida Imen, Lasmer Ahmed, Abdelkbir Amina, Abdennadher Mahdi, Rouis Houda, Fitouhi Nizar, Zairi Sarra, Zribi Hazem, Marghli Adel
- 
- PA3159 VIDEO-ASSISTED THORACOSCOPIC SURGERY FOR PLEURAL DECORTICATION IN EMPYEMA**  
Emna Benjemia (Tunis, Tunisia), selma madhi, Mohamed Sadok Boudaya, Yosr Ben Attig, Malak Rammeh, Ferial Souissi, Anis Ben Dhou, Kehna Bouzid, Haifa Zaibi
- 
- PA3160 Assessment of Health-Related Quality of Life using the SF-36 in Patients with Diaphragmatic Paralysis: Effects of the Condition and Responses to Phrenic Nerve Reconstruction.**  
Edward Caruana (Kegworth, United Kingdom), Matthew Kaufman, Jimmy Naipaul, Reza Jarrahy, Thomas Bauer, Jeannine Sico
- 
- PA3161 Place of minimally invasive surgery in the treatment of pulmonary echinococcosis in children**  
Wassim Chaieb (Ariana, Tunisia), wifek SAIDANI, Amina Abdelkebir, Chaieb Wassim, Imen Bouacida, Mahdi Abdennadher, Nizar Fitouhi, Sarra Maazaoui, Hazem Zribi, Adel Marghly
- 
- PA3162 Pulmonary aspergilloma :what for thoracic surgery?**  
Wassim Chaieb (Ariana, Tunisia), safa boudabous
- 
- PA3163 Pseudotumoral pulmonary tuberculosis: surgical experience of a rare entity**  
Wassim Chaieb (Ariana, Tunisia), Wifek Saidani, Imen Bouassida, Mahdi Abdennadher, Chaieb Wassim, Amina Abdelkebir, Hazem Zribi, Sonia Ouerghi, Sabrine Ouhaichi, Sarra Zairi, Adel Marghli
- 
- PA3164 Is there still a place for pneumonectomy in bronchiectasis ?**  
Wassim Chaieb (Ariana, Tunisia), Wifek Saidani, Amina Abdelkebir, Chaieb Wassim, Imen Bouassida, Mahdi Abdennadher, Nizar Fitouhi, Sarra Maazaoui, Hazem Zribi, Adel Marghli
- 
- PA3165 Descending necrotizing mediastinitis due to esophageal perforation**  
Wassim Chaieb (Ariana, Tunisia), Mouna Nasri, Imen Bouassida, Amina Abdelkbir, Hazem Zribi, Houda Rouis, Nizar Fitouhi, Sarra Zairi, Mahdi Abdennadher, Adel Marghli
- 
- PA3166 Management of secondary pleural hydatidosis : a 30-year experience**  
Wassim Chaieb (Ariana, Tunisia), Ahmed Lasmar, Imen Bouassida, Wifek Saidani, Mahdi Abdennadher, Amina Abdelkbir, Nizar Fitouhi, Ines Moussa, Hazem Zribi, Adel Marghli

- PA3167** **Mediastinal Hydatid cyst: a rare entity**  
Wassim Chaieb (Ariana, Tunisia), Hamdi Siwar, Abdelkbir Amina, Lasmer Ahmed, Abdennadher Mahdi, Bouacida Imene, Maazaoui Sarra, Zribi Hazem, Marghli Adel
- PA3168** **Flexible chest wall reconstruction with Gore-tex or dual prolene mesh; a reliable approach**  
Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou
- PA3169** **Navigating Risks: A Retrospective Analysis of Preoperative Spirometry in Urgent Coronary Artery Bypass Grafting for Cardiac Patients**  
Joaquin Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Johanna Pincay, Horacio Matías Castro, Juan Arturo Precerutti, Hernán Javier Benito
- PA3170** **Costo-vertebral hydatid disease : surgical management and post-operative course**  
Wassim Chaieb (Ariana, Tunisia), wifek SAIDANI, Imen Bouacida, Amina Abdelkebir, Chaieb Wassim, Mahdi Abdennadher, Sarra Zairi, Houda Rouis, Rahma Ayadi, Hazem Zribi, Adel Marghli

## PS-2 Session 309 12:30 - 14:00

## Poster session: A world 'snapshot' of pulmonary rehabilitation and other interventions for chronic respiratory disease

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Pulmonary rehabilitation General respiratory patient care Palliative care Public health Pulmonary function testing

Tag(s) : Clinical

Chairs : Shruti Sahasrabudhe (Pune (Maharashtra), India), Talantbek Sooronbaev (Bishkek, Kyrgyzstan)

- PA3171** **Health inequalities: understanding barriers in attending pulmonary rehabilitation**  
Nikki Gardiner (Leicester, United Kingdom), Steven Harvey, Emma Chaplin, Sally Singh
- PA3172** **Pulmonary rehabilitation for patients with COPD in low- and middle-income countries: a systematic review**  
YUE LEI LIM (MELAKA, Malaysia), Soo Chin Chan, Julia Patrick Engkasan
- PA3173** **Implementation of Pulmonary Rehabilitation in Jordan: Perspective of Healthcare Professionals.**  
Adnan Wshah (Alsalt, Jordan), Nisrin Qatarneh, Saad Al-Nassan, Roger Goldstein
- PA3174** **Current status of pulmonary rehabilitation and impact on prognosis in patients with IPF in South Korea**  
Jeewon Lee (Seoul, Republic of Korea), Jung Hyun Nam, Kyung Joo Kim, Chin Kook Rhee, Joon Young Choi, Yong Suk Jo
- PA3175** **Can a web-based Yoga-integrated pulmonary rehabilitation application (app) for COPD be delivered in India?**  
Shruti Sahasrabudhe (Pune (Maharashtra), India), Mark W Orme, Rashmi Padhye, Mahendra Kawedia, Meenakshi Bhakare, Nagesh Dhadge, Mahavir Modi, Zahira Ahmed, Andy Barton, Sundeep Salvi, Sally J Singh
- PA3176** **Feasibility and acceptability of home-based pulmonary rehabilitation for individuals with idiopathic pulmonary fibrosis in Delhi, India**  
Humaira Hanif (Noida, India), Obaidullah Ahmed, James Manifold, Mohd Shibli, Amy Barradell, Zahira Ahmed, Dom Malcolm, Andy Barton, Deepak Talwar, Sally J Singh, Mark W Orme
- PA3177** **The feasibility and acceptability of culturally appropriate pulmonary rehabilitation for Sri Lankan adults with COPD**  
Akila Randika Jayamaha (Colombo, Sri Lanka), Chamilya Perera, Mark W Orme, Ravini S Karunatillake, Amitha Fernando, Andy Barton, Michael Steiner, Jesse A Matheson, Manifold James, Amy Barradell, Thilan Weerasinghe, Maduranga Kumara, Akindra Kariyawasam, Deshani Rishwana, Sachini Deshapriya, Tharanga Premakumara, Dasun Ruwanpathirana, Dulanjalee Wijesena, Suresh Chathuranta, Ruwin Dias, Thamara Amarasekara, Savithri W Wimalasekera, Sally J Singh
- PA3178** **Effectiveness evaluation of the group intervention to improve health and well-being of people after COVID-19 in South Africa**  
Nicole Audrey Glover, Handan Wand, Farzana Sathar, Pride Mokome, Nkululeko Mathabela, Sipokazi Taleni, Salome Charalambous, Andrea Rachow, Olena Ivanova
- PA3179** **Acceptability of community-based pulmonary rehabilitation in an economically deprived area of Jodhpur, India**  
Mahendra Thakor (Jodhpur, India), Vishal Singh, James Manifold, Mark Orme, Pankaj Bhardwaj, Nishant Kumar Chauhan, Amy Barradell, Zahira Ahmed, Yashika Bhati, Jesse Matheson, Andy Barton, Arun Kumar Sharma, Sally Singh
- PA3180** **Digital pulmonary rehabilitation intervention in post COVID-19 recovery at primary care hospital in rural Nepal: Experience from resource-limited setting of LMIC**  
Aishana Joshi (Lalitpur, Nepal), Regan Shakya, Pankaj Pant

- PA3182** **Exploring the Promising Impact of Pulmonary Rehabilitation on Gait, Balance, and Cognitive Function in COPD Patients: A Systematic Review and meta-analysis**  
Mobina Khosravi (Tehran, Islamic Republic of Iran), Mohse Abedi
- PA3183** **Exploring the potential for music to facilitate exercise adherence in pulmonary rehabilitation: a survey study**  
Omar Alhothaly (Leicester, United Kingdom), Linzy Houchen-Wolloff, Emma Chaplin, Sarah Ward, Mark Dunlop, Sally J Singh, Mark W Orme
- PA3184** **Singing for breathing in COPD and ILD patients: longitudinal qualitative interview study**  
Natasha Smallwood (Melbourne (VIC), Australia), Lena Ly, Jennifer Philip, Peter Hudson, Nicole Goh, Vanessa Cserved
- PA3185** **Virtual ethnography of singing for breathing in COPD and ILD patients**  
Natasha Smallwood (Melbourne (VIC), Australia), Lena Ly, Peter Hudson, Nicole Goh, Jennifer Philip
- PA3186** **Effect of respiratory biofeedback on effort dyspnea in COPD patients during pulmonary rehabilitation: a pilot study**  
Giorgio Castellana (Bari (BA), Italy), Gianvito Lagravinese, Serena Tagliente, Maddalena Genco, Gilda Turi, Mattia Nese, Patrizia Guido, Alexandros Ioannis Charitos, Maria Aliani, Mauro Carone, Petronilla Battista
- PA3187** **Pulmonary rehabilitation in patients diagnosed with non-IPF-fibrosing interstitial lung disease receiving antifibrotic therapy**  
Seher Satar (Ankara, Turkey), Mustafa Engin Sahin, Zeynep Yesiloz, Pinar Ergun
- PA3188** **The comparison of moderate-intensity continuous training (MICT) with high-intensity interval training (HIIT) rehabilitation programs in patients with interstitial lung disease (ILD)**  
Arda Kiani (Tehran, Islamic Republic of Iran), Mohsen Abedi, Maryam Sadat Mirenayat, Maryam Koorepazan Moftakhar, Reyhaneh Zahiri, Atefeh Fakharian
- PA3181** **Home-based vs outpatient hospital-based pulmonary rehabilitation in people with chronic obstructive pulmonary disease.**  
Sarah Gephine (Pérenchies, France), Gaelle Terce, Gilles Brulois, Olivier Le Rouzic, Maxime Leroy, Cécile Chenivesse, Jean-Marie Grosbois
- PA3189** **Is pulmonary rehabilitation effective when the patient is provided care by a single healthcare professional: concept of a care manager.**  
Sarah Gephine (Pérenchies, France), Jean-Marie Grosbois, Olivier Le Rouzic, Cécile Chenivesse
- PA3190** **Outcome measures within exercise-based rehabilitation interventions for people with long-term conditions: an analysis based on an overview of systematic reviews**  
James Manifold (Leicester, United Kingdom), Grace Dibben, Lucy Gardiner, Hannah Young, Rod Taylor, Sally J Singh, . Perform Collaborative Group

PS-21

Session 311

12:30 - 14:00

## Poster session: Nursing interventions and outcomes

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

Method(s) : General respiratory patient care Pulmonary rehabilitation

Tag(s) : Clinical

Chairs : Malin Axelsson (Malmö, Sweden), Maria Granados Santiago (Alcaudete, Spain)

- PA3211** **Three (3)-Year Summary of Post COVID-19 Rehabilitation Programme in South West London.**  
Cielito Caneja (Croydon (Surrey), United Kingdom), Kim Nottingham, Amy Grant
- PA3212** **Impact of Respiratory Clinical Nurse Specialist attendance in a General Respiratory Clinic**  
Michelle Angeli Uno (Balbriggan, Ireland), Elaine Hayes
- PA3213** **Nurse led oscillating positive expiratory pressure (OPEP) and the impact on quality of life using the St George's Respiratory Questionnaire (SGRQ)**  
Emma Rickards (St Helens (Merseyside), United Kingdom), Clare Kearney, Eleanor Jones, Michela Zanzi
- PA3214** **A Review and audit of the pulmonary fibrosis nurse led clinic within the UHL hospital group**  
Paula Ryan (Dooradoyle (County Limerick), Ireland), Carmel Mcinerney, Aidan O'Brien
- PA3215** **An educational program for home mechanical ventilation in Amyotrophic Lateral Sclerosis.**  
Federica Riva-Rovedda (Turin, Italy), Alessio Conti, Tiziana Esposito, Giuseppe Tabbia, Paolo Solidoro, Andrea Calvo, Marco Clari, Valerio Dimonte



- PA3216** **The role of the "nurse navigator" in implementing and operating a lung cancer screening consultation for high-risk smokers**  
Sally Santisteve Lostes (Ileida, Spain), Marcela Suárez Bustamante, Anna Vila Fornells, Nuria Forns Pairal, Maria Zuil Moreno, Aida Monge Esquè, Anna Moncusí Moix, Clara Gort Paniello, Marina Asunción Pardina Solano, Virginia Garcia Reglero, Cora Andrea Sampedro Salinas, Mario Montesinos Encalada, Juan Diego Aviles Parra, Natalia Varvará, Carlos Alberto Rombolá, Ferran Barbè Illa, Jessica González Gutiérrez
- PA3217** **Early specialist intervention and reduced hospital admissions - the benefits of the respiratory ANP in unscheduled care**  
Sarah Daly (Roscommon, Ireland), Tara Byrne
- PA3218** **The impact of Nursing Consultation on the management of inhalation therapy**  
Lucía Méndez González (Santa Maria da Feira, Portugal), Cristina Leite, Catia Caneiras, Jorge Ferreira
- PA3219** **Training healthcare professionals (HCP) in self-administration of intravenous medication (SA-IVM): Alpha-1-Antitrypsin (AAT) in Portugal**  
Lucía Méndez González (Santa Maria da Feira, Portugal), Alexandra Carvalho, Conceição Rodrigues, Isabel Matos
- PA3220** **Care of Adult Patients with Uncontrolled Severe Asthma Receiving Biologics**  
Shu Wah Ng (Hong Kong, Hong Kong), Pui Fan Chan, Wai Yi Tsang, Chun Lung Lee, Si En Chan, Miranda Tsui, Suet Lai Cheng, Pik Shan Cheung
- PA3221** **THE ROLE OF THE REHABILITATION NURSE IN EMPOWERING PEOPLE WITH ASTHMA**  
Liliana Silva (Matosinhos, Portugal), Andreia Patrícia Oliveira Santos
- PA3222** **EFFECTIVENESS OF 4-WEEK REHABNURSING ASTHMA CONSULTATION ON ASTHMA CONTROL AND QUALITY OF LIFE**  
Liliana Silva (Matosinhos, Portugal), Andreia Patrícia Oliveira Santos
- PA3223** **Chronic Respiratory Patient Programme – An integrated model of care**  
Liliana Silva (Matosinhos, Portugal), Ângela Mota, Lara Lemos, Mariana Santos, Hélder Cunha
- PA3224** **Understanding Adherence in Pulmonary Rehabilitation: A Multi-Group Analysis**  
Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Ângela Mota, Lara Lemos, Mariana Santos, Hélder Cunha, Inês Azevedo, Patrício Costa, José Miguel Padilha
- PA3225** **Patients with advanced COPD struggle to access the necessary support to manage daily life in a strained healthcare system**  
Marie Lavesen (Fredensborg, Denmark), Marie Albrechtsen Paine, Dorthe Gaby Bove
- PA3226** **Relationship between respiratory exacerbations in patients with Chronic Obstructive Pulmonary Disease (COPD), Asthma and Bronchiectasis and Alpha-1-Antitrypsin Deficiency (AATD) in hospitalized patients.**  
Laura Ferran Valls (Barcelona, Spain), M Pilar Muñoz Claver, Ester Sánchez Guerra, Pau Marrades Segura, Sara Sorolla Matas, Miriam Arabí Forcada, Pau Belver Colomer, Lidia López Escuredo, Jacobo Sellarés Torres, Xavier Alsina-Restoy, Rodrigo Torres Castro, Rosanel Amaro Rodríguez
- PA3227** **Short-term functionality is related to clinical severity in patients with pulmonary embolism**  
Laura Lopez Lopez (Granada, Spain), Ana Belén Gámiz Molina, Eva Rubio Calvo, Mauricio Xavier Guillen Alvarado, Pilar García González, Marie Carmen Valenza
- PA3228** **Exploring the motivation and needs of sleep apnea patients: Insights from focus group interviews**  
Marian Petersen (Koege, Denmark), Camilla Andersen, Dorthe Bove, Anders Broström, Thora Skodshøj Thomsen
- PA3229** **The effectiveness of respiratory training in idiopathic pulmonary fibrosis: a exercise capacity meta-analysis**  
Alejandro Heredia Ciuró (Granada, Spain), Javier Martín Núñez, Julia Raya Benítez, Geraldine Valenza Peña, Alejandro Heredia Ciurí, Alba Navas Otero, Marie Carmen Valenza
- PA3230** **Motivation and preferences for learning of patients with COPD or asthma and their significant others in pulmonary rehabilitation: a qualitative study**  
Anouk Muijsenberg (Horn, Netherlands), Sarah Haesevoets, Sarah Houben-Wilke, Jan Tatousek, Joyca Lacroix, Martijn Spruit, Daisy Janssen

PS-22

Session 312

12:30 - 14:00

Poster session: Advances in behavioural science in chronic respiratory disease management

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

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

Tag(s) : Clinical

Chairs : Eleonora Volpato (Milano (MI), Italy), Ingeborg Farver-Vestergaard (Vejle, Denmark)

PA3231	<p><b>Health-related quality of life (HRQoL) in depression defined by clinicians and patients in severe asthma. Data from SHARP CRC</b> Joseph Lanario (Plymouth (Devon), United Kingdom), Lianne Ten Have, Fleur. L Meulmeester, Dawn Redwood, Tania Wainwright, Jo Tilley, Anne Mcahey, Simon Doe, Kathleen Bayani, Sanja Hromiš, Sabina Skrgat, Mariana Paula-Rezelj, Peter Kopač, Ana Žaže Bertoncel, Anneke Ten Brinke, Kristina Biekšienė, Jolita Palacionyte, Valentyna Yasinska, Barbro Dahlen, Oksana Tenzelius, Cláudia Chaves Loureiro, Maria Gonçalves Cunh, Pedro Nogueira, Inês Farinha, Dominique Hamerlijck, Michael Hyland, Jacob Sont, Matthew Masoli</p>
PA3232	<p><b>Co-creating information on the use of smartwatches to support COPD self-management</b> Agnieszka Lewko (Coventry, United Kingdom), Laura Wilde, Nikki Holliday</p>
PA3233	<p><b>Impact of illness perceptions on continuous positive airway pressure (CPAP) adherence and couple relationship quality in obstructive sleep apnea (OSA): a cross-sectional study</b> Valentina Poletti (Milan, Italy), Elvia Battaglia, Paolo Banfi, Eleonora Volpato</p>
PA3234	<p><b>The association between behavioral clusters and short-term PAP usage in OSA</b> Leanne Kaye (San Diego, United States), Vy Vuong, Adam Benjafield, Priyanshu Gupta, Meredith Barrett</p>
PA3235	<p><b>Patients' experiences of managing COPD-related anxiety in pulmonary rehabilitation</b> Camilla Fischer Christiansen (Børkop, Denmark), Anders Løkke, Sune Jonstrup, Eva Holmegaard Buksted, Dorthe Sørensen, Henrik Hansen, Ingeborg Farver-Vestergaard</p>
PA3236	<p><b>A pilot study into the feasibility and impact of virtual group cognitive behavioural therapy in severe asthma patients</b> CHANG LU (London, United Kingdom), Ella Campbell, Victoria Singh</p>
PA3237	<p><b>Gender differences among the dimensions of MOCA over time in COVID-19 Survivors.</b> Celemi Vigil-Lopez (Mexico City, Mexico), Karen Sanchez, Viridiana Pélaez, Arturo Orea, Sandra Enríquez, Michelle Aboyte, Frida Uribe, Celemi Vigil, Tomas Peña</p>
PA3238	<p><b>Impact of the Alfacare patient support programme on quality of life in patients with Alpha-1 Antitrypsin deficiency</b> SILVINA CANCIO (madrid, Spain), Hernan Cancio, Elisabet Ferrer, David Gomez</p>
PA3239	<p><b>Translation and cross-cultural adaptation of the Breathing Vigilance Questionnaire (Breathe-VQ) into Danish</b> Karen Hjerrild Andreasson (Næstved, Denmark), Mette Kaasgaard, Ingeborg Farver-Vestergaard, Elmar Kal, Adam Lewis</p>
PA3240	<p><b>Financial incentives to improve medication adherence for children and young people with asthma.</b> Jasmine Hine (London, United Kingdom), Andy Bush, Gaby Judah, Anna Desimoni, Chris Griffiths, Louise Fleming</p>
PA3241	<p><b>Maternal mental health disorders one year before and three years after childbirth are associated with offspring school-age asthma: Finnish register study</b> Minna Lukkarinen (Turku, Finland), Eetu Kanerva, Marika Leppänen, Bernd Pape, Päivi Rautava, Max Karukivi</p>
PA3242	<p><b>Associations between self-conscious emotions and need for self-management support in people with COPD</b> Sara Lundell (Umea, Sweden), Anna-Britt Coe, Senada Hajdarevic, Anders Blomberg, André Nyberg</p>
PA3243	<p><b>Impact of Covid 19 epidemic on mental health of frontline healthcare workers in Tertiary care hospitals in North India</b> Nandani Gulati (Delhi (National Capital Territory of Delhi), India), Prashant Saxena, Mriganka Juneja</p>
PA3244	<p><b>Psychometric properties of the PROMIS® measures in a pediatric asthma population in the Netherlands</b> Marieke Verkleij (Amsterdam, Netherlands), Niels Rutjes, Bart Van Ewijk, Lotte Haverman, Suzanne Terheggen-Lagro, Maud Van Muilekom</p>
PA3245	<p><b>The differing experiences of people living with COPD during the Covid-19 pandemic: an interview study</b> Ann Hutchinson (Hull (North Humberside), United Kingdom), Richard Russell, Helena Cummings, Omar Usmain, Sarah Macfadyen, Judith Cohen, Tamsin Morris, Hana Mullerova, Yang Xu, Gary Hellens, Kay Roy, Michael Crooks</p>
PA3246	<p><b>Seizing the Moment: Patients with COPD view Hospitalization as the Optimal Timing for Smoking Cessation Support</b> Louise Muxoll Gronhaug (Vejle, Denmark), Malou Cataquis Kristensen, Ingeborg Farver-Vestergaard, Anders Løkke Ottesen, Jannie Christina Frølund</p>
PA3247	<p><b>Beliefs about Covid-19 and the Covid-19 vaccine in Saudi Arabia: a cross-sectional cohort study</b> Nouf Almeshal (London, United Kingdom), Holly Foot, Amy Chan, Rob Horne</p>
PA3248	<p><b>Evaluation of effectiveness of psychological therapy in improving psychological and clinical parameters in severe asthma with co-morbid psychology.</b> Adel Mansur (Birmingham (West Midlands), United Kingdom), Hanan hussein, Nadia Qazi, Jessica Matthews, Julie Marsh, Ali Bahron, Lisa White, Julie Sullivan, Anilkumar Pillai</p>

- PA3249** **Late Breaking Abstract - Impact of shared decision making on medication adherence in patients with chronic lung diseases: a systematic review**  
Maria Achterbosch (Groningen, Netherlands), Carina Hansen, Paul Brandt, Liset Van Dijk, Job Van Boven

PS-23

Session 313

12:30 - 14:00

**Poster session: Non-tuberculous mycobacteria diagnostics and treatment updates****Disease(s) :** **Airway diseases****Method(s) :** Epidemiology Cell and molecular biology General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology**Tag(s) :** Clinical**Chairs :** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

- PA3250** **Immunologic signatures of nontuberculous mycobacterial pulmonary disease**  
Nakwon Kwak (Seoul, Republic of Korea), Jaemoon Koh

- PA3251** **Exploratory BALF analyses reveal a high diversity of microbiome in NTM lung disease and a low diversity of microbiome in bronchiectasis**  
Kohei Fujita (Kyoto, Japan), Yuki Yamamoto, Masahiro Kamita, Kosei Tanaka, Takeru Nakabayashi, Takuma Imakita, Issei Oi, Osamu Kanai, Tadashi Mio, Kiminobu Tanizawa, Yutaka Ito

- PA3252** **Non- Tuberculous mycobacterial infection and pulmonary disease rates: a focus on *M. simiae***  
Luai Khalaili (Haifa, Israel), Razi Evan-Dar, Idit Raz, Maya Brodsky, Nili Stein, Yochai Adir, Walid Saliba, Shifra Kendor, Raya Cohen, Michal Shteinberg

- PA3253** **Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis**  
Ildikó Horváth (Budakeszi, Hungary), Zoltán Örlös, Lilla Katalin Lőrinczi, Balázs Antus, Imre Barta, Zsuzsanna Miklós

- PA3254** **Nontuberculous mycobacteria from bronchial lavage fluid in bronchiectasis patients: A study from tuberculosis-endemic country**  
Lam Nguyen Ho (Hồ Chí Minh, Vietnam), Ngoc Tran-Van, Vu Le-Thuong, Tuyet-Lan Le-Thi, Huong Pham-Thien, Van Pham-Hung

- PA3255** **Evaluation of Scnn1b-Tg mice as murine model of pulmonary infection with *Mycobacterium avium* Complex**  
Julia Delomez (Neuville, France), Antoine Froment, Teddy Grandjean, Francois Peltier, Marie Perret, Jean-Philippe Lanoix, Philippe Gosset

- PA3256** **Observational study on the use of subcutaneous recombinant IFN- $\gamma$  as adjunctive personalized treatment for patients with life-threatening non-tuberculous mycobacteriosis**  
Paola Confalonieri (Trieste, Italy), Serena Maiocchi, Francesco Salton, Barbara Ruaro, Maria Concetta Volpe, Luca Braga, Marco Confalonieri

- PA3257** **The important role of perforin against *Mycobacterium avium* infection in mice**  
Masaki Fujita (Fukuoka, Japan), Takato Ikeda, Yuki Sundo, Takemasa Matsumoto

- PA3258** **Mental health and nontuberculous mycobacteria infections: a single center retrospective study in Milan**  
Vittoria Moscatt (Catania, Italy), Giovanni Fumagalli, Grete Francesca Privitera, Alice Claudia Repossi, Maura Spotti, Bruno Santi Cacopardo, Stefano Aliberti, Maurizio Ferrarese, Luigi Ruffo Codecasa

- PA3259** **Lower respiratory tract microbiome in patients with clinically suspected nontuberculous mycobacterial pulmonary disease to the presence of microaspiration**  
Yong-Soo Kwon, Chan Woo Park, Eun Jeong Won

- PA3260** **Comparison of the sputum microbiome between stable nontuberculous mycobacteria pulmonary disease patient and those requiring antibiotic treatment**  
minjong song (Seoul, Republic of Korea), Noeul Kang, Su-Young Kim, Dae Hun Kim, Byung Woo Jhun

- PA3261** **<sup>18</sup>F-Fluorodeoxyglucose positron emission tomography/computed tomography for assessing treatment response of nontuberculous mycobacterial pulmonary disease**  
Yeonseok Choi (Seoul, Republic of Korea), Joon Young Choi, Byung Woo Jhun

- PA3262** **Clinical characteristics and treatment outcomes of patients with nontuberculous mycobacterial pulmonary disease in South Gyeongsang Province: A single centre experience**  
Seong Mi Moon (Seoul, Republic of Korea), Hyun Kyu Cho, Jae Wan Jung, Beomsu Shin, Hyesung Ock, Hyo-In Rhyou

- PA3263** **Title: Adverse events in patients treated for Non-tuberculous mycobacteria pulmonary disease: a retrospective observational cohort study**  
Maria Angela Vittoria Anna Chiara Licata (Rome, Italy), Serena Maria Carli, Gina Gualano, Paola Mencarini, Carlotta Cerva, Silvia Mosti, Annelisa Mastrobattista, Pietro Vittozzi, Raffaella Libertone, Virginia Di Bari, Alberto Zolezzi, Carla Fontana, Antonio Mazzei, Carla Nisii, Fabrizio Palmieri
- PA3264** **Correlation between culture conversion and Quality of Life-Bronchiectasis Respiratory Domain (QOL-B RD) in adults with Mycobacterium avium complex lung disease (MACLD): The ARISE Study**  
Marie-Laure Nevoret (Virginia beach, United States), Charles Daley, James D Chalmers, Korkut Avsar, Dario Andrisani, Luigi Ruffo Codecasa, Kevin Mange, Dayton W Yuen, Monika Ciesielska, Mariam Hassan
- PA3265** **Validation of soluble programmed death-1 in predicting progression of nodular-bronchiectatic form of nontuberculous mycobacterial lung disease: a Multi-Country Research**  
Chin-Chung Shu (Taipei, Taiwan), Sheng-Wei Pan, Kozo Morimoto, Jae-Joon Yim
- PA3266** **Frequency and relevance of nontuberculous mycobacterial isolates in patients with COPD exacerbations**  
Ena Tolic (Zagreb, Croatia), Dora Darapi Marusic, Matea Skoro, Lorna Corak, Stjepan Smiljanic, Goran Glodic, Tea Lovric Dotlic, Andreja Mocan, Sonja Badovinac, Ivana Marekovic, Mateja Jankovic Makek
- PA3267** **The role of a specialist NTM nurse in a UK NTM centre**  
Nicola Smallcombe (London, United Kingdom), Akanksha Malhotra, Catherine Heckman, Prasheena Naran, Alasdair Frater, Stephen Joseph, Heinke Kunst
- PA3268** **The effect of utilization of intravenous antibiotic for Mycobacterium abscessus on outcome of treatment**  
Parvaneh Baghaei Shiva (Tehran, Islamic Republic of Iran), Majid Marjani, Afshin Moniri, Zahra Abtahian, Payam Tabarsi

PS-24

Session 314

12:30 - 14:00

## Poster session: Atypical and complex respiratory infections

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

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

Tag(s) : Clinical, Translational

Chairs : Miriana d'Alessandro (Siena, Italy), Patricio Escalante (Rochester, United States)

- PA3270** **Airway epithelial gene expression unveils the pathogenesis of Mycobacterium avium complex lung disease**  
Koji Furuuchi (Kiyose, Tokyo, Japan), Minako Hijikata, Shintaro Seto, Akiko Miyabayashi, Keiko Wakabayashi, Takayuki Nakagawa, Tsutomu Yoshida, Kiyomi Shimoda, Miyako Hiramatsu, Yuji Shiraishi, Kozo Morimoto, Naoto Keicho
- PA3271** **Efficacy of sulfamethoxazole metal complexes against resistant strains of mycobacterium tuberculosis: design, synthesis, characterization, and docking studies**  
Arzoo Akbar (Karachi, Pakistan), Somia Gul, Mahwish Akhtar
- PA3272** **Nocardia spp. isolation in chronic lung diseases: pulmonary nocardiosis versus colonization - a comparative analysis**  
Mariana Cascais (Porto, Portugal), Catarina Sousa, Mariana Serino, Margarida Redondo, Teresa Carvalho, Manuela Ribeiro, Angélica Ramos, Adelina Amorim
- PA3273** **Analysis of pulmonary metabolomic homeostasis in pneumocystis pneumonia**  
Wenjie Bian (Beijing, China), Wenyi Yu, Yukun He, Xinqian Ma, Zhancheng Ga
- PA3274** **Risk factors for COVID-19 associated pulmonary aspergillosis and outcomes in a respiratory sub-intensive care unit**  
ALESSANDRA IACOVELLI (Roma, Italy), Alessandra Oliva, Flavio Marco Mirabelli, Silvia Giannone, Marianna Laguardia, Matteo Morviducci, Maria Luisa Nicolardi, Emma Repaci, Maria Teresa Sanzari, Cristiana Leanza, Giammarco Raponi, Claudio Mastroianni, Paolo Palange
- PA3275** **Immunological Mechanisms of CD4+T Lymphocyte Exhaustion in Disseminated Cryptococcal Infection**  
Zhengtuo Li (Guangzhou, China), Yongming Li, Feng Ye
- PA3276** **Bronchiectasis and Aspergillus: a complex relationship single centre analysis**  
Francesco Bertuccio (Pavia, Italy), Nicola Baio, Simone Montini, Vittorio Chino, Valentina Ferroni, Lucrezia Pisanu, Marianna Russo, Ilaria Giana, Federica Albicini, Amelia Grosso, Erica Gini, Valentina Conio, Alessandro Cascina, Giulia Accordino, Angelo Guido Corsico
- PA3277** **Prevalence of chronic pulmonary aspergillosis misdiagnosed as microbiologically negative pulmonary tuberculosis**  
Kshitij Agarwal (New Delhi (Delhi), India), Praveen Kumar Singh, Gargi Rai, Jaya Malik, Shukla Das
- PA3278** **Hydatid disease: Knowledge of paramedics**  
Olfa Ben Moussa (Tunis, Tunisia), Yassine Foudhaili, Naziha Jilail, Neila Maaroufi, Aouadi Samira

- PA3279 Pleural Tuberculosis: Characteristics and Management**  
Wassim Chaieb (Ariana, Tunisia), safaa boudabbous
- 
- PA3269 Antigen-specific HLA-DR activation marker on functional T-cells associated with progressive non-tuberculous mycobacterial lung disease (NTM-LD)**  
Patricio Escalante (Rochester, United States), Balaji Pathakumari, Pedro Arias-Sanchez, Snigdha Karnakoti, Kale Daniel, Virginia Van Keulen, Mounika Reddy Vadiyala, Paige Marty, Tobias Peikert
- 
- PA3280 Genetic support of the causal relationship between COVID-19 and aspergillosis: A two-sample mendelian randomization study**  
Yanmei Feng (Chongqing, China), Rui Guo
- 
- PA3281 Clinical presentation, risk factors and outcomes in chronic pulmonary aspergillosis: evidences from a tertiary care hospital**  
Oxana Munteanu (Chişinău (Chişinău), Republic of Moldova), Doina Rusu, Aliona David, Victor Botnaru
- 
- PA3282 A retrospective study of incidence of COVID-19 associated pulmonary aspergillosis who are admitted to different department**  
Yuping Li (WenZhou (ZheJiang), China), Lijing Xia, Pengcheng Lin, Shanshan Su, Ying Zhou
- 
- PA3283 Clinical factors in Chronic Pulmonary Aspergillosis and its mortality – retrospective analysis of 5 years of a single center**  
Nuno Manuel Barbosa De Barros Ferreira (Paredes, Portugal), Ana Castelo Grande, Marvin Oliveira, Cláudia Sofia Pinto, Ana Cláudia Pimenta, Francisco Cadarso
- 
- PA3284 Pulmonary microbiology in adults with non-cystic fibrosis bronchiectasis: A systematic review and meta-analysis**  
Yuanyuan Wang (Stockholm, Sweden), Jingmin Xiao, Xiaolin Yang, Yanmin Liu, Juan Du, Apostolos Bossios, Xi Zhang, Guobin Su, Lei Wu, Zhongde Zhang, Cecilia Stålsby Lundborg
- 
- PA3285 A validation study of BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill patients using post-mortem minimally invasive tissue sampling**  
Animesh Ray (new delhi, India), Anuj Ajaybabu, Deepali Jain, Gagandeep Singh, Immaculata Xess, Naveet Wig
- 
- PA3286 Evaluating BAL galactomannan in aspergillus lung infections: A Prospective Observational Study"**  
Shyam Krishnan (Kolkata (West Bengal), India), Sourav Chakraborty, Shubham Sharma, Beauty Biswas, Raja Dhar
- 
- PA3287 Clinical practice regarding Pneumocystis pneumonia in Japan: A nationwide web-based survey by the Japanese Respiratory Society**  
Sadatomo Tasaka (Hirososaki, Japan), Kei Nakashima, Tetsutaro Nagaoka, Yuka Sasaki
- 
- PA3288 Geographic variation in environmental Aspergillus and clinical outcomes in COPD**  
Pei Yee Tiew (Singapore, Singapore), Janice M Leung, Micheal Mac Aogain, Tavleen Kaur Jaggi, Xaverius Ivan Fransiskus, Augustine Tee, Albert Yick Hou Lim, Mariko Siyue Koh, John Abisheganaden, Stephen C Schuster, Christopher Carlsten, Sanjay H Chotirmall

PS-25

Session 315

12:30 - 14:00

Poster session: Advances in respiratory infection epidemiology: knowledge at the population scale

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

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

Tag(s) : Clinical

Chairs : Natalia El-Merhie (Giessen, Germany), Sabine Stadler (Lausanne, Switzerland)

- PA3289 The association between time-weighted remnant cholesterol and respiratory-related mortality: A population-based cohort study**  
Gary Tse (Homantin, China), Lifang Li, Vanessa Chou, Oscar Chou, Sakshi Roy, Jeffrey Chan, Jack Wong, Tong Liu, Gregory Lip, Bernard Cheung, Jiandong Zhou
- 
- PA3290 Health-care resource utilisation and cost one year after hospitalisation among patients hospitalised with viral lower respiratory tract disease: A descriptive US claims analysis**  
Ekaterina Maslova (Reading, United Kingdom), Fageras Malin, Nadir Yehya, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Joanne Mcpeake
- 
- PA3291 Health-care resource use and cost one year after hospitalisation among patients admitted with viral lower respiratory tract disease by viral aetiology: A descriptive US claims analysis**  
Susan Johnson (Risby, United Kingdom), Ekaterina Maslova, Malin Fageras, Nadir Yehya, Gopal Dalal, Hashmath Ulla Syed, Joanne Mcpeake



- PA3292 Trends in Triazole Therapy and Mortality Rates Among Hospitalized Chronic Pulmonary Aspergillosis Patients: A Nationwide Observational Study in France**  
Thomas Maitre (Paris, France), Jonathan Cottenet, Cendrine Godet, Philippe Bonniaud, Catherine Quantin, Jacques Cadranet
- PA3293 Geographical differences in the airway microbiota of COPD patients across the UK**  
Hollian Richardson (Dundee, United Kingdom), Ellie Kewin, Daniela Alferes De Lima Headley, Chandani Hennayake, Alison J Dicker, James D Chalmers
- PA3294 RSV-associated clinical outcomes: A decade of insight from 52 million people across Europe**  
Katia Mc Verhamme (Rotterdam, Netherlands), Johnmary T. Arinze, Miguel Mayer, Guillaume Verdy, Maarten Van Kessel, Juan-Manuel Ramírez-Anguita, Angela Leis, Marek Oja, Raivo Kolde, Antonella Delmestri, Hezekiah Omulo, Laura Pérez-Crespo, James Brash, Dina Vojinovic, Hanne Ballegooijen, Sarah Seager, Talita Duarte-Salles
- PA3295 Nonalcoholic Fatty Liver Disease Increases the Risk of Lung Abscess: Findings from a Nationwide Cohort Study**  
Eunso Lee (Sejong, Republic of Korea), Sung Yong Yoon, Jungok Kim
- PA3296 Risk factors for community-acquired pneumonia in older adults after the introduction of childhood 13-valent pneumococcal conjugate vaccine: A multi-center case-control study in Japan**  
Naoki Inoshima (Kamogawa-shi, Japan), Kei Nakashima, Kanzo Suzuki, Kyoko Kondo, Satoko Ohfuji, Wakaba Fukushima, Yoshio Hirota
- PA3297 Evolution of *S. pneumoniae* serotype distribution in adults with CAP in Switzerland**  
Samuel Etienne (Basel, Switzerland), Werner Albrich, Mathias Pletz, Marcus Panning, Vivian Suarez Domenech, Frank Eberhardt, Grit Barten-Neiner, Daiana Stolz
- PA3298 Respiratory infections in patients receiving Immune Checkpoint Inhibitors using the World Health Organization pharmacovigilance database - VigiBase**  
Thomas Maitre (Paris, France), Virginie Ferry, Kevin Bihan, Anthony Canellas, Cendrine Godet, Jacques Cadranet
- PA3299 Seasonality of respiratory viruses and viral co-infection across two winter seasons in the UK.**  
Martha Purcell (Southampton, United Kingdom), Tommaso Morelli, Olivia Cox, Paul Lee, Kerensa Thorne, Charlie A K Roberts, Angelica Cazaly, William Herbert, Emma Tilt, Emma Knox, Alexander Allen, Jacqueline Nuttall, Monika Gil, Matthew Pavitt, James Myerson, Stefan Marciniak, Neil Greening, Michael Crooks, Salman Siddiqui, Cyrus Daneshvar, Tristan Clark, Anna Freeman, Tom Wilkinson
- PA3300 Epidemiology, burden and clinical course in RSV-infected older adults in the outpatient setting in Germany**  
Christopher Alexander Hinze (Hannover, Germany), Grit Barten-Neiner, Frank Eberhardt, Laura Grebe, Rachel Reeves, Pavo Marijic, Paul Schmidt, Manuela Stierl, Alen Marijam, Marcus Panning, Roland Diel, Gernot Rohde
- PA3301 Rhinovirus (RhV) infection in hospitalised adults**  
Tommaso Morelli (Southampton, United Kingdom), Martha Purcell, Olivia Cox, Paul Lee, Charles Roberts, Kerensa Thorne, Emma Tilt, William Herbert, Alexander Allen, Jacqueline Nuttall, Michael Crooks, Neil Greening, Salman Siddiqui, Stefan Marciniak, Cyrus Daneshvar, Monika Gil, Matthew Pavitt, James Myerson, Anna Freeman, Tristan Clark, Tom Wilkinson
- PA3302 The frequency of respiratory diagnoses was significantly higher for cases than for controls before the pandemic, a case-control study of all adults in Region Stockholm with a registered PASC diagnosis.**  
Pia Lindberg (Tyresö, Sweden), Gunnar Ljunggren, Seika Lee, Axel C. Carlsson, Åsa Wheelock
- PA3303 Clinical characteristics of patients one year after hospitalisation for viral lower respiratory tract disease by viral aetiology: A descriptive US claims analysis**  
Malin Fageras (Molndal, Sweden), Ekaterina Maslova, Joanne Mcpeake, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Nadir Yehya
- PA3304 Is each flu season always the same?**  
Aycan Yüksel (Ankara, Turkey), Dorina Esendağlı, Tuğba Yanık Yalçın, Özlem Kurt Azap, Gaye Ulubay
- PA3305 Impact of respiratory syncytial virus (RSV) disease on the quality of life (QoL) of older adults in Europe**  
Desmond Curran (Wavre, Belgium), Theo Last, Rosa Prato, Marek Mital, Silvia Narejos Pérez, Georg-Eike Böhme, Paul Torres Gutiérrez, Charles Bundy, Susannah Eyre, Philip Joosten, Shubhangi Gawade, Sean Matthews, Eliazar Sabater Cabrera, Daniel Molnar
- PA3306 Severe COVID-19: how are these patients today**  
Sara Andreia Góis Morgado (Esposende, Portugal), Margarida V. Matias, Eva Brysch, Ana Alves Santos, João Torres, Marta Rebelo, Eduarda Carmo, Fernando Nogueira
- PA3307 Smoking and COVID 19 infection: What impact?**  
Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub Fehri

**PA3308 Predictors, patterns and outcomes of Human Metapneumovirus in a hospitalized cohort.**  
Maraed Rosa (Melbourne, Australia), Benjamin Leaver, Justin Tu, Megan Rees

PS-26

Session 316

12:30 - 14:00

**Poster session: Bronchiectasis across the life course**

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

**Method(s) :** General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Epidemiology Cell and molecular biology

**Tag(s) :** Clinical

**Chairs :** Amelia Shoemark (Dundee (Angus), United Kingdom), Gimano Amatngalim (Utrecht, Netherlands)

**PA3309 Risk Stratification in Paediatric Primary Ciliary Dyskinesia (PCD)**  
Anne Armitage (Leicester, United Kingdom), Svetlana Dubkova, Julie Simpson, Rajinder Kang, Natalie Lemming, Hannah Harding, Priti Kenia, Deepa Patel

**PA3310 RhDNase improves quality of life and reduces exacerbations in primary ciliary dyskinesia**  
Moshe Heching (Raanana, Israel), Liora Slomiansky, Joel Weinberg, Mordechai R Kramer

**PA3311 Exhaled breath analysis in cystic fibrosis to detect Staphylococcus Aureus in the lungs.**  
David Mager (Amsterdam, Netherlands), Paul Brinkman, Badies Manaï, Marleen Bakker, Lieke Kamphuis, Tjeerd Van Der Veer, Eralin Van Horssen, Yasin Demir, Lisa Slimmen, Eric Haarman, Anke-Hilse Maitland-van Der Zee, Hettie Janssens

**PA3312 Temperature modifies ciliary beating in healthy subjects, but also in PCD and non-PCD patients**  
Noemie Bricmont (Liège, Belgium), Romane Bonhiver, Lionel Benchimol, Olivier Hougrand, Julie Harvengt, Elisa Docampo Martinez, Adeline Jacquinet, Clara Pauly, Ammar El Kheir, Françoise Guissard, Catherine Moermans, Doriane Calmés, Anne-Lise Poirrier, Renaud Louis, Céline Kempeneers

**PA3313 Long-term lung function and Pseudomonas aeruginosa in genotyped primary ciliary dyskinesia**  
Mathias G. Holgersen (Copenhagen, Denmark), June Kehlet Marthin, Johanna Raidt, Tavs Qvist, Helle Krogh Johansen, Heymut Omran, Kim Gjerum Nielsen

**PA3314 Percentage Ciliation in Bronchiectasis Patient Upper and Lower Airways**  
Erin Cant (Dundee, United Kingdom), Morven Shuttleworth, Emma Johnson, Thomas Pembridge, Lucy Bidgood, Holly Lind, Megan L Crichton, Kateryna Viligorska, David W Connell, Helen Liddicoat, Merete Long, Adam Platt, Maria Belvisi, Kristoffer Ostridge, James D Chalmers, Amelia Shoemark

**PA3315 Variability of lung function tests in primary ciliary dyskinesia**  
Felix Ratjen (Toronto (ON), Canada), Dvir Gatt, Michelle Shaw, Fiona Kritzinger, Melinda Solomon, Sharon Dell

**PA3316 Evaluation of Bronchiectasis in Children**  
Handan Kekeç (turkey, Turkey), Yasemin Duman, Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Merve Yazol, Öznur Leman Boyunağa, Volkan Medeni

**PA3317 Predictors of a delayed heart rate recovery after the 6-min walk test in people with bronchiectasis**  
Beatriz Herrero Cortina (Zaragoza, Spain), Juan Antonio Saez-Perez, Ane Arbillaga-Etxarri, Victoria Alcaraz-Serrano, Elena Gimeno-Santos, Yasmina Hamam-Alcober, Antoni Torres

**PA3318 Intermittent Positive Pressure Breathing devices reduce exacerbations in non-cystic fibrosis bronchiectasis patients**  
Céline Galor (Reims, France), Aude Pellissier, Pierre Labeix, Simon Pointel, Alexandre Diaz, Marios E. Froudarakis

**PA3319 Infection with P. aeruginosa and H. influenzae in relation to QoL and symptoms in bronchiectasis patients requiring intravenous antibiotics; data from a European Bronchiectasis Registry (EMBARC) center.**  
Pia Ghosh (Stockholm, Sweden), Nimo Osman, Malin Sande, Nikolaos Lazarinis, James D Chalmers, Anders Linden, Apostolos Bossios

**PA3320 Questionnaire Survey on Use of Home Nebulized Antibiotics in Patients with Bronchiectasis (QUONAB)**  
Raja Dhar (Kolkata (West Bengal), India), Inder Paul Sehgal, Arup Halder, Ritesh Agarwal

**PA3321 Key components of an exacerbation recovery programme for people with bronchiectasis: patient and staff opinions and preferences**  
Jennifer Kilduff (London, Ireland), Anand Shah, Claire Nolan, Janet Stowell, William Man, Ruth Barker

**PA3322 Non-cystic fibrosis bronchiectasis (NCFB) in Croatia: data from the European multicenter bronchiectasis audit and research collaboration (EMBARC) registry**  
Lorna Radman (Velika gorica, Croatia), Goran Glodić, Marko Banić, Fedja Džubur, Ana Hećimović, Dina Rnjak, Sanja Popović-Grle, Miroslav Samaržija, Andrea Vukić Dugac, Mateja Janković Makek

- PA3323** **Role of Tumour necrosis factor alpha in assessment of severity of Bronchiectasis**  
Santhiya Ramachandran (Puducherry, India), Antonious Selvam, Yuvarajan Sivagnaname
- 
- PA3324** **Factors associated with frequent exacerbator's phenotype in non-cystic fibrosis bronchiectasis: a retrospective single centre analysis**  
Vittorio Chino (Pavia, Italy), Valentina Conio, Lucrezia Pisanu, Francesco Rocco Bertuccio, Simone Montini, Nicola Baio, Valentina Ferroni, Ilaria Giana, Marianna Russo, Alessandro Cascina, Giulia Accordini, Virginia Valeria Ferretti, Angelo Guido Corsico
- 
- PA3325** **Effectiveness of airway clearance techniques in non-cystic fibrosis bronchiectasis management in a real world setting**  
Michela Salvemini (Foggia, Italy), Pasquale Tondo, Donato Lacedonia, Maria Rosaria De Carlo, Ernesto Giuffreda, Giulio Giganti, Dalila Pescatore, Maria Pia Claudia Varlese, Federica Roma, Luigi Paladini, Maria Pia Foschino Barbaro, Giulia Scioscia
- 
- PA3326** **Gender-related diagnostic delay in bronchiectasis**  
Mariangela Valentina Puci (Sassari, Italy), Giovanni Sotgiu, Carlo Chessari, Edoardo Simonetta, Francesco Amati, Mattia Nigro, Anna Stainer, Andrea Gramegna, Francesco Blasi, Letizia Corinna Morlacchi, Agata Alba Buscemi, Valentina Conio, Vincenzo Sancì, Angelo Corsico, Paola Faverio, Weronika Michalak, Fabrizio Luppi, Claudia Crimi, Carlo Vancheri, Raffaele Campisi, Maria Rosaria Vulpi, Giovanna Elisiana Carpagnano, Marianna Cicchetti, Kseniia Sekretna, Nicola Scichilone, Salvatore Battaglia, Stefano Aliberti
- 
- PA3327** **Clinical utility of rapid molecular diagnostics in acute exacerbation of bronchiectasis requiring hospitalisation: a prospective study**  
Charles Wong (Hong Kong, Hong Kong), Chun Wai Tong, Hei Shun Cheng, Pui Hing Chiu, Pui Ling Miu, Yiu Wing Lam, Yin Chun Yam
- 
- PA3328** **Looking for new biomarkers in bronchiectasis (BE): sputum Alpha1 antitrypsin (AAT), Neutrophil Elastase activity (NE) and secretory leucocyte protease inhibitor (SLPI).**  
Letizia Traversi (Cittiglio, Italy), Clara Pons Boyero, Ianire Gallego Amaro, Beatriz Lara Gallego, Guillermo Suarez-Cuartin, Almudena Felipe Montiel, Karina Loor, David Clofent Alarcon, Mario Culebras Amigo, Antonio Alvarez Fernandez, Eva Polverino

PS-27

Session 317

12:30 - 14:00

## Poster session: Lung cancer screening and incidental lung nodules: adjusting the gears

Disease(s) : Thoracic oncology

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

Tag(s) : Clinical

Chairs : Angshu Bhowmik (Barnet (Hertfordshire), United Kingdom), ISMINI KOUROUNI (CLEVELAND, United States)

- PA3329** **Factors influencing screening adherence in the Yorkshire Lung Screening Trial.**  
Sarah Ahmad (Leeds, United Kingdom), Francesca Pesola, Philip Crosbie, Rhian Gabe, Neil Hancock, Martyn Kennedy, Catriona Marshall, Suzanne Rogerson, Irene Simmonds, Matthew Callister
- 
- PA3330** **Surgically removed benign changes in lung cancer screening program**  
Jelena Djekic Malbasa (Novi Sad, Republic of Serbia), Tomi Kovacevic 1, 2, Bojan Zarić 1,2, Ivan Kuhajda 1,2, Darijo Bokan 1,2
- 
- PA3331** **What is the public perception of a national lung cancer screening programme? Qualitative content analysis of comments and responses to national media reporting**  
Alice Milne (Bristol, United Kingdom), Samantha Quaife, Anna Bibby
- 
- PA3332** **Achieving lung cancer screening in Australia – an advocacy success story**  
Paige Preston (Brisbane, Australia), Mark Brooke
- 
- PA3333** **Lung cancer screening outcomes following artificial intelligence application: protocol for updating a systematic review.**  
Sahraoui Nassima (Jubail, Saudi Arabia)
- 
- PA3334** **First-time large-scale targeted population screening for lung cancer in Greece - implementation of the SOLACE project**  
Iris-Theodora Vlachantoni (Athens, Greece), Konstantinos Karagiannis, Kyriaki Tavernaraki, Irimi Lambiri, Konstantinos Spanakis, Ilianna Tsetsoy, Nikolaos Tzanakis, Mina Gaga
- 
- PA3335** **The use of low dose CT in lung cancer screening: The preliminary result of the national lung cancer screening program**  
Chung-Jen Huang (New Taipei city, Taiwan), An-Chen Feng

- PA3336** **Cancer conversion rates at 3 and 12 months interval scans in a lung cancer screening programme**  
Aparna Natarajan Iyer (plymouth, United Kingdom), Owen Mole, Kirsten Leslie, Richard Riordan, Cyrus Daneshvar
- 
- PA3337** **Location and volume of screen-detected lung nodules: post hoc analysis from the UK Lung Cancer Screening (UKLS) trial**  
Oke Dimas Asmara (Leeuwarden, Netherlands), Harriet L. Lancaster, John K. Field, Michael P. A. Davies, Stephen W. Duffy, E. Christiaan Boerma, Edith Visser, Marjolein A. Heuvelmans, Anand Devaraj\*, Wouter H. Van Geffen\*, Matthijs Oudkerk\*
- 
- PA3338** **Sustained improvement in early lung cancer detection with Targeted Lung Health Check (TLHC) programme**  
Lucy Searle (Sheffield, United Kingdom), Abdul Nasimudeen, Moe Kyi
- 
- PA3339** **Targeted Lung Health Check Screening: Does it make a difference?**  
Neelan Surendraraj (Ilford, United Kingdom), Nitika Kaushal, Nicola Smallcombe, Neena Patel, Rajesh Banka, Oliver Price, William Ricketts, Rebecca Taylor
- 
- PA3340** **Incidental pulmonary nodules; eliminating the risk of missing early lung cancer**  
Ambika Talwar (Oxford, United Kingdom), Vedas Thakrar, Maria Wolos, Joanne Yates, Adedamola Falolu, Yen Duong, Claire Ridgeon, Rachel Benamore, John Park, Alastair Moore
- 
- PA3341** **Frequency of incidental diagnosis in contemporary lung cancer care**  
Hiske Zeinstra (Leeuwarden, Netherlands), Ronald A M Damhuis, Maarten J J Smeeckens, Anne-Marije Buitter, Alinda L. Zandsteeg, Wouter H. Van Geffen, Rolof G P Gijtenbeek
- 
- PA3342** **Developing a Pulmonary Nodule Service: Outcomes, Challenges and Future Aspirations**  
Ambika Talwar (Oxford, United Kingdom), Joanne Yates, Adedamola Falolu, Yen Duong, Claire Ridgeon, John Park, Alastair Moore, Rachel Benamore
- 
- PA3343** **Late Breaking Abstract - Reconstructing a Lung Cancer Screening Program to improve early stage lung cancer detection**  
Farah Madhani-Lovely (Reno, United States), Kathleen Graham, William Graham, Rebecca Doheny
- 
- PA3344** **The impact of antibiotic use on the management of pulmonary ground glass nodules: A retrospective cohort study**  
Yi Liu (Chengdu, China), Jiarui Zhang, Dan Liu
- 
- PA3345** **Lung cancer detection using miRNA biomarkers among patients on lung nodule follow-up.**  
Ming Ren Toh (SINGAPORE, Singapore), Kai Chin Poh, Cherry Chia, Ehsan Saffari
- 
- PA3346** **A nurse navigator led lung nodule service; creating a gold standard in education and patient safety**  
Ambika Talwar (Oxford, United Kingdom), Joanne Yates, Adedamola Falolu, Yen Duong, Claire Ridgeon, John Park, Alastair Moore, Fiona Macleod, Fergus Gleeson, Rachel Benamore
- 
- PA3348** **Clinical-CT predictive modeling of stage I micropapillary adenocarcinoma components**  
Linhui Yang (Chengdu, China), Jiarui Zhang, Dan Liu

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Session 318

12:30 - 14:00

**Poster session: Outcomes and pathway design in malignant effusion and thymoma****Disease(s)** : Thoracic oncology Respiratory critical care**Method(s)** : Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care Imaging Palliative care Epidemiology Public health Surgery**Tag(s)** : Clinical**Chairs** : Anand Sundaralingam (Oxford, United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom)

- PA3349** **Surgical management of locally advanced thymomas**  
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdesslem Hentati, Imed Frikha

- PA3350** **The usefulness of full-thickness biopsy during semirigid pleuroscopy for differentiating between malignant pleural mesothelioma and benign conditions**  
Takahiro Ueda (Osaka, Japan), Toshiyuki Nakai, Sayaka Tanaka, Hiroaki Nagamine, Atsushi Miyamoto, Misako Nishimura, Yoshiya Matsumoto, Kanako Sato, Kazuhiro Yamada, Tetsuya Watanabe, Kazuhisa Asai, Tomoya Kawaguchi

- PA3351** **Outcomes of Patients with Indwelling Pleural Catheters (IPCs) complicated by Septated Pleural Effusions**  
Wui Mei Chew (Singapore, Singapore), Ken Junyang Goh, Elsheikh Algulli, Nicola Russell, Julienne Cabildo, John Wrightson, Najib Rahman

- PA3352** **Assessing the clinical utility of the LENT and PROMISE scores in malignant pleural effusion**  
Craig Mounsey (Oxford, United Kingdom), Nikolaos Kanellakis, Jamie Mawhinney, Dinesh Addala, Anand Sundaralingam, Wui Mei Chew, Beenish Iqbal, Alguili Elsheikh, Abeer Saad, Nitika Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Nick Freemantle, Najib Rahman
- PA3353** **Prognostic biochemical biomarkers to predict response to pleurodesis or indwelling pleural catheter for malignant pleural effusion - a scoping review**  
Sina Ahmadzai (Næstved, Denmark), José M. Porcel, Federico Mei, Uffe Bødtger
- PA3354** **PET/CT scan and malignant pleural effusion: are we ready to rely less on imaging?**  
Leonardo Bertagna De Marchi (Portobuffolè (TV), Italy), Leonardo De Marchi Bertagna, Filippo Lanfranchi, Lorenzo Nicolè, Licia Laurino, Lucio Michieletto
- PA3355** **Indwelling pleural catheter infection rate - a single centre experience in a tertiary care Hospital – UK**  
Alguili Elsheikh (Oxford, United Kingdom), Dinesh Addala, Beenish Iqbal, Anand Sundaralingam, Ken Goh, Wuimei Chew, Rob Hallifax, John Wrightson, Najib Rahman
- PA3356** **Pleura-peritoneum crosstalk: A Retrospective Study of Malignant Pleural effusions and Ascites in Gynaecological Cancers**  
Ken Junyang Goh (Singapore, Singapore), Beenish Iqbal, Xenia Hartwig, Imogen Mechie, Karman Bhullar, Najib Rahman
- PA3357** **Molecular profile of malignant pleural effusion (MPE) in non-small cell lung cancer (NSCLC)**  
Irene Lojo Rodriguez (Vigo, Spain), Maribel Botana Rial, Almudena González Montaos, Ana González Piñeiro, Cristina Ramos Hernández, Mercedes Cuña Delgado, Manuel Núñez Delgado, Alberto Fernández Villar
- PA3358** **Storage of pleural fluid may be crucial for cytological analysis**  
Amandine Viccica (Villeurbanne, France), Simon Pointel, Anne-Laure Désage, Marie-Pierre Perquis, Sahbi Guezara, Mathilde Jacob, Michèle Cottier, Marios E. Froudarakis
- PA3359** **Utility of pleural fluid predictive marker panels in metastatic lung and breast adenocarcinoma**  
Jenny Ferguson (Glasgow, United Kingdom), Christopher Craig, Victoria Randles, Louise Brown, Duncan Fullerton, Matthew Evison, Selina Tsim, Kevin G Blyth
- PA3360** **An investigation into survival length in malignant pleural effusion over time**  
Craig Mounsey (Oxford, United Kingdom), Nikolaos Kanellakis, Dinesh Addala, Anand Sundaralingam, Wui Mei Chew, Beenish Iqbal, Alguili Elsheikh, Abeer Saad, Nitika Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Najib Rahman
- PA3361** **Late Breaking Abstract - Predicting time to next pleural procedure in patients with malignant pleural effusion following therapeutic aspiration**  
Eleanor Mishra (Oxford (Oxfordshire), United Kingdom), Helen Davies, Syed Hamza Abbas, Cheryl Hardy, Dominic Beith, Dheeraj Sethi, Toshit Sapkal, Alguili Elsheikh, Asfandyar Yousef, Emma Hedley, Anand Sundaralingham, Dinesh Addala, Lianne Castle, Neena Patel, Jurgen Herre, Hannah Collins, Jack Kastelik, Clare Ross, John Corcoran, Fathimath Shiham, Alison Hufton, Geri Lynch, Alex Dipper, Eleanor Barton, Amelia Clive, Nick Maskell, Allan Clark, Najib Rahman
- PA3362** **Late Breaking Abstract - Mulberry-like cell clusters contained multi-types cells in MPE Promote malignant activities and Targeted intervention**  
Yang Jin (Wuhan, China), Siwei Song, Zhe Jia, Shuai Zhang, Yumei Li, Zhengrong Yin, Feng Wu, Jingxia Li, Haoran Zheng, Ming Zhou, Xuan Wang

PS-29

Session 319

12:30 - 14:00

**Poster session: Novel insights in the pathogenesis of pulmonary fibrosis****Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** Cell and molecular biology Imaging Physiology**Tag(s) :** Basic science, Translational**Chairs :** Manuela Funke-Chambour (Bern, Switzerland), Ioannis Tomos (Athens (P. Faliro), Greece)

- PA3363** **SMTP-44D, a soluble epoxide hydrolase inhibitor, attenuated the progression of pulmonary fibrosis in vivo and in vitro.**  
Kojin Murakami (Tokushima, Japan), Seidai Sato, Yuya Isomura, Trang Thi Hong Phuong, Noriko Bando, Ryoko Suzue, Nandin-Erdene Danzan, Yuya Yamashita, Hiroki Bando, Keiko Haji, Nobuhito Naito, Kozo Kagawa, Hiroshi Kawano, Noriaki Inamura, Keiji Hasumi, Yasuhiko Nishioka
- PA3364** **LSC - 2024 - Dissecting the role of microRNAs and cellular aging in the pathophysiology of Idiopathic Pulmonary Fibrosis**  
Giulia Zandomenego (trieste, Italy)
- PA3365** **Clinical Application of Exosome KL-6 Detection in Respiratory Diseases**  
Huimin Huang (Guangzhou (Guangdong), China), Qian Han, Junqi Li, Jia Li, Baoqing Sun, Jin Su



PA3366	<b>Expression of HOXB7 in the lung of patients with idiopathic pulmonary fibrosis: a proof-of-concept study and clinical significance</b> Giulia Bruzzi (Modena, Italy), Roberto Tonelli, Anna Valeria Samarelli, Giulia Raineri, Ilenia Mastrolia, Matteo Costantini, Luca Fabbiani, Virginia Catani, Tiziana Petrachi, Dario Andrisani, Filippo Gozzi, Alessandro Marchioni, Valentina Masciale, Beatrice Aramini, Valentina Ruggieri, Giulia Grisendi, Massimo Dominici, Stefania Cerri, Enrico Clini
PA3367	<b>Sirtuins as biomarkers of accelerated cellular senescence in patients with Idiopathic Pulmonary Fibrosis (SIR-IPF)</b> Domenica Francesca Mariniello (Napoli, Italy), Vito D'Agnano, Filippo Scialò, Grazia Mazzeo, Ramona Fomez, Linda Franzese, Andrea Bianco, Fabio Perrotta
PA3368	<b>Feasibility study of a novel synchrotron-based imaging method to assess bleomycin-induced pulmonary fibrosis progression in mice in vivo</b> Robert Skomro (Saskatoon, Canada), Xiaojie Luan, M. Adam Webb, Flinn N. Herriot, Veronica Marcoux, Julian S. Tam, Juan P. Ianowski
PA3369	<b>Reproducible lung protective effects of a TGF<math>\beta</math>1/ALK5 inhibitor in the bleomycin-induced and spirometry-confirmed mouse model of IPF</b> Susanne Pors (Hørsholm, Denmark), Asbjørn Graver Petersen, Stefanie Korntner, Henrik H. Hansen, Michael Feigh
PA3370	<b>LTBP2: A Potential Fibroblasts-Anchoring Target in Idiopathic Pulmonary Fibrosis Regulated by TCF4</b> Lingxiao Qiu (Chongqing, China), Guojun Zhang, Xinye Zhang, Zhi Xu, Shanshan Chen, Ping Li, Chunyu Lu, Hui Li, Chun Huang, Hongxia Jia, Huasi Zhao
PA3371	<b>Understanding the Dynamics of Pro-Fibrotic Biomarkers in Precision-Cut Lung Slices: Implications for Preclinical Studies</b> Lena Willmer (Hannover, Germany), Maximilian Fuchs, Lavinia Neubert, Danny Jonigk, Meha Patel, Natalie Hill, Trevor Fisher, Russell B. Fletcher, Patrick Zardo, Hans-Gerd Fieguth, Jan Fiedler, Armin Braun, Katherina Sewald, Christina Hesse
PA3372	<b>Exploring Combined Therapy: Disulfiram and Antifibrotic Agents in Attenuating Pulmonary Fibrosis in Bleomycin-Induced Mouse Model</b> MIDORI SATO (Tokyo, Japan), Hirokazu Urushiyama, Etsuko Toda, Hiroshi Takumida, Takayoshi Enokido, Akira Saito, Yuya Terashima, Hidenori Kage
PA3373	<b>Blood levels of soluble macrophage-mannose receptor (sCD206) are uniquely associated with severity and mortality in idiopathic pulmonary fibrosis</b> Elisabeth Bendstrup (Aarhus N, Denmark), Anne Juhl Nielsen, Thomas Skovhus Prior, Holger Jon Møller
PA3374	<b>In vitro evaluation of senolytics targeting BCL2 family members to selectively deplete senescent primary human alveolar and small airway-derived epithelial cells</b> Stephan Klee (Biberach, Germany), Dennis Schäfer, Lara Beck, Ingrid Christ, Victoria Schröder, Eva Peter, Holger Schlüter, Kerstin Geillinger-Kästle, Matthew Thomas
PA3375	<b>Genetic Deletion of Muc5b Reduces Interstitial Lung Disease in Neonatal Nedd4-2 Deficient Mice</b> Nathalie Smyczek (Berlin, Germany), Julie C. Meyer Auf Der Heyde, Dominik H. W. Leitz, Laura Schaupp, Maria Daniltchenko, Christopher M. Evans, Marcus A. Mall, Julia Duerr
PA3376	<b>Globularia alypum L. phenolic rich extract ameliorates progressive pulmonary fibrosis induced by Bleomycin in Wistar rats</b> Sana BAHRI (Tunis, Tunisia), Rim Ben Mansour, Afef Nahdi, Mona Mlika, Linda Hadjkacem, Riadh Ksouri, Saloua Jameleddine
PA3377	<b>Prognostic Significance of Pyroptosis-Related Genes in Pulmonary Fibrosis: A Risk Scoring Model Approach</b> Tao Yang (Chongqing, China), Lu Liu, Xuetao Yang, Tianyang Zeng, Min Zhang, Minjian Ge
PA3378	<b>Role and mechanism of microRNA-423-5p targeted FOXP4 regulation in pulmonary fibrosis</b> Yi Chen (Chong qing, China), Guo Shuliang
PA3379	<b>Antifibrotics and PDE4B inhibition suppress pulmonary fibroblast proliferation</b> Lavanya Raman (Fareham (Hampshire), United Kingdom), Matthew Rickman, Maria Vinokurova, Neringa Cypaite, Blerina Ahmetaj-Shala, Nicholas Kirkby, Peter George, Jane Mitchell
PA3380	<b>Effects of the angiotensin II type 2 receptor agonist buloxibutid on human lung myofibroblasts and IPF lung tissue</b> Johan Raud (Stockholm, Sweden), Johanna Gräns, Mikael Nygård, Ahmed Mousa
PA3381	<b>Type 1 invariant natural killer T cells drive lung fibrosis</b> Emily Calamita (London, United Kingdom), Wing Han Liu, Patricia P. Ogger, Christina Michalaki, Faye Murphy, Cormac Mccarthy, Albert Agro, Marc Hertz, Toby M. Maher, Clare M. Lloyd, Philip L. Molyneaux, Vipin Kumar, Adam J. Byrne
PA3382	<b>Altered expression of CSF1R in airway macrophages during idiopathic pulmonary fibrosis</b> Christina Michalaki (London, United Kingdom), Toby M. Maher, Clare M. Lloyd, Philip L. Molyneaux, Peter Ordentlich, Adam J. Byrne

## PS-3 Session 320 12:30 - 14:00

## Poster session: When imaging meets physiology: a window to the lung

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

Method(s) : Imaging Pulmonary function testing Physiology Respiratory intensive care Pulmonary rehabilitation General respiratory patient care

Tag(s) : Clinical

Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Mathieu Marillier (Echirolles, France)

- PA3383** **Missing airways, ventilation defects and conductive airway physiology in asthma.**  
Sylvia Verbanck (Bruxelles, Belgium), Rachel Eddy, Marrison McIntosh, Grace Parraga, Brody Foy
- 
- PA3384** **Assessing pulmonary exacerbations (PE<sub>x</sub>) in people with cystic fibrosis (pwCF) with dynamic functional lung MRI**  
Christopher Short (London, United Kingdom), Thomas Semple, Mary Abkir, Marta Tibiletti, Mark Rosenthal, Simon Padley, Geoff.J.M Parker, Jane.C. Davies
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- PA3385** **Oxygen-enhanced MRI versus PREFUL in assessing pulmonary ventilation in COPD and healthy individuals.**  
Amany Elbehairy (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jørgen Vestbo, Alex Horsley
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- PA3387** **Multiphase micro-CT ( $\mu$ CT) as a surrogate for longitudinal pulmonary function quantification in a lung fibrosis model**  
Francesca Pennati (Milano (MI), Italy), Sasha Belenkov, Martina Buccardi, Erica Ferrini, Nicola Sverzellati, Gino Villetti, Andrea Aliverti, Franco Fabio Stellari
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- PA3388** **Local tissue strain imaged by in vivo 4D phase-contrast  $\mu$ CT in bleomycin and ventilator-induced lung injury in rats**  
Irma Mahmutovic Persson (Lund, Sweden), Sam Bayat, Richard T. Deyhle Jr., Luca Fardin, Jose Luis Cercos-Pita, Gaetano Perchiazzi, Lars E. Olsson
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- PA3389** **The association of spirometry findings with Thorax Computerized Tomography in Children with Common Variable Immunodeficiency**  
Merve nur Tekin (Ankara, Turkey), Fazılcan Zirek, Secahattin Bayav, Mukaddes Ağrıtcı, Mahmut Turğut, Esin Gizem Olgun, Semra Küçük Öztürk, Gizem Özcan, Nazan Çobanoğlu
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- PA3390** **Cardiac alterations related to new CT emphysema subtypes: results from the SubPopulations and Intermediate Outcome Measures In COPD and Heart Failure Study (SPIROMICS HF)**  
R. Graham Barr (New York, United States), DANIEL SHEPSHELOVICH, Aparna Balasubramanian, Joao Ac Lima, Martin Prince, Prachi Agarwal, Garima Arora, Igor Barjaktarevic, Bharath Ambale-Venkatesh, David A. Bluemke, James C. Carr, Christopher B. Cooper, David Couper, Mark Dransfield, Paul Finn, Benjamin H. Freed, Emilia Hermann, Meilan Han, Nadia Hansel, Jeff Hsu, Dalane Kitzman, Jerry A. Krishnan, Troy Labounty, Yoo Jin Lee, Jing Liu, Steven G. Lloyd, Andrew Laine, Elsa Angelinini, Artur Wysoczanski, Jil Ohar, Victor E. Ortega, Robert Paine, Stephen P. Peters, Dipayan Chaudhuri, Joyce Schroeder, Wei Shen, Yifei Sun, Abraham Theodore, Jens Vogel-Claussen, Karol Watson, Prescott Woodruff, Sanjiv J. Shah
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- PA3391** **Chronic Graft versus Host disease involving the lung: CT scan features**  
Roland Barbante (Marsico Nuovo, Italy), Sara Picicchi, Claudia Ravaglia, Antonio Vizzuso, Emanuela Giampalma, Venerino Poletti
- 
- PA3392** **Novel spatial measurements of inspiratory expansion and expiratory deflation rates in ILD and COPD**  
Kris Nilsen (PRESTON, Australia), Greg Snell, Bronwyn Levvey, Glen Westall, Dina Bushall, Andreas Fouras, Jason Kirkness, Piraveen Pirakalathanan, Charlotte Thomas, Nina Eikelis
- 
- PA3393** **Identification of Vocal Cord Dysfunction Phenotypes by Latent Class Analysis**  
Mark Hew (Melbourne (VIC), Australia), Logan Gardner, Eve Denton, Janine Mahoney, Stephanie Stojanovic, Jonathan Pham, Anurika De Silva, Tiffany Lin, Melanie Wong, Tunn Ren Tay, Asger Sverrild, Kavitha Garuna Murthee, Fiona Hore-Lacy, Ryan Hoy, Joy Lee
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- PA3394** **Is trans-laryngeal ultrasound (TLUS) a useful tool in the assessment of inducible laryngeal obstruction? Heathy volunteer data**  
Claire Slinger (Clitheroe (Lancashire), United Kingdom), Paul Leong, Roganie Govender
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- PA3395** **Quantitative Morphometry and Local Tissue Elasticity Measurements in a Rat Model of Ventilator-Induced Lung Injury**  
Md Motiur Rahman Sagar (Göttingen, Germany), Lorenzo D'Amico, Richard T. Deyhle Jr., Ruth Meyer, Luca Fardin, Irma Persson Mahmutovic, Jose Luis Cercos-Pita, Gaetano Perchiazzi, Sarah Köster, Frauke Alves, Lars E. Olsson, Christian Dullin, Sam Bayat

- PA3396** **An 8-month exercise rehabilitation program improved brain oxygenation during exercise in patients with IPF**  
Konstantina Dipla (Serres, Greece), Stella Kritikou, Aikaterini Markopoulou, Afroditi Boutou, Georgia Kounti, Christina Rampiadou, Athanassios Zacharias, Ioannis Gkalgouranas, Valentina Pegklidou, Diamantis Chloros, Ioannis Stanopoulos, Georgia Pitsiou, Andreas Zafeiridis

**PS-30** **Session 321** **12:30 - 14:00**

**Poster session: The impact of lung imaging in the management of interstitial lung disease of known origin**

**Disease(s) :** **Interstitial lung diseases** **Airway diseases**

**Method(s) :** Imaging General respiratory patient care Pulmonary function testing Epidemiology Public health

**Tag(s) :** Clinical

**Chairs :** Vasileios Kouranos (London, United Kingdom), Cara Flynn (Leicester, United Kingdom)

- PA3397** **CT-based radiomics for assessing lung function (decline) in SSc-ILD patients: a promising approach**  
Flore Belmans (Leuven, Belgium), Monique Henket, Benoit Ernst, Greetje Vande Velde, Wim Vos, Julien Guiot

- PA3398** **CT-based radiomics to construct a differential diagnosis model for immune-related interstitial pneumonia**  
Qi Yu (Guangzhou, China), Tingyue Luo, Jingze Guo, Zeyu Fu, Junjie Xi, Shaoxi Cai, Hangming Dong

- PA3399** **Interstitial lung abnormality presence associates with mortality in a lung cancer screening cohort independent of multi-organ comorbidities**  
Burcu Ozaltin (London, United Kingdom), Mehran Azimbaghirad, Brintha Selvarajah, Aryn Bhamani, Ryoko Egashira, John McCabe, Priyam Verghese, Ruth Predecki, Andrew Creamer, Jennifer L Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Cheun Ryan Khaw, Monica Mullin, Kylie Gyertson, Anne-Marie Hacker, Laura Farrelly, Nicola Smallcombe, Anand Devaraj, Arjun Nair, Mariia Yuneva, R Gisli Jenkins, Rachel C Chambers, Joanna C Porter, Allan Hackshaw, Sam M Janes, Joseph Jacob

- PA3400** **Differentiating interstitial lung abnormalities and interstitial lung disease in lung cancer screening**  
Brintha Selvarajah (London, United Kingdom), Aryn Bhamani, Mehran Azimbaghirad, Burcu Ozaltin, Ryoko Egashira, John McCabe, Nicola Smallcombe, Priyam Verghese, Ruth Predecki, Andrew Creamer, Jennifer L Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Chuen Ryan Khaw, Monica Mullin, Kylie Gyertson, Anne-Marie Hacker, Laura Farrelly, Anand Devaraj, Arjun Nair, Mariia Yuneva, R Gisli Jenkins, Rachel C Chambers, Joanna C Porter, Allan Hackshaw, Sam M Janes, Joseph Jacob

- PA3401** **Development of machine learning model in prediction of the rapid progression of interstitial lung disease in patients with idiopathic inflammatory myopathy**  
Yuhui Qiang (Beijing, China), Hongyi Wang, Min Liu, Chen Wang, Huaping Dai

- PA3402** **Quantitative high-resolution computed tomography features of pulmonary vessel related structures in prediction of rapid progression of idiopathic inflammatory myopathies-related interstitial lung disease**  
Yuhui Qiang (Beijing, China), Min Liu, Huaping Dai, Chen Wang

- PA3403** **Quantitative metrics on computed tomography can predict the rapid progression of idiopathic inflammatory myopathies-related interstitial lung disease**  
Hongyi Wang (Beijing, China), Yuhui Qiang, Min Liu, Chen Wang, Huaping Dai

- PA3404** **Complicated Silicosis due to silica agglomerates: 18F-FDG PET/CT and systemic inflammatory indices.**  
Antonio Leon Jimenez (Cádiz, Spain), Antonio Campos-Caro, Julio Rodríguez-Rubio Corona, María Luisa Piñero Fernández-Reyes, Magdalena Pajares-Vinardel, Antonio Hidalgo-Molina, Gema Jiménez-Gómez

- PA3405** **Thoracic ultrasound to detect interstitial lung disease associated with rheumatoid arthritis: comparing three protocols**  
Marie Vermant (Leuven, Belgium), Alexandros Kalkanis, Joseph Jacob, Tinne Goos, Emanuela Elsa Cortesi, Heleen Cypers, Nico De Crem, Stefan Gogaert, Barbara Neerinckx, Veerle Taelman, Nathalie Veyt, Laurens J De Sadeleer, Patrick Verschuere, Wim A Wuyts

- PA3406** **Interstitial lung disease in patients with systemic sclerosis: relationships between functional, radiological and ultrasound data**  
Giulia Sartori (Verona, Italy), Francesco Grottoli, Giulio Bonisoli, Michelangelo Xavier Palou-Schwartzbaum, Filippo Caldana, Federica Maiolini, Elisa Tinazzi, Ernesto Crisafulli

- PA3407** **Advanced AI-based image analysis for quantification of interstitial lung disease in rheumatoid arthritis patients**  
Anna Denis (Liège, Belgium), Monique Henket, Xavier Creuen, Benoit Ernst, Clio Ribbens, Paul Meunier, Renaud Louis, Julien Guiot

- PA3408 Radiologic features associated to progressive fibrosing interstitial lung diseases (ILDs) other than Idiopathic Pulmonary Fibrosis (IPF)**  
Serena Bellani (Padova, Italy), Elisabetta Coconcelli, Nicol Bernardinello, Chiara Giraud, Anamaria Chelu, Giulia Grisostomi, Francesca Boscaro, Giulia Bacchin, Sara Cecchinato, Martina Visona, Paolo Spagnolo, Elisabetta Balestro
- PA3410 Radiology screening scale for usual interstitial pneumonia as an additional tool for establishing the diagnosis of pulmonary fibrosis in patients with post-COVID-19 ILD.**  
Oleh Yakovenko (Lutsk, Ukraine), Yaroslav Dziublyk, Eduard Khodosh, Tetiana Yakovenko, Alla Hrytsiuk, Oleksandr Dziublyk
- PA3411 Clinical Impact of Pneumomediastinum in Patients with Myositis-Associated Interstitial Lung Disease**  
Junghee Jung, Bin Yoo, Chang-Keun Lee, Yong-Gil Kim, Seokchan Hong, Soo Min Ahn, Ho Cheol Kim
- PA3412 Comparison of MDD across two different ILD referral centers using the same CRF**  
Francesco Amati (Pieve Emanuele (Milano), Italy), Dean Kellogg, Marcos Restrepo, Francesco Blasi, Anna Stainer, Giacomo Maruca, Stefano Aliberti, Anoop Nambiar
- PA3413 Evolution of small airway involvement in rheumatoid arthritis. A multicenter prospective study.**  
Fabián Matias Caro (Ciudad Autónoma Buenos Aires, Argentina), Hernan Molina, Martin Fernández, María Laura Alberti, Leandro Fassola, Jose Malet, Anastasia Secco, Agustina Caceres, Andres Leonardo Martinez Perdomo, Patricia Sasaki, Maura Martinez, Rafael Carbonell, Maria Celina De La Vega
- PA3414 Prevalence and Diagnostic Accuracy of Cervical Lymphadenopathy in Sarcoidosis: Insights from Ultrasound-Guided Biopsies**  
May Salaheldin Abdelwahab Eissa (alexndria, Egypt), Ahmed El-Sayed El-Hefny, Amr Ali Abdel-Kerim, Samar Nabil El-Achy, Ayman Ibrahim Baess
- PA3415 Late Breaking Abstract - Deep-learning Algorithm FibroNet to Identify Fibrotic Primary Sjögren's Syndrome -associated Interstitial Lung Disease based on Chest HRCT**  
Wenyan Meng (Beijing, China), Han Kang, Min Liu, Rongguo Zhang, Xiaojuan Guo, Chen Wang, Huaping Dai
- PA3416 Late Breaking Abstract - Real-life characteristics and management of patients with fibrosing interstitial lung disease: INSIGHTS-ILD registry**  
Juergen Behr (München, Germany), Michael Kreuter, Antje Prasse, Andreas Guenther, Francesco Bonella, Christine Pausch, Dirk Skowasch, Heinrike Wilkens, Hans-Joachim Kabit, Hubert Wirtz, Martin Claussen, Christian Grohé, Lars Hagemeyer, Stephan Budweiser, Ioana Andreica, Ulrich Neff, David Pittrow, Heike Biller, Sven Glaeser, Martin Schwaiblmair, Peter Schramm, F. Joachim Meyer, Karine Thabaret, Jens Klotsche, Tobias Veit, Marion Frankenberger, Lea Drobbe, Wolfgang Gesierich, Bernd Seese, Achim Grünewaldt, Philipp Markart, Michael Westhoff, Matthias Held, Joachim Kirschner, Julia Wälscher, Stephan Eisenmann, Stephan Waltersperger, Claus Neurohr, Claus-Peter Kreutz, Daniel Grund, Sabine Haberl, Ralf Ewert, Markus Polke, Frank Reichenberger, Werner Von Wulffen, Ekaterina Krauss, Michael Weber, Dirk Koschel

PS-31

Session 322

12:30 - 14:00

## Poster session: Pulmonary hypertension in lung disease

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

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

Tag(s) : Clinical, Translational

Chairs : Isabel Blanco Vich (Barcelona, Spain), Katarina Zeder (Graz, Austria)

- PA3417 Pulmonary vascular resistance to predict one-year survival in ILD-PH**  
Segolene Turquier (bron, France), Remi Diesler, Martine Reynaud-Gaubert, Charlotte Loriau, Thomas Lacoste-Palasset, Victor Valentin, Sébastien Quétant, Ari Chaouat, Clement Boissin, Elise Noël-Savina, Cécile Tromeur, Emmanuel Bergot, François Picard, Elise Artaud-Macari, Hilario Nunes, Laurent Bertoletti, Pascal Magro, Delphine Horeau-Langlard, Mathilde Duprez, Philippe Bonniaud, Claire Dauphin, Bouchra Lamia, Marianne Riou, Olivier Sanchez, Sylvain Palat, Dina Raharison, Laurence Rottat, Sabrina Zeghmar, Ana Nieves-Martinez, Kais Ahmad, Athénaïs Boucly, David Montani, Nicolas Lamblin, Bruno Degano, Arnaud Bourdin, Marc Humbert, Fabien Subtil, Olivier Sitbon, Vincent Cottin
- PA3418 Pulmonary vascular involvement in patients with interstitial lung disease (ILD): a distinct phenotype**  
Giordano Fiorentu' (Padua, Italy), Elisabetta Coconcelli, Nicol Bernardinello, Dylan Pasin, Roberta Accoto, Chiara Giraud, Sara Cecchinato, Martina Visonà, Paolo Spagnolo, Elisabetta Balestro
- PA3419 Association of Pulmonary Hypertension risk on Echocardiography with the degree of pulmonary fibrosis in a Usual Interstitial Pneumonia Cohort in United Arab Emirates.**  
Govinda Saicharan Bodi (Abu Dhabi, United Arab Emirates), Mohammed Samiuddin, Hossam Alazazzi, Stuti Mull, Shayan Khan, Zaina Khan, Sathiyamoorthy Sadharaman, Mohammed Khalil, Jihad Mallat, Khaled Saleh



PA3420	<b>Impact of pulmonary hypertension in baseline characteristics and survival of patients with idiopathic pulmonary fibrosis</b> Laura Price (London, United Kingdom), Alexandra Arvanitaki, Gerhard Diller, Vasileios Kouranos, Thomas Semple, Wei Li, Colm McCabe, Michael A. Gatzoulis, John Wort
PA3421	<b>REVEAL Lite 2 risk assessment in Pulmonary Hypertension associated to respiratory disease.</b> Marta Évora García (Las Palmas de Gran Canaria, Spain), Gregorio Pérez Peñate, Carlos Ojeda Suárez, Helena Galván Fernández, Ibrahim Veliz Flores, Jesús Villar Hernández, Desirée Alemán Segura, Amando Sixto Márquez, Javier Guerra Ramos, Ana Martín Medina, Fernando León
PA3422	<b>Management of Pulmonary Hypertension associated with Chronic Lung Disease: Results of the ERS Clinical Research Collaboration PHAROS survey</b> Laurent Godinas (Leuven, Belgium), David Montani, Sergio Harari, Marius Hoepfer, David Kiely, Esther Nossent, Gabor Kovacs, Robin Condliffe, Anton Vonk Noordegraaf, Pilar Escribano Subias, Isabelle Blanco, Dario Vizza, Fabio Dardi, Abilio Reis, Marion Delcroix, Olivier Sitbon, Joan Barbera
PA3423	<b>Reasons to join pulmonary hypertension patient associations – do not forget the caregivers!</b> Eva Otter (Vienna, Austria), Roberto Badagliacca, Regina Steringer-Mascherbauer, Khodr Tello, Gerald Fischer, Ralf Lenhard, Martina Neubauer, Hall Skara, Dario Vizza
PA3424	<b>Machine learning to detect pulmonary hypertension associated with chronic obstructive pulmonary disease (PH-COPD)</b> Tyler Wagner (Crownsville, United States), Hilary M Dubrock, Kathryn Del Valle, Hannah Barman, Katherine Carlson, Hari Bandi, Mithun Manoharan, Tracey Weiss, Dena Rosen Ramey, Boshu Ru, Catelyn Coyle
PA3425	<b>Estimated Cardiac Hemodynamics using Cardiac Magnetic Resonance Imaging (MRI) and Computed Tomography Emphysema Subtypes (CTES): The Multi-Ethnic Study of Atherosclerosis (MESA) Chronic Obstructive Pulmonary Disease (COPD) Study</b> Emilia Hermann (NEW YORK, United States), Jesse Yang, Elsa Angelini, Pallavi Balte, David Bluemke, James Carr, Katja Derlin, Antoinette Gomes, Mohammadali Habibi, Eric Hoffman, Chris Johns, Steven Kawut, David Kiely, Andrew Laine, Joao Lima, Martin Prince, Benjamin Smith, Jens Vogel-Claussen, Karol Watson, Jim Wild, Andrew Swift, Graham Barr
PA3426	<b>Profiles of patients with pulmonary hypertension associated with chronic obstructive pulmonary disease (PH-COPD)</b> Tyler Wagner (Crownsville, United States), Hilary M Dubrock, Kathryn Del Valle, Hannah Barman, Katherine Carlson, Hari Bandi, Mithun Manoharan, Tracey Weiss, Dena Rosen Ramey, Boshu Ru, Catelyn Coyle
PA3427	<b>Right ventricular function in pulmonary arterial hypertension and obesity or underweight - a cross-sectional cohort study with survival follow-up</b> Benjamin Egenlauf (Heidelberg, Germany), Moritz Braun, Alberto M. Marra, Panagiota Xanthouli, Satenik Harutyunova, Christina A. Eichstaedt, Ekkehard Grünig, Nicola Benjamin
PA3428	<b>Pre-capillary pulmonary hypertension in COPD: are there distinctive ironome-associated endotypes?</b> Oleh Myronenko (Graz, Austria), Vasile Foris, Andrea Olschewski, Horst Olschewski
PA3429	<b>Promotor hypomethylation mediated upregulation of VCAN targets Twist1 to promote EndMT in hypoxia-induced pulmonary hypertension</b> Yan Wu (Wuxi, China), Jinyan Yu, Ziteng Wang, Shulun Huang, Shugao Ye, Yuan Chen, Tao Bian
PA3430	<b>Pulmonary hypertension induced by right pulmonary artery occlusion: hemodynamic consequences of Bmpr2 mutation</b> Julien Grynblat (Paris, France), Alban Todesco, Firmin Kouamé Akoumia, Damien Bonnet, Pedro Mendes-Ferreira, Stephane Morisset, Denis Chemla, Marilyne Levy, Mathilde Meot, Sophie Malekzadeh-Milani, Birger Tielemans, Benoit Decante, Carine Vastel-Amzallag, Ghigna Maria-Rosa, Marc Humbert, David Montani, David Boulate, Frederic Perros
PA3431	<b>Molecular pathways underlying vascular impairment induced by cigarette smoke: unraveling the role of nAChR alpha 7 in hPASMC</b> María Jose Calzada Garcia (Madrid, Spain), Onofre Munar-Rubert, Rosa Andreu-Martinez, Jorge Rodriguez-Perez, Noelia Lopez, Bianca Barreira, Marta Villegas-Esguevillas, Laura Sanchez-Carretero, Edgar Fernandez-Malave, German Peces-Barba, Angel Cogolludo, Cecilia Muñoz
PA3432	<b>Medication adherence in patients with pulmonary hypertension</b> Ifan Jenkin (London, United Kingdom), Rachel Blyth, Ippokratis Zarifis, Eva Moriarty, Muhammad Owais Musani, Laura Price, S. John Wort
PA3433	<b>Effect of Celastrol on pulmonary hypertension associated to bronchopulmonary dysplasia: preclinical study outcomes</b> Christelle Guibert (Pessac, France), Guillaume Cardouat, Isabel Gauthereau, Mathilde Dubois, Paul Robillard, Fanny Sauvestre, Fanny Pelluard, Sophie Berenguer, Loïc Sentilhes, Frederic Coatleven, Marie Vincienne, Laurent Renesmes, Roger Marthan, Patrick Berger, Eric Dumas-De-La-Roque, Véronique Freund-Michel, Claire-Marie Pilard



**PA3434 Physician- and model-reported factors to identify pulmonary hypertension associated with chronic obstructive pulmonary disease (PH-COPD)**  
Tyler Wagner (Crownsville, United States), Hilary M Dubrock, Kathryn Del Valle, Hannah Barman, Katherine Carlson, Hari Bandi, Mithun Manoharan, Tracey Weiss, Dena Rosen Ramey, Boshu Ru, Catelyn Coyle

**PA3435 Pulmonary Hypertension of various aetiology in obesity and sleep disordered breathing- A retrospective review of pulmonary haemodynamics**  
Samiha Naureen (Hull, United Kingdom), Sayed Alwadaei, Mark Major, Amanda Bell, Abdul Hameed, Shoaib Faruqi

**PA3436 Exploring Family Dynamics and Ethical Considerations in the PAH Diagnostic and Therapeutic Journey: Insights from In-Depth Semi-Structured Interviews**  
Emilia Maria SWIETLIK (CAMBRIDGE, United Kingdom), Micheala Fay, Nicholas W Morrell

PS-32

Session 323

12:30 - 14:00

## Poster session: The use of ultrasound in respiratory medicine

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

**Method(s) :** Imaging Respiratory intensive care Surgery Endoscopy and interventional pulmonology Physiology Pulmonary function testing Pulmonary rehabilitation General respiratory patient care

**Tag(s) :** Clinical

**Chairs :** Alberto Fantin (Udine, Italy), Maged Hassan (Alexandria, Egypt)

**PA3438 Maximizing Diagnostic Accuracy: Core Needle Biopsy versus Fine-Needle Aspiration in Peripheral Lung Lesions**  
Mina Osama Botros Labib (Alexandria, Egypt), Yehia Mohamed Kahlil, Hany Amin Sharawy, Eman Sheta Ali Gawdat Elsawy, Rania Ahmed Sweed

**PA3439 Ultrasound assessment of respiratory related muscles for predicting exercise intolerance in patients with stable chronic obstructive pulmonary disease**  
yujin zheng (Beijing, China)

**PA3440 Can lung ultrasound in the postoperative period of cardiac surgery predict extubation failure?**  
Thais Bento Rudge Ramos (Campinas, Brazil), Ligia Dos Santos Roceto Ratti, Lindemberg M Silveira-Filho, Matheus Da Silva Passos, Lilian Elizabete Dellazari, Luiz Claudio Martins, Luciana Castilho De Figueiredo

**PA3441 Changes in Forced Oscillations and Diaphragmatic Excursion in patients starting use CPAP or Non Invasive Mechanical Ventilation**  
Angelo Longoni (Mariano Comense (CO), Italy), Tiziana Cappelletti, Francesca Frassanito, Lorenza Fusetti, Federico Giussani, Carla Bassino

**PA3442 CHEst PHysical Exam with UltraSound (CHEPHEUS) part 2. A pilot study**  
Alessandro Zanforlin (Bolzano (BZ), Italy), Andrea Smargiassi, Paolo Carlucci, Dejan Radovanovic, Riccardo Inchingolo, Francesco Tursi

**PA3443 Different definitions of ultrasonographic diaphragmatic dysfunction can improve its correlation with in-hospital death**  
Fiammetta Danzo (Milano, Italy), Luca Perotto, Lisa Milani, Debora Maria Spitaleri, Marina Saad, Stefano Pini, Pierachille Santus, Dejan Radovanovic

**PA3444 Thoracic ultrasound shear wave elastography in interstitial lung disease: an explorative pilot study**  
Christian Kildegaard (Odense, Denmark), Christian B. Laursen, Jesper Rømhild Davidsen

**PA3445 Thoracic Ultrasound (TUS) in iatrogenic pneumothorax detection: an easy and reliable tool.**  
Davide Ortolan (Carbonera, Italy), Matteo Daverio, Martino Dallago, Rossella Valvason, Mariaenrica Tine, Umberto Semenzato, Davide Biondini, Marco Damin, Elisabetta Balestro, Paolo Spagnolo

**PA3446 Evaluation of the rapid airway assessment ultrasound protocol for confirming endotracheal intubation**  
Sasathorn Tharapoom (Bangkok, Thailand), Anan Wattanatham

**PA3447 Sonographic predictors of dyspnea relief after therapeutic thoracentesis – a prospective study**  
Beatrice Iskander (Alexandria, Egypt), Enas Elsayed, Mahmoud Reda, Maged Hassan

**PA3448 Coupling exercise lung ultrasound with cardiopulmonary exercise testing (LUS-CPET): proof of concept**  
Antoine EL KIK (Beirut, Lebanon), Hind Eid, Albert Riachy, Moussa Riachy

**PA3449 Lung US (LUS) a valuable tool in identifying asbestos-exposed subjects who require chest-CT**  
Sara De Magistris (Pisa (PI), Italy), Sofia Bailo, Nicole Colombo, Federica Novelli, Gianfranco Puppo, Massimiliano Sivori, Anna Maria Carletti, Luigi Chiaffi, Valentina Pinelli

- PA3450 US-guided biopsy for lung cancer diagnostics: are core biopsies superior to FNA?**  
Ola Mohammad (Stafford, United Kingdom), Maged Hassan, Thyusha Devineni, Eman Desoky, Sarah Nicholson
- 
- PA3451 Associations between sleep disorders, lung mechanics, and thoracic ultrasound signals in adults with obesity: a cross-sectional study**  
Isabela Aziz (Niteroi, Brazil), Isabela Tamiozzo Serpa, Sidney Fernandes Da Silva, Carlos Eduardo Santos, Iasmim Maria Pereira Pinto Fonseca, Hendyl Pereira Soares Dos Anjos, Viviane Cristina Viana De Souza, Joana Acar Silva, Thiago Thomaz Mafort, Agnaldo José Lopes
- 
- PA3452 Comparative study between medical thoracoscopic and ultrasound-guided transthoracic pleural biopsies in diagnosis of tuberculous pleural effusion**  
Mohamed Yosri (Alexandria, Egypt), Haytham Emam, Eman Sheta, Mohamed El Shafei, Alaa Aldein Abdullah
- 
- PA3453 Benefit of systematic management of pleural effusions using thoracic ultrasound: a prospective randomized study: ECHOPLEV**  
Elise Noel-Savina (Cugnaux, France), Sylvain Droneau, Joseph Celia, Sandrine Pontier, Thomas Villeneuve, Dupuis Marion, Florian Laborde, Gregoire Prévot, Alain Didier
- 
- PA3454 The dynamic air bronchogram; a new parameter of thoracic ultrasound in predicting non-expandable lung**  
Hüseyin Yıldırım (Eskişehir, Turkey), Guntulu Ak, Senay Yılmaz, Fusun Alatas, Muzaffer Metintas
- 
- PA3455 Descriptive study of the use of ultrasound in the assessment of diaphragmatic dysfunction**  
Albert Rafecas-Codern (Barcelona, Spain), Ana Pardessus Otero, Genesis Parada Perez, Joel Lakhani Lakhani, Pere Serra Mitja, Virginia Pajares Ruiz
- 
- PA3456 The value of lung ultrasound in diagnosing community-acquired pneumonia in tuberculosis endemic regions.**  
Vu Le Thuong (Hô Chí Minh, Vietnam), Lê Quốc Khánh Trần, Truc Thai-Thanh, Nguyen Tran-Ngoc, Ngoc Duong-Minh, Lam Nguyen-Ho, Khoa Nguyen-Dang, Anh Nguyen-Vinh, Hoang Ngo-The, Nhat Phung-Tran-Huy, Luigi Pisani, Nam Vu-Hoai, Vu Le-Thuong

PS-4 Session 324 12:30 - 14:00

Poster session: What can clinical physiology tell us about airways disease?

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

Method(s) : Physiology Pulmonary function testing Epidemiology Pulmonary rehabilitation Imaging General respiratory patient care Transplantation

Tag(s) : Clinical

Chairs : Sylvia Verbanck (Bruxelles, Belgium), Gareth Hynes (Oxford (Oxfordshire), United Kingdom)

- PA3457 Late Breaking Abstract - Lung function trajectories and determinants from birth to 6 years in an African birth cohort: Group-based multi-trajectory modelling**  
Diane Gray (Cape Town, South Africa), Anhar Ulla, Shaakira Chaya, Carvern Jacobs, Zoltan Hantos, Lesley Workman, Maresa Botha, Dan J Stein, Mark Nicol, Adnan Custovic, Heather J Zar
- 
- PA3458 Oscillometry and expiratory flow limitation in COPD and  $\alpha$ -1-antitrypsin deficiency (AATD)**  
Hanna Ovenholm (Malmö, Sweden), Hanan Tanash, Eeva Piitulainen, Jakob Löndahl, Sophia Frantz, Viktor Hamrefors, Per Wollmer
- 
- PA3459 Association of impaired lung function and objectively measured physical activity**  
Maria Lopmeri (Helsinki, Finland), Tiina Mattila, Kari Tokola, Tommi Vasankari, Tuija Jääskeläinen, Jouni Lahti, Tuula Vasankari
- 
- PA3460 The association of isolated small airways obstruction (SAO) with gas transfer and static lung volume measurements.**  
Ben Knox-Brown (Moulton, United Kingdom), Karl Sylvester
- 
- PA3461 Incidence of tidal expiratory flow limitation in lung transplant patients with and without chronic lung allograft dysfunction**  
Botond Sipos (Budapest, Hungary), Joyce Wu, Anne Fu, Zoltán Hantos, Chung-Wai Chow
- 
- PA3462 Late Breaking Abstract - Effects of a supervised 12-week high intensity interval training (HIIT) programme on lung tissue mass and diffusing capacity in COPD: A case-control study**  
Ronan Berg (, Denmark), Jacob Peter Hartmann, Stine Buus Nymand, Helene Louise Hartmeyer, Camilla Koch Ryrso, Amalie Bach Andersen, Milan Mohammad, Iben Elmerdahl Rasmussen, Rie Skovly Thomsen, Cody Garrett Durrer, Jann Mortensen, Ulrik Winning Iepsen
- 
- PA3463 The assessment of tidal expiratory flow limitation and small airways disease using forced oscillation technique during hospitalization for asthma attacks and recovery.**  
Paula Cristina Andrade Almeida (Aracaju (SE), Brazil), Mouaid Aljehani, Glenn Hearson, Tim W. Harrison, Matthew J Martin

- PA3464** **Response to a bronchodilator in oscillometry: time to avoid cutoff values?**  
Laura Graciela Gochicoa Rangel (Ciudad de México, Mexico), Selene Guerrero-Zúñiga, Gustavo Iván Centeno-Sáenz, Diana Montserrat Riego-Ramírez, Irlanda Alvarado-Amador, Luis Torre-Bouscoulet, Rosario Fernández-Plata, David Martínez-Briseño, Mario H. Vargas
- PA3465** **Low-grade systemic inflammation and peripheral airway function**  
Martin Färdig (Uppsala, Sweden), Suneela Zaigham, Gunnar Engström, Christer Jansson, Per Wollmer, Andrei Malinovski
- PA3466** **Impact of Asthma on sympathetic drive**  
Jens Spiesshoefer (Aachen, Germany), Binaya Regmi, Michael Dreher
- PA3467** **Structure-function in smokers : when a small airways test really reflects the small airways.**  
Sylvia Verbanck (Bruxelles, Belgium), Shane Hanon, Jef Vandemeulebroucke, Eef Vanderhelst, Manuel Paiva
- PA3468** **Use of FeNO testing in the assessment of cases of failure to provide breath specimens for alcohol analysis**  
Simon Quantrill (London, United Kingdom), Charles Green
- PA3469** **Title: The utility of spirometry in the detection of low total lung capacity in clinical populations**  
Chara ALEXIOU (CAMBRIDGE, Greece), Charikleia Alexiou, Benjamin Knox-Brown, Karl P. Sylvester
- PA3470** **Flexibility, cardiorespiratory, muscular and neuromuscular fitness in school age children with bronchopulmonary dysplasia: A longitudinal cohort study**  
Marina Praprotnik (Ljubljana, Slovenia), Irena Štucin Gantar, Gaja Setnikar Kimovec, Aleksandra Zver, Saša Šetina Šmid, Malena Aldeco, Paola Pascolo, Jasna Rodman Berlot, Uroš Krivec, Miha Lučovnik, Dušanka Lepej, Gregor Starc
- PA3471** **Immediate effects of body lateralization on pulmonary ventilation distribution and aeration in spontaneously breathing healthy individuals**  
Shirley Campos (Recife (PE), Brazil), Layane Santana Pereira Costa, Cyda M. A. Reinaux, Lucas R. S. Fraga, Pedro V. M. Porfirio, Taiwan R. Barbosa, Emanuel F. F. Silva Júnior, Marismar F. Nascimento, Armele Dornelas Andrade, Caio C. A. Morais
- PA3472** **Relationship between dynamic hyperinflation and lung function in adults with obesity: a cross-sectional study**  
Isabela Aziz (Niteroi, Brazil), Isabela Serpa, Carlos Eduardo Santos, Luis Felipe Reis, Sidney Da Silva, Iasmim Fonseca, Laura Pessoa, Hendyl Dos Anjoa, Paolo Villela, Agnaldo Lopes
- PA3473** **Segmental Ventilation Heterogeneity as a COPD Biomarker**  
Sarith Raju (Baltimore, United States), Shakir Hossen, Jason Kirkness, Tamas Otvos, Naresh Punjabi, Trishul Siddharthan
- PA3474** **Small airways dysfunction and “early” COPD due to alpha-1 antitrypsin deficiency**  
Ardak Zhumagaliyeva (Astana, Kazakhstan), James Stockley, Robert Stockley
- PA3476** **COPD without Basal Airflow Obstruction: Clinical, Anthropometric, and Functional Characteristics**  
Balsam Barkous (ARIANA, Tunisia), Wieme Ben Hmid, Sonia Rouatbi, Helmi Ben Saad

**PS-5** **Session 325** **12:30 - 14:00**

**Poster session: Advances in respiratory critical care**

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

**Method(s) :** General respiratory patient care Imaging Respiratory intensive care Epidemiology Transplantation Pulmonary rehabilitation

**Tag(s) :** Clinical

**Chairs :** Miquel Ferrer Monreal (Barcelona, Spain), Claudio Sorino (Fino Mornasco (COMO), Italy)

- PA3477** **Assessment of Pulmonary Function Testing and Lung Imaging in Long-Term Monitoring of Patients Recovering from COVID-19 Pneumonia**  
Abhisheka Kumar (Patna (Bihar), India)
- PA3478** **Risk factors and outcomes of pneumomediastinum in COVID-19**  
Claudio Sorino (Fino Mornasco (COMO), Italy), Stefano Negri, Emilia Mazzucca, Filippo Lococo, Michele Mondoni, Marcello Covino, Khrystyna Kuzmych, Sergio Agati, Marta Amata, Giuseppe Arcoleo, Luciano Gabbrielli, Roberta Pancani, Ersilia Tedeschi, Pierpaolo Baiamonte, Alessandro Sassu, Filippo Patrucco, Valentina Foci, Giampietro Marchetti, Federica Vernuccio, Erika Zanardi, Anna Talia Gaccione
- PA3479** **Correlation between SpO2/FiO2 (S/F) ratio and PaO2/FiO2 (P/F) ratio in different modes of ventilation in COVID 19 positive patients in a tertiary hospital in the Philippines**  
NIKKA CARLA GERONA-PACARDO (ILOILO CITY, Philippines), Lorelei Sirilan

- PA3480** **The Timing Dilemma: A Systematic Review and Meta-analysis of Short-Term Mortality in Patients With COVID-19 Undergoing Tracheostomy With Varied Definitions of Early, Including 7, 10, and 14 Days**  
Beong ki Kim (Ansan, Republic of Korea), Chi Young Kim
- PA3481** **Omadacycline for the Treatment of Severe Pneumonia Caused by Chlamydia psittaci Complicated with Acute Respiratory Distress Syndrome during the COVID-19 pandemic.**  
Wang Deng (Chongqing, China), Dao-Xin Wang, Ling-Xi Xiao, Xin-Yu Deng
- PA3482** **The study of endothelin-1 in venous and arterial blood in mechanically ventilated COVID-19 critically ill patients**  
Alice G. Vassiliou (Athens, Greece), Anastasia Roumpaki, Chrysi Keskinidou, Nikoloas Athanasiou, Stamatios Tsipilis, Edison Jahaj, Charikleia Vrettou, Vassiliki Giannopoulou, Asimina Chalioti, Georgios Ferentinos, Ioanna Dimopoulou, Anastasia Kotanidou, David Langleben, Stylianos E. Orfanos
- PA3483** **Nosocomial infections rate in an ICU COVID population compared to an ICU population admitted in the pre COVID era**  
Zeina Aoun-Bacha (Beyrouth, Lebanon), Georges Dabar, Sasha-Jane Abi Aad, Carine Harmouch, Hind Eid, Zeina Aoun
- PA3484** **Transformation of patients profile admitted to an Intermediate respiratory care unit (IRCU) from a tertiary hospital in Barcelona one-year after COVID-19 pandemic**  
Cristina Bellver (Barcelona, Spain), Sandra Elizabet Orozco Echeverría, David Rodríguez Plaza, Yolanda Ruiz Albert, Ester Cuevas Sales, Ana Córdoba Izquierdo, Eva Farrero Muñoz, Enric Prats Soro, Salud Santos Pérez, Mercè Gasa Galmes
- PA3485** **Late Breaking Abstract - Prevalence of new frailty and its associated factors in severe covid-19 survivors**  
Jung-Wan Yoo (Jinju, Republic of Korea), Sunghoon Park, Hye Ju Yeo, Woo Hyun Cho, Tae Hwa Kim, Su Hwan Lee, Onyu Park
- PA3486** **Comparison of vascular reactivity through infrared spectroscopy between critically ill patients with and without Covid-19 and healthy individuals**  
Ligia Roceto Ratti (Valinhos, Brazil), Luara Inocência Pereira Silva, Mariana Elias De Oliveira, Rodrigo Marques Tonella, Thays Roberta Pessoa De Freitas, Nathália De Vergueiro Affonso Santos, Bruna Scharlack Vian, Giovanni Grisotti Martins, Mônica Corso Pereira, Rickson Coelho Mesquita
- PA3487** **Outcomes of concomitant PJP and CMV infection in non-HIV, critically ill patients**  
Wei-Syun Hung (, Taiwan), Chun-Yu Lin, Horng-Chyuan Lin
- PA3488** **Outcomes of patients with interstitial lung disease admitted to ICU for acute respiratory failure**  
Ludovica Benuzzi (Florence, Italy), Roberta Ginanni, Gianni Misuri, Vittoria Mazziotti, Mariangela Cascio Mariana, Federico Lavorini
- PA3489** **ICU Mobility Scale as a predictor of hospital mortality in critically ill patients**  
Rodrigo Borges (São Paulo (SP), Brazil), Andrey Sousa, Cristiane Papacidero, Camila Botana, Vanessa Lima, Samantha Longhi, Mauricio Tobará, Renata Santos
- PA3490** **An analysis of the causes and outcome of patients with Hemoptysis in an ICU**  
Tanay Sinha (NAVI MUMBAI, India), Rosna Thomas, Harshita Mishra, Shivam Gurme, Jairaj Nair
- PA3491** **Thrombolytic Therapy in Intermediate High-Risk Pulmonary Embolism: Safety and Outcomes**  
Lilia Bouajina (Kairouan, Tunisia), Yosri Ben Ali, Ahmed Jamel, Houda Belkhiria, Dhouha Ben Braiek, Hend Zorgati, Oussama Saadaoui, Rahma Ben Jazia, Amani Kacem, Imen Kharrat, Rania Hidri, Anis Maatallah, Najah Ben Hlima, Jihene Ayachi
- PA3492** **The impact of severe lung cancer on survival of non-small cell lung cancer**  
Huixin Jiang (Guangzhou, China), Wenhui Guan, Chengzhi Zhou
- PA3493** **Correlation between respiratory parameters P0.1 and Pmus and clinical outcomes in patients under invasive mechanical ventilation**  
Ligia Roceto Ratti (Valinhos, Brazil), Lilian E. B. Delazari, Ádria Cristina Da Silva, Melissa Sabinelli, Larissa Olivato, Beatriz Bueno Dos Santos, Higor Luiz Marconi Montedioca, Emanuella Dos Santos, Luciana Castilho De Figueirêdo, Antonio Luis Eiras Falcão
- PA3494** **Cystatin C protects against primary graft dysfunction after lung transplantation.**  
Henu kumar verma (Munich, Germany), Aicha Jerdi, Salome R.T. Rehm, Carmela Morrone, Otmar Schmid, Thomas M Conlon, Matthias Hecker, Nikolaus Kneidinger, Dieter E. Jenne, Ali Önder Yildirim
- PA3495** **Effect of High-Flow Nasal Therapy on swallowing performance**  
Paola Conti (sant'agata li battiati (catania-sicily), Italy), Rita Chiaramonte, Antonio Alaimo, Santi Nolasco, Raffaele Campisi, Michele Vecchio, Carlo Vancheri, Claudia Crimi
- PA3496** **Epidemiology and Implications of Post-intensive Care Syndrome (PICS) in ICU Survivors**  
Raja Dhar (Kolkata (West Bengal), India), Aditya Satpati, Beauty Biswas, Shyam Krishnan, Arup Halder, Diptendu Dey, Amrita Bhattacharyya

## PS-6 Session 326 12:30 - 14:00

## Poster session: Tissue injury: insights into mechanisms and pathways

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

Method(s) : Endoscopy and interventional pulmonology Public health Pulmonary rehabilitation Cell and molecular biology

Tag(s) : Basic science, Translational

Chairs : Michael Gerckens (München, Germany), H. Irene Heijink (Groningen, Netherlands)

- PA3497 Small extracellular vesicles in bronchial secretions from mechanically ventilated patients: when to collect and where from?**  
Rodopi Stamatiou (LARISA, Greece), Vasiliki Tsolaki, Sharadkumar Kholia, Costanza Emanuelli, Demosthenes Makris
- 
- PA3498 Involvement of Micap-mediated mitochondrial quality control in regulating cellular senescence during COPD pathogenesis**  
Shun Inukai (tokyo, Japan), Saburo Ito, Saiko Nishioka, Sachi Matsubayashi, Yuta Hirano, Shota Fujimoto, Masahiro Yoshida, Yu Fujita, Daisuke Takekoshi, Shunsuke Minagawa, Hiromichi Hara, Jun Araya
- 
- PA3499 Effect of cellular stress and growth factors on COPD airway smooth muscle redox balance and glucose metabolism**  
Charalambos Michaeloudes (Nicosia, Cyprus), Kian Fan Chung, Pankaj K Bhavsar
- 
- PA3500 Unfolded protein responses disrupt mitochondrial homeostasis and damage epithelium in COPD pathogenesis**  
Wanheng Li (Beijing, China), Yiling Chen, Baicun Li, Ting Yang
- 
- PA3501 Caspase inhibition restored collagen I and fibronectin release in human lung fibroblasts exposed to cigarette smoke**  
Agnese La Mensa (Caltanissetta, Italy), Marco Buscetta, Maura Cimino, Maria Rita Giuffrè, Marta Cristaldi, Paola Dino, Roy Woldhuis, Fabio Bucchieri, Corry-Anke Brandsma, Chiara Cipollina
- 
- PA3502 Unveiling the Role of PTCH1 in Airway Epithelial Repair Mechanisms in COPD Pathogenesis**  
Zhoude Zheng (Beijing, China), Junchao Jiang, Qing Liu, Yushi Zhang, Yuhang Huang, Xingyao Tang, Ke Huang, Baicun Li, Ting Yang, Chen Wang
- 
- PA3503 Role of HSPA2 in CSE-Induced Apoptosis of BEAS-2B Cells**  
Jia Hou (Yinchuan, China), Jiale Zhao, Xinru Peng, Xia Wang, Zhijun Zhao, Juan Chen
- 
- PA3504 Identification of senescent-like cells in airway organoids using single cell sequencing**  
Christoph Beisswenger (Homburg (Saar), Germany), Michelle Brand, Felix Ritzmann, Kathrin Kattler, Daniela Yildiz
- 
- PA3505 N-acetylcysteine increases alpha-1 antitrypsin expression and secretion in a Z-AATD cell model**  
Francisco Jose Dasi Fernandez (Valencia, Spain), Paula Laguna-Lleonart, María Magallón, Lucía Bañuls, Silvia Castillo-Corullón
- 
- PA3506 Lipoxin A4 (LXA4) attenuates oxidative stress-mediated response through TLR4 modulation in Primary Bronchial Epithelial Cells (PBECS)**  
Rosalia Gagliardo (Palermo (PA), Italy), Caterina Di Sano, Giusy Daniela Albano, Angela Marina Montalbano, Maria Ferraro, Pascal Chanez, Francesca Rappa, Mirella Profita
- 
- PA3507 Gp130 triggers fibroblast activation and tracheal fibrosis via the YAP/ $\beta$ -catenin pathway**  
Mingyu Peng (Chongqing, China), Shuliang Guo
- 
- PA3508 The role and mechanism of TNALP in granulation tissue proliferation and fibrosis after tracheal injury.**  
zhiqiang liu (Chongqing, China)
- 
- PA3509 Type 2 inflammation mediates pulmonary vascular remodeling in a murine model of SSc-PAH**  
Christoph Tabeling (Berlin, Germany), Anna Birnhuber, Valentina Biasin, Pritesh P Jain, Ekaterina Boiarina, Jochen Wilhelm, Katharina Ahrens, Chandran Nagaraj, Andrea Olschewski, Martin Witzentrath, Leigh M Marsh, Grazyna Kwapiszewska
- 
- PA3510 Modeling COPD with a complex tubular model of distal airways integrating the epithelial and mesenchymal compartments**  
Katharina Raasch (Pessac, France), Elise Maurat, Pauline Henrot, Maeva Zysman, Matthieu Thumerel, Laetitia Andrique, Patrick Berger, Pierre Nassoy, Gaëlle Recher, Isabelle Dupin
- 
- PA3511 Biological profiles of nasal epithelium in long COVID**  
Nadia Baalbaki (Bennekom, Netherlands), Jelle M Blankestijn, Samuel W Kazer, Mahmoud I Abdel-Aziz, Harm Jan Bogaard, Merel E B Cornelissen, Cornelis M Van Drunen, Daniëlle Van Egmond, Esther J J De Groot, Jaclyn M Long, Esther J Nossent, Jose Ordovas-Montanes, Korneliusz Golebski, Anke H Maitland-Van Der Zee



- PA3512** **Effects of spray cryotherapy on cough receptors and airway microenvironment in a canine model of chronic bronchitis**  
long liang (Beijing, China)
- PA3513** **Efficient nebulization and pulmonary biodistribution of polymeric nanocarriers in an acute lung injury preclinical model**  
Aina Areny Balagueró (Sabadell, Spain), Anna Solé-Porta, Marta Camprubí-Rimblas, Daniel Closa, Antonio Artigas, Anna Roig
- PA3514** **Deciphering emphysema pathophysiology through an engineered 3D-lung organoid**  
Marina Guecamburu (Bordeaux, France), Arthur Pavot, Caroline Jeanniere, Yaniss Belaroussi, Matthieu Thumerel, Emma Samaniego, Hugues Begueret, Patrick Berger, Elise Maurat, Katharina Raasch, Vincent Studer, Pauline Henrot, Isabelle Dupin, Maéva Zysman
- PA3515** **Cultured alveolar basal cells differ in their transcriptome, but display similar characteristics and functional properties to airway basal cells**  
Katrin Esther Hostettler (Basel, Switzerland), Sabrina Blumer, Petra Khan, Julien Roux, Nataliia Artysch, Linda Plappert, Antje Prasse
- PA3516** **Bronchial cell pyroptosis promotes Th17 proliferation and activation in vitro**  
Dong Yao (Guilin, China), Biwen Mo, Shuyuan Chu

**PS-7** **Session 327** **12:30 - 14:00**

**Poster session: Mechanisms underlying asthma pathogenesis and management**

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

**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary function testing Imaging

**Tag(s) :** Translational

**Chairs :** Kornel Golebski (Amsterdam, Netherlands), Janna Nawroth (Munich, Germany)

- PA3517** **The new macrolide EP395 reduces airway eosinophilic inflammation.**  
Jennifer Kricker (Reykjavík, Iceland), Virginia Norris, Clive P. Page, Yanira Riffo-Vasquez, Michael J. Parnham
- PA3519** **Effect of anti-IL5R therapy on nasal epithelial cell permeability in severe eosinophilic asthma**  
Katie Raby (London, United Kingdom), Piers Dixey, Ali Versi, Nazanin Zounemat Kermani, Janice Koranteng, Kian Fan Chung, Pankaj Bhavsar
- PA3520** **Decreased desmoplakin expression on bronchial epithelial cells promotes eosinophil transmigration in asthma**  
Xin Yao (Nanjing (Jiangsu), China), Yingwei Ou, Xijing Yuan, Ian Adock
- PA3521** **Immunophenotype of airway eosinophils in severe eosinophilic asthma**  
Thomas Stoup (Lille, France), Arnaud Dendooven, Emilie Delaunay, Edouard Cuvillon, Stephane Esnault, Louison Jan, Xing Li, Victor Margelidon-Cozzolino, Jacques Trauet, Thibault Vanderhaegen, Guillaume Lefevre, Geoffrey Mortuaire, Cécile Chenivresse
- PA3522** **Clinical utility of sputum cell count in severe asthma**  
Sunera Khan (Birmingham, United Kingdom), Sharron Gilbey, Anita Cass, Heather Stephens, Jessica Shingler, Anilkumar Pillai, Adel Mansur
- PA3523** **Eosinophilic inflammation and purinergic signaling in asthma and COPD**  
Paula Camps Massa (Hospitalet de Llobregat, Spain), Mariana Muñoz-Esquerre, Marta López-Sánchez, Alfredo Marin-Muñiz, Javier Burgos-Lozano, Carmen Ardanuy, Sara Martí, Salud Santos
- PA3524** **Involvement of cellular senescence due to insufficient autophagy in the asthmatic inflammation in elderly.**  
Saiko Nishioka (Tokyo, Japan), Shunsuke Minagawa, Masahiro Yoshida, Shun Inukai, Sachi Matsubayashi, Yuta Hirano, Shota Fujimoto, Saburo Ito, Yu Fujita, Daisuke Takekoshi, Takanori Numata, Hiromichi Hara, Jun Araya
- PA3525** **IL-33 and TSLP differentially regulate airway inflammation and remodeling**  
Seblewongel Asrat (Tarrytown, United States), Subhashini Srivatsan, Brianna Buonagurio, Kirsten Nagashima, George Scott, Kaitlyn Gayvert, Wei Keat Lim, Dylan , Li-Hong Ben, Audrey Le Floc'H, Andrew Murphy, Matthew Sleeman, Jamie Orenge
- PA3526** **Soluble ST2 release from airway epithelial cells is suppressed by house dust mite and the miRNA-29 family**  
Jenny Calvén (Gothenburg, Sweden), Hiba Sayedali, Carina Malmhäll, Kristina Johansson, Madeleine Råding
- PA3527** **Single-cell proteomics and transcriptomics resolve the development of human and murine eosinophils and the impact of IL-5 neutralization on the expansion of their lineage**  
Christophe Desmet (Liège, Belgium), Joseph Jorssen, Glenn Van Hulst, Kiréna Mollers, Julien Pujol, Georgios Petrellis, Antonio Baptista, Sjoerd Schettters, Frédéric Baron, Jo Caers, Bart Lambrecht, Benjamin Dewals, Fabrice Bureau

- PA3528** **Effect of eotaxins and RANTES on blood eosinophil subtypes chemotaxis in allergic asthma**  
Airidas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasyle, Jolita Palacionyte, Inesa Jermalaviciene, Kestutis Malakauskas
- PA3529** **The Impact of Bronchial Allergen Challenge on Eosinophil Subtype-Specific miRNA and Their Target Gene Expression in Allergic Asthma**  
Egle Vasyle (Kaunas, Lithuania), Andrius Januskevicius, Airidas Rimkunas, Jolita Palacionyte, Inesa Jermalaviciene, Kestutis Malakauskas
- PA3530** **The effect of eosinophils on gene expression of ECM proteins, contractility and migration of ASMC and PF in asthma**  
Ieva Janulaityte (Kaunas, Lithuania), Airidas Rimkunas, Andrius Januskevicius, Virginija Kalinauskaite-Zukauske, Astra Vitkauskiene, Kestutis Malakauskas
- PA3531** **Mepolizumab depleted eosinophils exhibit reduced transmigratory capacity.**  
Katie Raby (London, United Kingdom), Janice Koranteng, Piers Dixey, Ian Adcock, Andrew Menzies-Gow, Kian Fan Chung, Pankaj Bhavsar
- PA3532** **Elucidating the Role of Macrophage GPX4 in Asthma Pathogenesis: A Single-Cell and Spatial Transcriptomic Study**  
LANLAN ZHANG (CHENGDU, China)
- PA3533** **Asthma patients with airway autoimmunity have an altered composition of immune cells in the airway wall**  
Lise Lotte Eriksen (Copenhagen NV, Denmark), Daisy Bornesund, Morten Hvidtfeldt, Asger Sverrild, Manali Mukherjee, Jonas S Erjefält, Celeste Porsbjerg
- PA3534** **PDGF promotes the interaction of nesprin-1 with NUP62 in human airway smooth muscle cells**  
Dale Tang (Albany, United States), Ruping Wang
- PA3535** **Interleukin-33 directly drives the expansion of myeloid cells and their progenitors in vivo**  
Rajita Pappu (South San Francisco, United States), Jeff Duggan
- PA3536** **Heterogeneous ILC responses in severe asthma patients undergoing anti-IL5/5Ra therapy**  
Kyle Mincham (London, United Kingdom), Lola Loewenthal, Garance Meyer, Martina Marfia, Minerva Garcia Martin, Pujan Patel, Clare Lloyd, Robert Snelgrove

**PS-8** **Session 328** **12:30 - 14:00**

**Poster session: Positive airway pressure treatment for sleep-disordered breathing: outcomes, adherence and side effects**

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

**Method(s) :** General respiratory patient care Physiology Pulmonary function testing Epidemiology Public health

**Tag(s) :** Clinical

**Chairs :** Athanasia Pataka (Thessaloniki, Greece), Matteo Bradicich (Zurich, Switzerland)

- PA3537** **Cardiovascular effects of CPAP withdrawal: an RCT post-hoc analysis using hypoxic burden**  
Matteo Bradicich (Zurich, Switzerland), Joël Julien Herzig, Michelle Mollet, Lara Benning, John Stradling, Malcolm Kohler, Esther Irene Schwarz
- PA3538** **EFFECT OF CPAP TREATMENT ON THE INCIDENCE OF HYPERTENSIVE CRISES IN OBSTRUCTIVE SLEEP APNEA PATIENTS**  
Sergio Mompeán Rodríguez (Valencia, Spain), Grace Jacqueline Oscullo Yepez, Marina Inglés Azorín, Rosalía Martínez Perez, Jose Gomez Olivas, Thais Beuperthuy Levy, Consuelo Lopez Fornas, Viviana Rocio Oscullo Yepez, Amina Bekki, Alberto García Ortega, Miguel Ángel Martínez García
- PA3539** **The association between the Effective Apnea-Hypopnea Index and Blood Pressure Reduction Efficacy Following CPAP/oxygen treatment**  
Ni Yuenan (Chengdu (Sichuan), China), Robert Thomas
- PA3540** **Aging reduces the impact of CPAP on sleepiness in OSA patients**  
Wojciech Trzepizur (Angers, France), Jérémie Riou, Nicole Meslier, Francois Goupil, Thierry Pigeanne, Jean-Louis Racineux, Frédéric Gagnadoux
- PA3541** **Effect of non-respiratory arousals on residual sleepiness in CPAP-treated OSA patients**  
Alexandros Kalkanis (Leuven, Belgium), Dimitrios Papadopoulos, Sofia Schiza, Holger Hein, Winfried Randerath, Jean-Louis Pepin, Ludger Grote, Dries Testelmans

- PA3542 Positive Airway Pressure (PAP) Use in Obstructive Sleep Apnoea (OSA) Patients with and without Insomnia**  
Jean-Louis Pépin (Grenoble, France), Anita Malik, Atul Malhotra, Kimberly Sterling, Caleb Woodford, Peter Cistulli, Kate Cole
- PA3543 Efficacy of CPAP therapy on pulmonary function test in patients with COPD-OSA overlap syndrome**  
Pitirat Panpruang (Nonthaburi, Thailand), Somprasong Liamsoambut, Visasiri Tantrakul, Prapaporn Pornsuriyasak, Naparat Amornputtisathaporn
- PA3544 IMPACT OF OBSTRUCTIVE SLEEP APNEA AND CPAP TREATMENT ON NEUROPSYCHOLOGICAL AND COGNITIVE FUNCTION**  
BELEN Muñoz Sánchez (Sevilla, Spain), M.I. Asensio-Cruz, P. Álvarez De Toledo, J.F. Martín-Rodríguez, F. Sanmartino, A. Rodríguez-Baena, L. Garrote-Espina, P. Mir, A. Sánchez-Armengol, C. Caballero Erasó
- PA3545 Continuous positive airway pressure compliance in patients with mild cognitive impairment**  
Raphaël Briand (Lille (Hauts-de-France), France), Olivier Le Rouzic, Stéphanie Fry, Cécile Chenivresse, Thibaud Lebouvier, Lanvin Lise
- PA3546 The effect of high-risk alcohol consumption measured by Audit-C tool, on continuous positive airway pressure (CPAP) compliance in obstructive sleep apnoea syndrome (OSAS)**  
John Seymour (Farnham (Surrey), United Kingdom), Iain Wheatley, Elizabeth Spillan Ind
- PA3547 Can nocturnal respiratory failure predict adherence to PAP therapy in patients with OSAS?**  
Sara Quaranta (Alessano, Italy), Laura Anna Sara Cuccaro, Iliaria Dei Lazzaretti, Sebastiano Spierto, Monica Amendolara, Massimo Casparrini, Valentina Di Lecce, Carla Santomasi, Andrea Portacci, Esterina Boniello, Luciana Labate, Giovanna Elisiana Carpanano
- PA3548 Prevalence and risk factors of low respiratory arousal threshold in patients with severe obstructive sleep apnea**  
Clara Bianquis (Saint-Prix, France), Maxime Patout, Margaux Blanchard, Abdel Kebir Sabil, Wojciech Trzepizur, François Goupil, Thierry Pigeanne, Sebastien Bailly, Frederic Gagnadoux
- PA3549 Impact of cloud-based monitoring system on remote support for newly initiated CPAP therapy**  
Ming Ren Toh (SINGAPORE, Singapore), Kathy Sock Khim Chan, Rui Ya Soh
- PA3550 Implementation of CPAP telemonitoring and pay for performance scheme in France translated in personalized homecare provider actions**  
Joëlle Texereau (Paris, France), Sébastien Bailly, Jean-Christian Borel, Kébir Sabil, Jean-Louis Pépin
- PA3551 Value-Based Healthcare implementation by homecare providers for chronic respiratory patients**  
Marie Lambert (Bagneux, France), Sarah Alami, David Rudilla, Imbault Lea, Roman Ana, Ricordeau Cariosa, Leonardi Jennifer
- PA3552 Long term efficiency of azelastine hydrochloride and fluticasone propionate nasal spray to improve PAP adherence in patients with obstructive sleep apnea.**  
Kasidit Wunganusorn (Prathumthani, Thailand), Chatkarin Tepwimonpetkun
- PA3553 What is the true prevalence of CPAP-related GI side effects in the UK?**  
Ceaf Aday (Rotherham, United Kingdom), Nabhan Zakir, Mohid Khan, Sajid Hussain, Janu Navaratnam, Ari Manuel, Sriram Iyer
- PA3554 Effect of adaptive servo-ventilation on cardiac repolarization in patients with myocardial infarction and sleep-disordered breathing**  
Michael Kohn (Regensburg, Germany), Stefan Stadler, Jan Pec, Aya Kassim, Michael Koller, Stefan Buchner, Michael Arzt, Christoph Fisser
- PA3555 Impact of sleep-disordered breathing and its treatment with ASV on left ventricular structure and function in heart failure**  
Shoichiro Yatsu (Toronto, Canada), Anna Woo, Christian M Horvath, Tomoyuki Tobushi, Alexander G Logan, John S Floras, T. Douglas Bradley
- PA3556 Pure Central Sleep Apnea: description of a case series at tertiary hospital in Portugal**  
Joana Catarina Neto Lourenço (Porto, Portugal), Sofia Sousa, Joana Borges, Margarida Redondo, Marta Drummond

PS-9 Session 329 12:30 - 14:00

## Poster session: Advances in biological therapy for asthma

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

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

Tag(s) : Clinical

Chairs : Vanessa M. McDonald (Newcastle (NSW), Australia), Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain)

- PA3557 Late Breaking Abstract - A Dose-Ranging Study of the Inhaled Dual PDE3/4 Inhibitor TQC3721 in COPD Patients**  
Weiguo Li (Nanjing, China), ZHU LUO, Ling Yang, Anqi Yang, Ding Yu, Weimin Li
- 
- PA3558 Pharmacokinetics of AZD8630/AMG 104 inhaled anti-TSLP in healthy adults and asthma patients**  
Sara Asimus (Möln dal, Sweden), Waqas Muhammad Sadiq, Jason Cooper, Davinder Dosanjh, Xiao-Hong Zhou, Hitesh Pandya, Michael Cushion, Valmira Podrimcaku, Jane Parnes, Lubna Abuqayyas, Nestor Molfino, Sarah Doffman
- 
- PA3559 Biomarkers and phenotyping: a holistic approach to asthma treatment with tezepelumab**  
David Jackson (London, United Kingdom), Guy Brusselle, Michael E Wechsler, Simon Couillard, J Christian Virchow, Jean-Pierre Llanos, Gillian Hunter, Stephanie L Roseti, Neil Martin, Ian D Pavord
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- PA3560 A comparison of T2 biomarker suppression with Tezepelumab in the real world and phase 3 NAVIGATOR study**  
Jessica Gates (London, United Kingdom), Faizan Haris, Linda Green, Jodie Lam, Mariana Fernandes, Louise Thomson, Cris Roxas, Grainne D'Ancona, Jaideep Dhariwal, Alexandra M. Nanzer, David J. Jackson
- 
- PA3561 Tezepelumab in eosinophilic granulomatosis with polyangiitis (EGPA)**  
Alexandra Nanzer (London, United Kingdom), Anne-Catherine Maynard-Paquette, Jessica Gates, Faizan Harris, Cris Roxas, Linda Green, Mariana Fernandes, Louise Thomson, Jodie Lam, Grainne D'Ancona, Claire Hopkins, Michelle Fernando, Tevfik Ismail, Jaideep Dhariwal, David Jackson
- 
- PA3562 Pharmacokinetics, pharmacodynamics and safety of tezepelumab in children with asthma**  
Anna Lundahl (Möln dal, Sweden), Jonathan Grigg, Gillian Hunter, Beata Pawlikowska, Cecil Chen, Jacob Leander, Michael Levin, Atul Gupta, James Paton, Katharine C Pike, Lubna Abuqayyas, Mickel Latchman, Stephanie L Roseti
- 
- PA3563 Can we trust the SOURCE ? Real world maintenance OCS reduction outcomes in complex severe asthmatics on Tezepelumab**  
Irene Berrar Torre (london, United Kingdom), Vincent Brennan, Rachel Stead, Ella Campbell, Edel Lawless, Ilie-Narcis Statescu, Pujan Patel
- 
- PA3564 ARRIVAL: a phase 3b study to assess potential for tezepelumab to reduce maintenance inhaled therapy and induce remission in patients with severe asthma**  
Elliot Israel (Boston, United States), Guy Brusselle, Arnaud Bourdin, J Christian Virchow, Ian D Pavord, David J Jackson, Andréanne Côté, Jean-Pierre Llanos, Kinga Sałapa, Nanna Keeling, Benjamin Emmanuel, Neda Stjepanovic, Neil Martin
- 
- PA3565 Effects of azithromycin in severe eosinophilic asthma with concomitant monoclonal antibody treatment**  
Gabriel Lavoie (MONTRÉAL, Canada), Imran Howell, James Melhorn, Catherine Borg, Laura Bermejo-Sanchez, Jack Seymour, Maisha Jabeen, Anastasia Fries, Gareth Hynes, Ian Pavord, Nayia Petousi, Timothy Hinks
- 
- PA3566 Vitamin D status and the response of anti- IL 5 drugs in severe asthma.**  
Alya Salman Aldoseri (Clonsilla, Dublin, Ireland), Isra Hussein, Suzanne Hegarty, Isalynne Delagua, Liam Cormican, John Faul
- 
- PA3567 The symptomatic benefit from asthma biologics is not sustained throughout the dosing schedule**  
Rahul Mittal (Southampton, United Kingdom), Ma Pantaleon, Chellan Eames, Sumita Kerley, Ciara Whitfield, Jodi McCreery, Peter Cook, Anna Freeman, Hans Michael Haitchi, Ramesh J Kurukulaaratchy, Paddy Dennison, Hitasha Rupani
- 
- PA3568 Efficacy comparisons of biologic therapies for asthma in adults: a real-life study**  
Dekel Shlomi (Tel-Aviv, Israel), Mor Pinkas, Nadav Pinkas, Shira Hazon, Noga Yossef, Kobi Cohen
- 
- PA3569 Effectiveness of switching to Dupilumab from other biologics therapy in patients with severe asthma.**  
Aureliano Ais-Daza (Cádiz, Spain), Angel Carmona-Gonzalez, Sofia Gutierrez-Hernandez, Raquel De Andres-David, Francisco Perez-Grimaldi, Gregorio Soto-Campos, Sergio Garcia-Morales, Aurelio V. Arnedillo Muñoz
- 
- PA3570 EVALUATION OF A CUT-OFF POINT IN THE FEOS SCORE FOR ASSESSING RESPONSE TO BIOLOGICS IN PATIENTS WITH SEVERE ASTHMA**  
Daniel Laorden (Madrid, Spain), David Romero, Maria Alejandra Castillo, Elena Villamañán, Itsaso Losantos, Javier Dominguez-Ortega, Santiago Quirce, Rodolfo Álvarez-Sala Walther
- 
- PA3571 Optimization of biological therapy in severe asthma**  
JOSE WILLIAM PULIDO (MEDELLIN, Colombia), Rosa Farfan, Alejandra Rendon, Juliana Madrigal, Jorge Ivan Estrada, Jose Miguel Abad
- 
- PA3572 Efectivity of dupilumab in patients with severa astma in real clinical practice using EXACTO score**  
Juan Manuel Diez Piña (Sevilla, Spain), Francisco Casas Maldonado, Francisco Javier Alvarez Gutiérrez, Alicia Padilla Galo, José Gregorio Soto Campos, Lorena Pinel Jiménez, Gerardo Pérez Chica, Ana Gómez-Bastero Fernández
- 
- PA3573 Bacterial lysate (BL) OM-85 reduces number and severity of respiratory tract infections (RTIs) in adults with allergic asthma: a RWE retrospective study**  
Antonios Christopoulos (Patras, Greece), Maria Elpida Christopoulou, Lilia Panteli

**PA3574** **Long-term effectiveness of initiating biologics on lung function in patients with severe uncontrolled asthma in the multi-biologics era: PROSPECT study**  
Kazuhiisa Asai (Osaka, Japan), Takashi Iwanaga, Mai Takahashi, Masahiro Eda, Yoshifumi Arita, Takehiro Hirai, Tadataka Yabuta, Naoyuki Makita, Yuji Tohda

**PA3575** **Clinical and molecular response to treatment with dupilumab in patients with severe type 2 asthma**  
Luka Kunej (Otočec, Slovenia), Saša Rink, Peter Korošec, Urška Bidovec-Stojković, Matevž Harlander, Sabina Škrat

## A1 Session 330 12:45 - 13:45

**Joint session: Bronchiectasis: entering a new era**  
a joint ERS / Industry session supported by Boehringer Ingelheim and Insmad

**Disease(s)** : Respiratory infections

**Tag(s)** : Clinical

**Chairs** : Natalie Lorent (Leuven, Belgium), Michal Shteinberg (Haifa, Israel)

**12:45** **Bronchiectasis year in review: treating inflammation** 3576  
James D. Chalmers (Dundee (Angus), United Kingdom)

**13:05** **Bronchiectasis year in review: treating infection** 3577  
Sanjay Haresh Chotirmall (Singapore, Singapore)

**13:25** **Discussion and Q&A** 3578  
All Speakers

## Strauss 1 Session 333 12:45 - 13:45

**Joint session: Inhaler technique: actually making a difference**  
a joint ERS / Industry session supported by AstraZeneca and Chiesi

**Aims** : To address the common obstacles respiratory physicians and allied health personnel face in successful therapy with inhaled drugs. What are the patients' perspectives on combining different inhalers, and how can we include them in our decision? How do we choose the most appropriate inhaler device and improve the inhaler technique? How can novel digital tools help us, and how can we incorporate them into our daily practice?

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

**Method(s)** : General respiratory patient care Public health Pulmonary rehabilitation

**Tag(s)** : Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Journalist

**Chairs** : Frans H.C. De Jongh (Enschede, Netherlands), Apostolos Bossios (Stockholm, Sweden)

**12:45** **Patient perspectives on inhalers choice: one-to-many** 3591  
Eddie Judd (London, United Kingdom)

**12:50** **Service-level strategies for choosing the right inhaler and implementing improved inhaler technique** 3592  
Omar S. Usmani (London, United Kingdom)

**13:05** **Digital strategies that can improve inhaler technique** 3593  
Amy Hai Yan Chan (Auckland, New Zealand)

**13:20** **Digital innovations for monitoring our patients within respiratory medicine** 3594  
Job F.M. van Boven (Groningen, Netherlands)

**13:35** **Discussion and Q&A** 3595  
All Speakers

## C4 Session 335 13:45 - 15:15

**State of the art session: Pulmonary vascular diseases**

**Comprehensive insights into pulmonary embolism: prevention, advances in diagnosis and risk stratification**

**Aims** : To introduce a novel and updated approach to risk stratification for pulmonary embolism (PE), exploring new tools and methodologies to more precisely and efficiently identify patients at higher risk; to explore and discuss the latest advances in the diagnosis of PE, covering new technologies, imaging methods and clinical approaches that enhance the accuracy and timeliness of diagnosis; to provide a detailed, evidence-based review of the diagnosis of PE and optimal prevention strategies for venous thromboembolism in pregnant women, considering both maternal and fetal safety; to analyse secondary prevention strategies for PE in cancer patients, examining therapeutic and prophylactic approaches that address the specific complexities of this patient population.



**Disease(s)** : Pulmonary vascular diseases Respiratory critical care Thoracic oncology**Method(s)** : Epidemiology General respiratory patient care Imaging**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Radiologist, Respiratory therapist, Journalist**Chairs** : Olivier Sitbon (Le Kremlin-Bicêtre, France), Luis Jara-Palomares (Sevilla, Spain), Judith Löffler-Ragg (Innsbruck, Austria)

13:45	<b>New approach to risk stratification of pulmonary embolism</b> David Jiménez Castro (Madrid, Spain)	3601
14:00	<b>Advances in the diagnosis of pulmonary embolism</b> Marc Righini (Genève, Switzerland)	3602
14:15	<b>Evidence-based diagnosis of pulmonary embolism and optimal prevention of venous thromboembolism in pregnancy</b> Saskia Middeldorp (Nijmegen, Netherlands)	3603
14:30	<b>Secondary prevention of pulmonary embolism in patients with cancer</b> Isabelle Mahé (Colombes, France)	3604
14:45	<b>Discussion and Q&amp;A</b> All Speakers	3605

**C2** Session 336 13:45 - 15:15**Journal session: Pulmonary highlights from the JAMA Network****Aims** : To provide information about adherence to continuous positive airway pressure (CPAP) and the risk of cardiovascular events in patients with obstructive sleep apnoea; to provide an update about the effect of a palliative telecare team on the quality of life of patients who have chronic obstructive pulmonary disease (COPD), heart failure and interstitial lung disease; to provide information about the association of airway-occluding mucus plugs and mortality in patients with COPD.**Disease(s)** : Airway diseases Interstitial lung diseases Sleep and breathing disorders**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training**Chairs** : Kristin Walter (Chicago, United States), Richard Costello (Dublin 9, Ireland)

13:45	<b>Adherence to continuous positive airway pressure and risk of cardiovascular events</b> Fernando Eduardo Barbe Illa (Lleida, Spain)	3606
14:00	<b>Effect of a nurse and social worker palliative telecare team versus usual care on quality of life of patients with COPD, heart failure and interstitial lung disease</b> David Au (Seattle, United States)	3607
14:15	<b>Airway-occluding mucus plugs and mortality in patients with COPD</b> Padma P. Manapragada (Birmingham, United States)	3608
14:30	<b>Discussion and Q&amp;A</b> All Speakers	3609

**C5** Session 337 13:45 - 15:15**State of the art session: Sleep and breathing disorders**  
**Latest treatment recommendations for sleep-disordered breathing****Aims** : To present latest findings of the new international guidelines and clinical trials on non-continuous positive airway pressure therapy for obstructive sleep apnoea and treatment of obesity hypoventilation syndrome; to present how the resulting treatment recommendations can be implemented in various settings will be presented alongside the latest findings on sleep-associated breathing disorders in patients with obstructive (chronic obstructive pulmonary disorder) and restrictive (obesity, neuromuscular and chest wall diseases and interstitial lung diseases) ventilation disorders; to discuss an evidence-based treatment strategy for obstructive sleep apnoea and sleep-disordered breathing in patients with respiratory disease in the age of phenotyping.

**Disease(s) :** Interstitial lung diseases Respiratory critical care Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs :** Matteo SICILIANO (ROMA, Italy), Maria Rosaria Bonsignore (Palermo, Italy), Esther Irene Schwarz (Zürich, Switzerland)

13:45	<b>Challenges and perspectives in the implementation of the ERS guidelines for non-continuous positive airway pressure treatments of obstructive sleep apnoea</b> Winfried J. Randerath (Solingen, Germany)	3610
14:00	<b>Current recommendations for the treatment of obesity hypoventilation syndrome</b> Jean-Louis Pépin (Grenoble, France)	3611
14:15	<b>Latest findings on the treatment of obstructive sleep apnoea in patients with COPD and interstitial lung disease</b> Sophia E. Schiza (Heraklion, Greece)	3612
14:30	<b>Latest findings on obstructive sleep apnoea and sleep-disordered breathing in neuromuscular and chest wall diseases</b> Dries Testelmans (Leuven, Belgium)	3613
14:45	<b>Discussion and Q&amp;A</b> All Speakers	3614

**C1** Session 338 13:45 - 15:15**Symposium: Functional lung imaging in respiratory diseases****Aims :** To review the state-of-the-art modalities and concepts used for lung functional imaging; to highlight the main applications of functional lung imaging in disorders such as asthma, chronic obstructive pulmonary disease, interstitial lung diseases, lung diseases of infancy and cystic fibrosis; to describe how lung functional imaging provides unique insight into disease processes, and allows early-phase disease detection and precise lung functional phenotyping, and when and how it may provide imaging endpoints or biomarkers to assess new therapeutic interventions.**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Imaging Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Respiratory therapist, Journalist**Chairs :** Sam Bayat (Grenoble, France), Elżbieta Magdalena Grabczak (Warszawa, Poland)

13:45	<b>New insight from functional lung imaging in asthma</b> Grace Parraga (London (ON), Canada)	3615
14:00	<b>Functional lung computed tomography of ventilation and perfusion in COPD</b> Dirk-Jan Slebos (Groningen, Netherlands)	3616
14:15	<b>Imaging lung perfusion in interstitial lung diseases</b> Helen Marshall (Sheffield (South Yorkshire), United Kingdom)	3617
14:30	<b>Lung functional MRI imaging in paediatric respiratory diseases</b> Jason Woods (Cincinnati, United States)	3618
14:45	<b>Discussion and Q&amp;A</b> All Speakers	3619

**C6** Session 339 13:45 - 15:15**Hot topics: The future of lung transplantation for cystic fibrosis****Aims :** To discuss how the landscape of therapies and lung transplantation in cystic fibrosis (CF) has changed in the last year, covering the marked drop in lung transplant referrals due to the introduction of CF transmembrane conductance regulator modulator therapies; the change in the phenotype of CF lung transplant candidates, who are now older, have more complex multi-drug-resistant colonisations and more severe extra-respiratory comorbidities and sometimes need multi-organ transplantation; challenges in post-transplant management including the use of modulator therapies after transplant; and the use of artificial intelligence in patient phenotyping.

**Disease(s)** : Paediatric respiratory diseases Respiratory critical care Respiratory infections**Method(s)** : General respiratory patient care Imaging Transplantation**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Respiratory critical care physician, Paediatrician, Patient, Radiologist, Thoracic surgeon, Respiratory therapist**Chairs** : Francesco Blasi (Milan, Italy), Peter Jaksch (wien, Austria), Dorina Rama Esendagli (Ankara, Turkey)

13:45	<b>Is cystic fibrosis still an indication for lung transplantation?</b> Clémence Martin (Paris, France)	3621
14:00	<b>Can machine learning help us phenotype cystic fibrosis and predict prognosis?</b> Tamara Vagg (Cork, Ireland)	3622
14:15	<b>Lung transplant in cystic fibrosis: current status and future challenges</b> Alberto Benazzo (Wien, Austria)	3623
14:30	<b>Lung transplant in cystic fibrosis: the role of integrated care and modulator therapies after lung transplantation</b> Christian Benden (Boston, United States)	3624
14:45	<b>Discussion and Q&amp;A</b> All Speakers	3625

## A2 Session 340 13:45 - 15:15

### Mini symposium: Basics and advances of respiratory physiology in acute and chronic respiratory failure

**Aims** : To discuss the basics and advances of respiratory physiology in the context of acute and chronic respiratory failure.**Disease(s)** : Respiratory critical care**Method(s)** : Respiratory intensive care**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist**Chairs** : Peter J. Wijkstra (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

13:45	<b>Pathophysiology of CO<sub>2</sub> in acute and chronic respiratory failure</b> Christian Karagiannidis (Cologne, Germany)	3626
14:00	<b>Pathophysiology of O<sub>2</sub> in respiratory failure: from oxygen targets to toxicity</b> Jens Gottlieb (Hannover, Germany)	3627
14:15	<b>Diaphragm dysfunction in acute and chronic respiratory failure</b> Annemijn Jonkman (Rotterdam, Netherlands)	3628
14:30	<b>Discussion and Q&amp;A</b> All Speakers	3629

## C3 Session 341 13:45 - 15:15

### Mini symposium: What you always wanted to know about spatial transcriptomics

#### Lung spatial transcriptomics

**Aims** : To introduce spatial transcriptomics; to showcase selected examples of how this methodology has been applied to lung research; to provide a forward-looking perspective of how these spatial data can be integrated with other data to provide unique insight into lung biology; to introduce the Lung Spatial Consortium to the wider community.**Disease(s)** : Airway diseases**Method(s)** : Cell and molecular biology Imaging Physiology General respiratory patient care**Tag(s)** : Translational , Congress theme: Humans and Machines: getting the balance right**Target audience** : Clinical researcher, Medical Student, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist**Chairs** : Silke Meiners (Sülfeld, Germany), Niki L. Reynaert (Maastricht, Netherlands), Ian Sayers (Nottingham, United Kingdom)

13:45	<b>Using spatial resolution to understand lung biology and disease</b> Francesca Polverino (Houston, United States)	3630
14:00	<b>Dissecting pulmonary fibrosis: novel insights from spatial profiling</b> David A. Schwartz (Aurora, United States)	3631
14:15	<b>A spatially resolved atlas of the human lung</b> Duy Pham (Cambridge, United Kingdom)	3632
14:30	<b>Discussion and Q&amp;A</b> All Speakers	3633

## Studio Session 344 14:00 - 14:45

### Congress theme: Use of artificial intelligence as a predictive modelling and diagnostic tool for COVID-19

**Aims :** To explain how artificial intelligence (AI) can analyse large datasets to identify risk factors for development and progression of long COVID, helping healthcare providers to anticipate and manage cases more effectively; to explain how AI-powered diagnostic tools can help identify long COVID symptoms and predict potential complications based on individual patient data, facilitating early intervention and personalised treatment plans.

**Disease(s) :** Airway diseases Respiratory infections

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

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

**Chairs :** Barbara Hoffmann (Düsseldorf, Germany), Judith Garcia-Aymerich (Barcelona, Spain)

14:00	<b>AI and machine learning for diagnosis and risk factor identification in long COVID</b> Om Prakash Kurmi (Coventry, United Kingdom)	3641
14:15	<b>Personalised diagnosis in complex diseases including long COVID using AI and machine learning</b> Sundeep Santosh Salvi (Pune (Maharashtra), India)	3642
14:30	<b>Discussion and Q&amp;A</b> All Speakers	3643

## A1 Session 345 14:15 - 15:30

### Oral presentation: Recent advances in biological treatments for asthma and chronic obstructive pulmonary disease

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

**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary function testing Physiology Imaging

**Tag(s) :** Clinical, Translational

**Chairs :** Florence Schleich (Liège, Belgium), Manali Mukherjee (Hamilton (ON), Canada)

OA3644	<b>Enhanced in vitro potency of depemokimab for interleukin-5 inhibition versus mepolizumab</b> David Jackson (London, United Kingdom), Parmjit Bahra, Karen Affleck, James Zangrilli, Peter Howarth, Tricia Finney-Hayward, Dave Singh
OA3645	<b>Reduction in exacerbations with itepekimab in former smokers with chronic obstructive pulmonary disease (COPD) by prior exacerbation frequency</b> Klaus F. Rabe (Kiel, Germany), Stephanie A Christenson, Arnaud Bourdin, Dave Singh, Nicola Hanania, Amy Praestgaard, Xavier Soler, Michel Djandji, Yamo Deniz, Paul J Rowe, Harry Sacks, Juby Jacob-Nara
OA3646	<b>A phase 2 study of SelK2 on sputum cell counts in COPD</b> Dave Singh (Manchester, United Kingdom), Alex Mulvanny, Naimat Khan, Russell Rother
OA3647	<b>Depemokimab PK/PD in the 52-week randomised double-blind multicentre Phase III SWIFT-1 trial</b> Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Stein Schalkwijk, Anders Thorsted, Nicholas Bird, Loretta Jacques, Stephanie Korn

- OA3649 Dupilumab reduces mucus plugging and volume: phase 4 VESTIGE trial**  
Celeste Michala Porsbjerg (Copenhagen, Denmark), Eleanor Dunican, Njira L Lugogo, Mario Castro, Alberto Papi, Nina Vibeke Backer, Christopher E Brightling, Arnaud Bourdin, Johann Christian Virchow, Mei Zhang, Xavier Soler, Paul J Rowe, Yamo Deniz, Lucía De Prado Gómez, Harry Sacks, Juby Jacob-Nara
- OA3650 Tezepelumab reduces the expression of MUC5AC in patients with asthma**  
Kristoffer L. Norheim (Copenhagen, Denmark), Juan José Nieto-Fontarigo, Morten Hvidtfeldt, Mandy Menzel, Jennifer Kerley, Jane Parnes, Jonas S. Erjefält, Lena Uller, Celeste Porsbjerg, Asger Sverrild
- OA3651 32-week data from a multiple ascending-dose study with verekitug, a novel antibody to the human TSLP receptor (TSLPR), in adults with asthma**  
Aaron Deykin (Needham Heights, United States), Aaron Deykin, Chaim M. Brinkman, Peter Lloyd, Ivan Nestorov, Ashish Kalra, Subhabrata Biswas, Arkadeep Sinha, Sumathi Sivapalasingam, Oren Becker, Dave Singh
- OA3652 Proof of Mechanism for an inhaled anti-TSLP fragment antibody, AZD8630/AMG104, in a phase 1 study in healthy adults and asthma patients**  
Ian C. Scott (Cambridge, United Kingdom), Kristina Kovacina, Mathias Cardner, Avni V. Ghandi, Jenny Tran, Sonia Terrillon, Kevin Gorski, Jason Cooper, Nick White, Sara Asimus, Waqas Sadiq, Davinder P.S. Dosanjh, Anton Rosenbaum, Jane R. Parnes, Nestor Molino, Zach Brohawn, Adam Platt, Steve Burns, Sarah Doffman
- OA3653 Safety and PK of KN-002 in subjects with moderate to severe asthma using ICS/LABA**  
Dave Singh (Manchester, United Kingdom), Christopher O'Brien, Frazer Morgan, Gary Burgess, Nolan Wood, Julie Young
- OA3654 Discussion and Q&A**  
All Speakers

A3

Session 346

14:15 - 15:30

**Oral presentation: Update in paediatric asthma**Disease(s) : **Airway diseases**

Method(s) : Physiology Pulmonary function testing Epidemiology Cell and molecular biology Public health

Tag(s) : Clinical, Translational

Chairs : Angela Zacharasiewicz (Wien, Austria), Carmen Cornelia Maria de Jong (Stettlen, Switzerland)

- OA3655 Late Breaking Abstract - Prediction of allergic disease trajectories up to adolescence**  
Marie Standl (Neuherberg, Germany), Miriam Leskien, Martin Scheerer, Elisabeth Thiering, Dietrich Berdel, Andrea Von Berg, Carl-Peter Bauer, Monika Gappa, Joachim Heinrich, Sibylle Koletzko, Tamara Schikowski, Annette Peters
- OA3656 Perinatal obesity is associated with asthma phenotype in children and with a shift of the epithelial DNA methylation clock towards premature epithelial aging**  
Tobias Trojan (Köln, Germany), Sonja Buchholz, Karosham Reddy, Christoph Thomassen, Samira Blau, Matthias V. Kopp, Thomas Bahmer, Anna-Maria Dittrich, Ruth Grychtol, Adan Jirno, Folke Brinkmann, Gesine Hansen, Bianca Schaub, Erika Von Mutius, Ernst Rietschel, Silke Van Koningsbruggen-Rietschel, Markus Weckmann, Miguel Alejandro Alcazar
- OA3657 LSC - 2024 - Fetal lung growth as a tool to predict the risk for respiratory infections and asthma early in life**  
Ioannis Belios (Hamburg, Germany), Dimitra Zazara, Olympia Giannou, Steven Schepanski, Mirja Pagenkemper, Anastasios Giannou, Maike Pincus, Stefan Bonn, Ania Muntau, Kurt Hecher, Anke Diemert, Petra Arck
- OA3658 Adipose tissue transcriptomics associate with 'obesity-related asthma'**  
Erick Forno (Indianapolis, United States), Laura Y Zhou, Molin Yue, Kristina M Gaietto, Yueh-Ying Han, Troy A Markel, Theresa W Guilbert, Michael A Helmuth, Stefan Scholz, Juan C Celedón, Wei Chen
- OA3659 The bronchodilator response in childhood asthma, a comparison of ATS/ERS and GINA criteria in a register-based cohort.**  
Jon Konradsen (Sollentuna, Sweden), Caroline Stridsman, Lowie Van Fleteren, Anna Asarnoj, Apostolos Bossios
- OA3660 Impact of ERS/ATS changes in bronchodilator reversibility calculations on paediatric asthma diagnosis**  
Natalie Blyth (Leicester, United Kingdom), Joe Madge, Erol Gaillard, David Lo
- OA3661 Adrenergic beta2-receptor genotype is associated with inhaled salbutamol response in young children with recurrent wheeze: randomised controlled trial**  
Akshat Kapur (Hove, United Kingdom), Philippine Eloy, Paul Seddon, Nicole Beydon, Stephen Bremner, Catherine Olden (deceased), Somnath Mukhopadhyay
- OA3662 ADRB2 genotype-guided treatment for childhood asthma: an individual patient data meta-analysis of the PACT and PUFFIN trial**  
Elise M.A. Slob (Amsterdam, Netherlands), Susanne J.H. Vijverberg, Lieke Noij, Somnath Mukhopadhyay, Tom Ruffles, Ron H.N. Van Schaik, Elin T.G. Kersten, Jos W.R. Twisk, Mariëlle W. Pijnenburg, Gerard H. Koppelman, Anke-Hilse Maitland-Van Der Zee



**OA3663 Validating Asthma Biomarkers in Children with Real-Time Breath Analysis**  
Srdjan Janni Micic (Zurich, Switzerland), Patricia Koch, Ronja Weber, Yvette Baumann, Nathan Perkins, Alexander Moeller

**OA3664 Nasal sphingolipids are decreased in children with asthma**  
Stefan Worgall (New York, United States), Zenna Solomon, Andrea Heras, Zoe Verzani, Gomi Rika, Tilla Worgall

**OA3665 Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 347

14:15 - 15:30

## Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

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

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

Tag(s) : Clinical

Chairs : William Man (Harefield, United Kingdom), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

**OA3667 The utility of the modified desaturation distance ratio (mDDR) as a predictor of mortality in interstitial lung disease.**  
Rodrigo Torres Castro (Barcelona, Spain), Xavier Alsina Restoy, Yolanda Torralba, Verónica Sierra, Pamela Kette, Fernanda Hernández, Joel Franchesqui, Nuria Albacar, Sandra Cuerpo, Nancy Pérez Rodas, Isabel Blanco, Jacobo Sellarés

**OA3668 Post-Hospital COVID-19 Rehabilitation (PHOSP-R): A randomised controlled trial**  
Enya Daynes (Leicester, United Kingdom), Molly M Baldwin, Neil J Greening, Louise V Wain, Amisha Singapuri, Chris E Brightling, Carlos Echevarria, Rachael A Evans, Ioannis Vogiatzis, Sally J Singh, . On Behalf Of The Phosp Consortium

**OA3669 Impact of omitting annual reviews for COPD on patient-reported care quality**  
Parris Williams (London, United Kingdom), Leena Bachir, Andrew Cumella, Keir Philip, Micheal Polkey, Anthony Laverty, Nicholas Hopkinson

**OA3670 Culturally adapted pulmonary rehabilitation for people with post-tuberculosis lung disease in Kyrgyzstan: a randomised controlled trial of clinical and cost-effectiveness**  
Azamat Akylbekov (Bishkek, Kyrgyzstan), Aijan Taalibekova, Mark W. Orme, Maamed Mademilov, Gulzada Mirzalieva, Jesse Matheson, Matthew Richardson, Andy Barton, Michael C. Steiner, Dominic Malcolm, Talant Sooronbaev, Sally J. Singh

**OA3671 Clinical and cost-effectiveness of pulmonary rehabilitation for people with post-tuberculosis lung disease in Uganda: a randomised controlled trial**  
Wincelous Katagira (Kampala, Uganda), Mark W. Orme, Richard Kasiita, Rupert Jones, Andy Barton, Jesse A. Matheson, Matthew Richardson, Michael Steiner, Bruce Kirenga, Sally J. Singh

**OA3672 The effect of pulmonary rehabilitation design on outcomes: a component network meta-analysis**  
Thomas Ward (Leicester, United Kingdom), Lorna Latimer, Enya Daynes, Suzanne Freeman, Muhammed Haris, Majda Bakali, Sarah Ward, Sophie Reap, Akash Mavilakandy, Aarinola Olaiya, Hnin Aung, Theresa Harvey-Dunstan, Sally Singh, Rachael Evans, Neil Greening, Michael Steiner, Alex Sutton

**OA3673 Integrating palliative care education in pulmonary rehabilitation - a feasibility study**  
Maria Aurora Pinto Mendes (Penafiel, Portugal), Daisy J A Janssen, Alda Marques

**OA3674 Association between SARC-F status and long-term physical function after COVID-19 hospitalisation**  
George Mills (Leicester, United Kingdom), Hamish Mcauley, William Man, Sally Singh, Betty Raman, Alex Horsley, Louise Wain, Janet Lord, Christopher Brightling, Rachael Evans, Neil Greening

**OA3675 Effect of a pulmonary rehabilitation (PR) programme on extracellular matrix (ECM) protein expression in vastus lateralis muscle in atrophic and non-atrophic COPD**  
Davina C M Simoes (Newcastle upon Tyne, United Kingdom), Efpraxia Kritikaki, Gerasimos Terzis, Ioannis Vogiatzis

**OA3676 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 348

14:15 - 15:30

## Oral presentation: Respiratory infection: from bench to bedside

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

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

Tag(s) : Translational

**Chairs :** Thomas Wilkinson (Southampton (Hampshire), United Kingdom), Lydia Finney (London, United Kingdom)

- OA3677 Late Breaking Abstract - Public health impact of adjuvanted RSVPreF3 vaccination of older adults in six Latin American countries**  
Adriana Guzman Holst (Wavre, Belgium), Ru Han, Desirée A. M. Van Oorschot, Otavio Cintra, Jorge A. Gomez
- 
- OA3678 Adjuvancy effects of a RIG-I agonist (RIG101) on H1N1 HA antigen intranasally vaccinated mice and human nasal epithelium/PBMCs co-culture**  
Shyreen Hassibi (London, United Kingdom), Leah Daly, Ian Knowles, Jag Shur, Garth Rapeport, Susan Sobolov, Kazuhiro Ito
- 
- OA3679 Molecular Mechanisms of DNase Inhibition of Early Biofilm Formation Pseudomonas aeruginosa or Staphylococcus aureus: A Transcriptome Analysis**  
Qin Jiaoxia (Nanning, China)
- 
- OA3680 Lung and gut microbiota are associated with long-term pulmonary function recovery after severe COVID-19: a 1-year follow-up study**  
Sabine Stadler (Lausanne, Switzerland), Luca Stickley, Eric Bernasconi, Seher Guney, Louis Mercier, Berra Erkosar, Manuela Funke-Chambour, Christophe Von Garnier, Niki Ubags
- 
- OA3681 Gut Eggerthella lenta aggravates chronic pulmonary infection through taurine ursodeoxycholic acid induced neutrophil dysfunction**  
Lele Wang (Shanghai, China), Xiyue Shen, Yingzhou Xie, Jinfu Xu
- 
- OA3682 Respiratory Infections Prediction via Wearable Sensors: A Machine Learning Approach**  
Yibing Chen (Beijing, China), Lu Cao, Guojing Han, Lixin Xie, Jing Li, Yuqi Cui
- 
- OA3683 Single-cell analysis of Mucosal Associated Invariant T cells in influenza A virus infection**  
Timothy Hinks (Oxford, United Kingdom), Yuqing Long, Xiawei Zhang, Theodoros Kapellos, Paul Klenerman
- 
- OA3684 Clinical effectiveness, safety and viral mutagenicity of oral favipiravir for COVID-19: Results from a phase II/III trial.**  
Kevin Blyth (Glasgow (Glasgow), United Kingdom), Matthew Tate, Lucy Paterson, Elaine McCartney, Helene Thygesen, Caroline Kelly, Rory Gunson, Janet T. Scott, Laura Divers, Laura Cunningham, Jon Perkins, Vanessa Silva, Poppy Holland, Christopher R.J. Illingworth, Sreenu Vattipally, Ana Da Silva Felipe, Emma C. Thomson, Michael E. Murphy, Gordon Macgregor
- 
- OA3685 Clinical characteristics of patients one year after hospitalisation for viral lower respiratory tract disease: A descriptive US claims analysis**  
Ekaterina Maslova (Reading, United Kingdom), Malin Fageras, Joanne Mcpeake, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Nadir Yehya
- 
- OA3686 CFTR modulator therapy does not alter breath profiles in cystic fibrosis**  
Elias Seidl (Zurich, Switzerland), Andrew Zikic, Rianne De Vries, Felix Ratjen, Hartmut Grasemann
- 
- OA3687 Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 349

14:15 - 15:30

## Oral presentation: Current concepts for physical activity and exercise in chronic lung disease

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

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

**Tag(s) :** Clinical

**Chairs :** Andre Nyberg (Umeå, Sweden), Deniz Inal-Ince (Ankara, Turkey)

- OA3688 Late Breaking Abstract - Activation of regenerative pathways by physical exercise in patients with chronic obstructive pulmonary disease**  
Linda Elowsson (Lund, Sweden), Ellen Tufvesson, Caroline Larsson, Anna Cederberg, Hugo Öhrneman, Lisa Karlsson, Bryan Falcones, Hamid Akbarshahi, Blagovesta Raditcheva, Anna Sikesjö, Emma Pettersson, Tate Van Bellen, Jaro Ankerst, Andreas Palm, Atia Batti, Birgitta Appelfeldt, Mona André, Guihong Cai, Magnus Svartengren, Jakob Löndahl, Andrei Malinowski, Leif Bjermer, Margareta Emtner, Christer Janson, Gunilla Westergren-Thorsson
- 
- OA3689 Minimal clinically important difference for time spent in moderate to vigorous physical activities in COPD after pulmonary rehabilitation**  
Patrícia Filipa Sobral Rebelo (Trancoso, Portugal), Guilherme Rodrigues, Cíntia Dias, Ana Sofia Grave, Maria Aurora Mendes, Dina Brooks, Alda Marques

- OA3690** **Physical activity levels in Danish adults with and without asthma - A national recurrent cross-sectional case-control study from 2010 to 2021.**  
Henrik Hansen (Dragør, Denmark), Nina Skavlan Godtfredsen, Jeanette Hansen, Charlotte Suppli Ulrik, Stig Mølsted
- OA3691** **Barriers and enablers to physical activity in ILD: patients' perspectives**  
Cátia Paixão (Aveiro, Portugal), Inês Gaspar, Jámille Faleiro, Pedro Gonçalo Ferreira, Dina Brooks, Alda Marques
- OA3692** **Prevalence of frailty and recovery of physical activity in patients after an AECOPD**  
Marieke Wuyts (Leuven, Belgium), Fien Hermans, Sofie Breuls, Astrid Blondeel, Stephanie Everaerts, Eric Derom, Heleen Demeyer, Wim Janssens, Thierry Troosters
- OA3693** **Short and medium-term effects of an online behaviour change intervention to promote physical activity in adults with asthma: a randomized controlled trial**  
Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Joice Mara Oliveira, Arielle Pedroso, Denner Ildemar Feitosa Melo, Marieta Cabral Amaral Cunha, Fabiano Francisco Lima, Thiago Sousa Matias, Manuela Karloh, Karina Couto Furlanetto
- OA3694** **Comparison of traditional and telerehabilitation based pulmonary rehabilitation program gains in fibrosing interstitial lung patients**  
Zeynep Betül ÖZCAN (İstanbul, Turkey), Esra Pehlivan, Erdoğan Çetinkaya, Fulya Senem Karaahmetoğlu, Kürşad Nuri Baydili, Barış Demirkol, Halit Çınarka, Ramazan Eren
- OA3695** **The impact of oxygen saturation on functional performance in patients with COPD on long-term oxygen therapy – a randomized crossover trial**  
Linette Marie Kofod (Jyllinge, Denmark), Ejvind Frausing Hansen, Barbara Cristina Brocki, Morten Tange Kristensen, Nassim Roberts, Elisabeth Westerdahl
- OA3696** **The effects of upper-extremity high-intensity interval exercise training on upper extremity functional exercise capacity dyspnea and quality of life in patients with interstitial lung diseases: a pilot study**  
Nazire Nur Yıldız (Niğde, Turkey), Meral Boşnak Güçlü, Riad Bejta, Nilgün Yılmaz Demirci
- OA3697** **Prognostic value of the 6-minute-walk-test derived attributes in patients with IPF**  
Ada E.M. Bloem (Utrecht, Netherlands), Hanneke M. Dolk, Annelies E. Wind, Joanne J. Vis, Van Der, Maarten J. Kampen, Jan W.H. Custers, Martijn A. Spruit, Marcel Velkamp
- OA3698** **Discussion and Q&A**  
All Speakers

## Stolz 1 Session 351 14:30 - 16:50

### Skills workshop: SW9 SW9 - Interpretation of cardiopulmonary exercise tests - € Additional registration is required for this session.

**Aims :** Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing - To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing and to develop new skills and expertise to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. To develop skills in the correct assessment of breathlessness and dynamic hyperinflation.

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

**Chairs :** James H. Hull (London, United Kingdom)

- |              |  |             |
|--------------|--|-------------|
| <b>14:30</b> | <b>Assessing breathlessness</b><br>J. Alberto Neder (Kingston (ON), Canada)  | <b>3700</b> |
| <b>14:30</b> | <b>Breathing pattern and dynamic hyperinflation interpretation</b><br>Paolo Palange (Rome, Italy)  | <b>3701</b> |
| <b>14:30</b> | <b>Ventilatory efficiency and gas exchange</b><br>Afroditi Boutou (Thessaloniki, Greece)   | <b>3702</b> |
| <b>14:30</b> | <b>Dynamic hyperinflation and other respiratory measurements – live DEMO</b><br>Paolo Onorati (Alghero (SS), Italy), Michele Schaeffer (Vancouver, Canada) | <b>3703</b> |

## Stolz 2 Session 352 14:30 - 16:50

### Skills workshop: SW12 SW12 - Practicalities of spirometry & whole-body plethysmography - € Additional registration is required for this session.

**Aims :** This skills workshop will help attendees gain the technical expertise needed to perform spirometry and whole body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole body plethysmography; 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

**Chairs :** Rachel Ong-Salvador (Amsterdam, Netherlands)

14:30	<b>Performing Spirometry</b> Monika Franczuk (Warszawa, Poland)	3704
14:30	<b>Standardised static lung volume measurement using whole body plethysmography</b> Kevin De Soomer (Edegem, Belgium)	3705
14:30	<b>Measurement of airway resistance and resistance volume loops using whole body plethysmography</b> Frans H.C. De Jongh (Enschede, Netherlands)	3706
14:30	<b>Reporting and interpretation of case studies</b> Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)	3707

## Studio Session 354 15:15 - 16:05

### Skills lab: Imaging in interstitial lung diseases

**Aims :** To teach skills in high-resolution computed tomography reading, covering the appropriate technique of thin-section computed tomography for interstitial lung diseases and the interpretation of radiological patterns. Teaching will include cases presented in an interactive way.

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Patient, Radiologist

**Chairs :** Nazia Chaudhuri (Limavady, United Kingdom), Ádám Domonkos Tárnoki (Budapest, Hungary)

15:15	<b>Introduction</b> All Speakers	3709
15:20	<b>High-resolution computed tomography reading</b> Claus Peter Heussel (Heidelberg, Germany)	3710
15:50	<b>Discussion and Q&amp;A</b> All Speakers	3711

## C4 Session 355 15:30 - 17:00

### Clinical cases: Lungs on fire: pulmonary vascular diseases?

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

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

**Tag(s) :** Clinical

**Chairs :** Olivier Sitbon (Le Kremlin-Bicêtre, France), Judith Löffler-Ragg (Innsbruck, Austria), Silvia Ulrich (Zurich, Switzerland)

**Discussants :** Marion Delcroix (Leuven, Belgium), Gabor Kovacs (Graz, Austria)

15:30	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: V. Mirra (Italy)</b> Marion Delcroix (Leuven, Belgium)	3712
15:52	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: S. Wickramasinghe (Sri Lanka)</b> Gabor Kovacs (Graz, Austria)	3713
16:14	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: S. Salim (India)</b> Marion Delcroix (Leuven, Belgium)	3714
16:36	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: F. Urbani (Italy)</b> Gabor Kovacs (Graz, Austria)	3715

C2

Session 356

15:30 - 17:00

**Clinical trials session: ALERT 2: Fighting the burden of asthma and respiratory symptoms**

**Aims :** The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.

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

**Method(s) :** Pulmonary rehabilitation General respiratory patient care Palliative care

**Tag(s) :** Clinical

**Chairs :** Kristin Walter (Chicago, United States), Richard Costello (Dublin 9, Ireland)

**Discussants :** Arnaud Bourdin (Montpellier Cedex 5, France), Anne Holland (Fitzroy North (VIC), Australia)

**RCT3716** **RCT Abstract - Treating eosinophilic exacerbations of asthma and COPD with benralizumab: a double-blind, double-dummy, active-placebo randomised controlled trial (ABRA)**  
Mona Bafadhel (London, United Kingdom), Sanjay Ramakrishnan, Richard Russell, Hafiz Mahmood, Karolina Krassowska, James Melhorn, Christine Mwasuku, Ian Pavord, Laura Bermejo-Sanchez, Imran Howell, Mahdi Mahdi, Stefan Peterson, Thomas Bengtsson

**RCT3717** **RCT Abstract - At-Risk Registers Integrated into primary care to Stop Asthma crises in the UK**  
Andrew Wilson (Norwich (Norfolk), United Kingdom), Stanley Musgrave, Polly-Anna Ashford, Mike Noble, Jane Smith, Allan Clark, Susan Stirling, Aziz Sheikh, Hilary Pinnock, David Price

**RCT3718** **Late Breaking Abstract - Depemokimab efficacy/safety in patients with asthma on medium/high-dose ICS: The Phase IIIA randomised SWIFT-1/2 studies**  
David Jackson (London, United Kingdom), Michael E. Wechsler, Daniel J. Jackson, Stephanie Korn, David Bernstein, Paul E. Pfeffer, Gustavo De Luíz Martinez, Ruchong Chen, Junpei Saito, Loretta Jacques, Nicholas Bird, Stein Schalkwijk, Douglas Smith, Ian D. Pavord

**RCT3719** **Late Breaking Abstract - Clinical remission with dupilumab in children with uncontrolled, moderate-to-severe, type 2 asthma**  
Leonard Bacharier (Nashville, United States), Theresa W. Guilbert, Jorge F. Maspero, Monika Gappa, Sharon Dell, Arman Altincatal, Olivier Ledanois, Rebecca Gall, Harry Sacks, Juby A. Jacob-Nara, Yamo Deniz, Paul J. Rowe

**RCT3720** **Wrap-up by discussant and discussion**  
Arnaud Bourdin (Montpellier Cedex 5, France)

**RCT3721** **RCT Abstract - Mirtazapine to alleviate severe breathlessness in patients with COPD or ILD: an international, multicentre, double-blind, randomised, placebo-controlled, phase 3 mixed-method trial (BETTER-B).**  
Irene Higginson (London, United Kingdom), Sarah T Brown, Adejoke O Oluyase, Peter May, Matthew Maddocks, Massimo Costantini, Sabrina Bajwah, Charles Normand, Claudia Bausewein, Steffen T Simon, Karen Ryan, David C Currow, Miriam J Johnson, Simon P Hart, Hannah Mather, Malgorzata Krajnik, Silvia Tanzi, Luca Ghirotto, Charlotte E Bolton, Piotr Janowiak, Elena Turola, Caroline J Jolley, Andrew Wilcock, Geraldine Murden, Bobbie Farsides, Julia M Brown, Better-B Consortium

**RCT3722** **Late Breaking Abstract - Symptom-based rehabilitation (REHAB) vs. usual care in people with post COVID-19 condition – the Reload trial: a randomized controlled trial (RCT)**  
Tessa Schneeberger (Schönau am Königssee, Germany), Inga Jarosch, Daniela Leitl, Rainer Gloeckl, Bernhard Ulm, Clancy John Dennis, Andreas Rembert Koczulla

**RCT3723** **Wrap-up by discussant and discussion**  
Anne Holland (Fitzroy North (VIC), Australia)

**RCT3724** **Closing remarks**  
All Speakers

C5

Session 357

15:30 - 17:00

**Hot topics: Metabolic changes in chronic lung disease**

**Aims :** To inform the audience about the most recent findings regarding lipid metabolism and metabolic changes/obesity and their impact on the course of lung diseases including asthma, chronic obstructive pulmonary disease and acute respiratory distress syndrome, with a focus on clinical/observational studies as well as experimental models.

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

**Method(s) :** Cell and molecular biology Epidemiology Physiology

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Patient, Scientist (basic, translational)



**Chairs :** Esther Irene Schwarz (Zürich, Switzerland), Maria Rosaria Bonsignore (Palermo, Italy), Matteo SICILIANO (ROMA, Italy)

<b>15:30</b>	<b>Patient perspective</b> Ron Flewett (Lincoln, United Kingdom), Steve Jones (Cambridge, United Kingdom)	<b>3725</b>
<b>15:35</b>	<b>Lipid metabolism in lung health and disease</b> Ross Summer (Philadelphia, United States)	<b>3726</b>
<b>15:50</b>	<b>Obesity paradox in hypoxia: proteome data from an experimental model of pulmonary hypertension</b> Julia Schipke (Hannover, Germany)	<b>3727</b>
<b>16:05</b>	<b>Lipidomic profiling in the airways and association with obesity</b> James Schofield (Southampton (Hampshire), United Kingdom)	<b>3728</b>
<b>16:20</b>	<b>Obesity in acute respiratory distress syndrome: friend or foe?</b> Lieuwe D.J. Bos (Amsterdam, Netherlands)	<b>3729</b>
<b>16:35</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>3730</b>

## C1 Session 358 15:30 - 17:00

### Symposium: Running against time: early diagnosis and treatment of pleural infection

#### Optimal management of pleural infection in both high- and low-middle-income countries

**Aims :** To explain the impact of delay in pleural infection treatment; to describe the optimal treatment of pleural infection; to explain the utility of ultrasound to manage pleural infection; to describe how to diagnose treatment failure in pleural infection and its risk factors; to describe salvage treatment if standard treatment fails.

**Disease(s) :** Respiratory infections

**Method(s) :** Endoscopy and interventional pulmonology Epidemiology Imaging

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Respiratory critical care physician, Physician in Pulmonary Training, Thoracic surgeon

**Chairs :** Sam Bayat (Grenoble, France), Elżbieta Magdalena Grabczak (Warszawa, Poland)

<b>15:30</b>	<b>Patient's perspective</b> Nick Totterdell (Sheffield, United Kingdom)	<b>3731</b>
<b>15:35</b>	<b>Early diagnosis of pleural infection and impact on hospitalisation and survival</b> Søren Helbo Skaarup (Aarhus C, Denmark)	<b>3732</b>
<b>15:50</b>	<b>Early management of pleural infection</b> Eva Polverino (Barcelona, Spain)	<b>3733</b>
<b>16:05</b>	<b>Early detection and management of treatment failure of pleural infection</b> Eihab Bedawi (Sheffield, United Kingdom)	<b>3734</b>
<b>16:20</b>	<b>Pleural infection in low-to-middle-income countries</b> Jane Shaw (Cape Town (Cape), South Africa)	<b>3735</b>
<b>16:35</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>3736</b>

## C6 Session 359 15:30 - 17:00

### Hot topics: Lost in translation: bronchiectasis from childhood to adult age. Where are we now?

#### Bronchiectasis as a lifelong disease and transition between ages

**Aims :** To convene paediatricians and adult physicians working in the field to identify the most relevant common points, differences and knowledge gaps about disease biology, clinical presentation and management at different stages of life; to review transition protocols already established for other respiratory diseases and to identify elements applicable to bronchiectasis; to compare real-life transition experiences between different geographic contexts; to facilitate the creation of working groups focusing on clinical and translational studies of the evolution of bronchiectasis with paediatric onset, especially during adolescence. The key findings emerging from the discussion could be collected to write a report/expert consensus.

**Disease(s)** : Paediatric respiratory diseases Respiratory infections**Method(s)** : General respiratory patient care Public health**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Paediatrician, Patient, Respiratory physiotherapist**Chairs** : Peter Jaksch (wien, Austria), Francesco Blasi (Milan, Italy), Dorina Rama Esendagli (Ankara, Turkey)

15:30	<b>A lifelong story: what do we know about bronchiectasis evolution through ages</b> Laura Garriga Grimau (Barcelona, Spain)	3737
15:45	<b>Not just a smaller lung: peculiarities of the airways in adolescence</b> Ahmad Kantar (Bergamo (BG), Italy)	3738
16:00	<b>Implementing a transition program in bronchiectasis: where to start from, lessons from other respiratory diseases and building a multidisciplinary team</b> Anne Chang (Brisbane (QLD), Australia)	3739
16:15	<b>Patient perspectives and expectations throughout life with bronchiectasis</b> Michal Shteinberg (Haifa, Israel)	3740
16:30	<b>Discussion and Q&amp;A</b> All Speakers	3741

## A2 Session 360 15:30 - 17:00

### Mini symposium: Telerehabilitation for chronic respiratory diseases

**Aims** : To provide an overview of the existing evidence base and how telerehabilitation models, particularly those that use more advanced digital technologies, could help to address current healthcare needs; to explain the evidence of the clinical effectiveness of telerehabilitation versus unsupervised and face-to-face pulmonary rehabilitation; to provide insight into the advantages and disadvantages of telerehabilitation, as well as the barriers and facilitators to clinical implementation; to describe practical approaches for implementing successful telerehabilitation programmes; to provide directions for future research.

**Disease(s)** : Airway diseases Paediatric respiratory diseases Respiratory critical care**Method(s)** : General respiratory patient care Pulmonary rehabilitation**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Respiratory therapist**Chairs** : Peter J. Wijkstra (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

15:30	<b>Telerehabilitation for chronic respiratory diseases: the global picture</b> Emily Hume (Newcastle Upon Tyne, United Kingdom)	3742
15:45	<b>Telerehabilitation for chronic respiratory diseases: an approach by disease</b> Narelle Cox (Melbourne (VIC), Australia)	3743
16:00	<b>Implementing a successful telerehabilitation programme: practical tips in COPD</b> Henrik Hansen (Dragør, Denmark)	3744
16:15	<b>Discussion and Q&amp;A</b> All Speakers	3745

## C3 Session 361 15:30 - 17:00

### Symposium: Development of chronic lung diseases: from life-spanning mechanisms to preventive therapy

#### Lung Science Conference special session

**Aims** : To provide highlights of the Lung Science Conference 2024, which took place in Estoril in March this year and focused on the life-spanning pathomechanisms of chronic lung diseases that start early in childhood and progress rapidly in the aging population. An in-depth understanding of chronic lung disease trajectories will enable early detection of disease and development of preventive therapies to better treat patients affected by chronic respiratory diseases.

**Disease(s)** : Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s)** : Cell and molecular biology Epidemiology Pulmonary function testing**Tag(s)** : Translational**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Patient, Scientist (basic, translational)**Chairs** : Silke Meiners (Sülfeld, Germany), Niki L. Reynaert (Maastricht, Netherlands), Ian Sayers (Nottingham, United Kingdom)

15:30	<b>Epidemiological prediction of the incidence of chronic lung diseases</b> Shyamali Dharmage (Carlton Victoria, Australia)	3747
15:45	<b>COPD, biomarkers and lung function trajectories</b> Rosa Faner Canet (Barcelona, Spain)	3748
16:00	<b>Epigenetic deregulation in AT2 cells impairs alveolar regeneration in COPD</b> Renata Jurkowska (Cardiff (Wales), United Kingdom)	3749
16:15	<b>Modeling trajectories of severe early-onset COPD using human induced pluripotent stem cells (iPSC)</b> Engi Ahmed (Montpellier, France)	3750
16:30	<b>Discussion and Q&amp;A</b> All Speakers	3751

**A1** Session 364 15:45 - 17:00**Symposium: Early career member session****Aims** : To discuss key aspects for career development in respiratory medicine. The topics were selected based on the priority topics identified by the Early Career Member Committee. The speakers were selected based on their successful involvement with the European Respiratory Society and evidence of skills tailored to the topic of the session.**Tag(s)** : Translational**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist**Chairs** : Thomas Gille (Bobigny, France), Mona Lichtblau (Zürich, Switzerland)

15:45	<b>The right indicators to evaluate research</b> Clara Locher (Rennes, France)	3755
16:00	<b>Improving inclusivity in respiratory research and medicine</b> Pilar Rivera Ortega (Manchester, United Kingdom)	3756
16:15	<b>Mina Gaga Lecture</b> Job F.M. van Boven (Groningen, Netherlands)	3757
16:30	<b>Early career member opportunities and how to get involved with ERS</b> Sara Cuevas Ocaña (Nottingham, United Kingdom)	3758
16:45	<b>Discussion and Q&amp;A</b> All Speakers	3759

**A3** Session 365 15:45 - 17:00**Oral presentation: Clinical and biological outcomes in asthma****Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : Epidemiology Cell and molecular biology General respiratory patient care Public health**Tag(s)** : Clinical**Chairs** : Tania Maes (Ghent, Belgium), Florence Schleich (Liège, Belgium)

OA3760	<b>Late Breaking Abstract - Salivary metabolites profiling for diagnosis of COPD</b> Tao Fan (Chengdu (Sichuan), China), Yan Lv, Zhe-Rong Zhang
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- OA3761** **Multivariable prognostic relations of asthma attack risk factors in the ORACLE patient-level meta-analysis**  
Fleur L. Meulmeester (Leiden, Netherlands), Carlos A. Celis-Preciado, Sanjay Ramakrishnan, Guy Brusselle, Jonathan Corren, Jo Hardy, Sarah E. Diver, Christopher E. Brightling, Mario Castro, Nicola A. Hanania, Michael E. Wechsler, David J. Jackson, Neil Martin, Deborah Clarke, Annette Laugerud, Emilio Santoro, Chris Compton, Megan E. Hardin, Cecile T.J. Holweg, Xavier Jaumont, Timothy S.C. Hinks, Richard W. Beasley, Jacob K. Sont, Ewout W. Steyerberg, Ian D. Pavord, Simon Couillard
- OA3762** **An Observational and Translational Pilot Study Phenotyping the Responses to Systemic Corticosteroids in the Management Asthma Attacks (PRISMA): interim translational results.**  
Carlos Andrés Celis Preciado (Bogotá (Cundinamarca), Colombia), Simon Leclerc, Martine Duval, Dominic Cliche, Félix-Antoine Vézina, Pierre Larivée, Samuel Lemaire-Paquette, Simon Lévesque, Philippe Lachapelle, Simon Couillard
- OA3763** **Dose-dependent association between inhaled corticosteroids and risk of corticosteroid related adverse events in asthma**  
Anna von Bülow (Vedbæk, Denmark), Susanne Hansen, Patrik Sandin, Olivia Ernstsson, Alexandra Cooper, Kirk Geale, Lauri Lehtimäki, Charlotte Ulrik, Bernt Bøgvold Aarli, Pinja Ilmarinen, Sylvia Packham, Ghada Hassan, Vibeke Backer, Alan Altraja, Helena Backman, Paula Kauppi, Asger Sverrild, Valentyna Yasinska, Maritta Kilpeläinen, Arja Viinanen, Jussi Karjalainen, Apostolos Bossios Bossios, Celeste Porsbjerg, Christer Janson, Hannu Kankaanranta
- OA3764** **Nasal sampling identifies disease-relevant signals in a real-world airways disease cohort**  
Adnan Azim (Bournemouth (Dorset), United Kingdom), Arun Jayaraman, Zhi Liu, Gary Anderson, Philip Z Brohawn, Stephanie A Christenson, Greet De Baets, Rosa Faner, Rod Hughes, Hana Müllerová, Daniel Muthas, Lisa Öberg, Kristoffer Ostridge, Adam Platt, Ian C Scott, Maarten Van Den Berge, - For The Novelty Scientific Community And The Novelty Study Investigators
- OA3765** **Follow-up of airway inflammation of asthmatic patients using an Artificial Intelligence driven sputum cell count and classification**  
Adeline Rosu (Liège, Belgium), Adrien Onssels, Noémie Bricmont, Romane Bonhiver, Sara Gerday, Romain Mormont, Juliette Ponnet, France Regnier, Monique Henquet, Virginie Paulus, Françoise Guissard, Florence N Schleich, Renaud Louis, Catherine Moermans
- OA3766** **The Asthma Control Test as a predictive tool for hospitalization and death**  
Johanna Karlsson Sundbaum (Luleå, Sweden), Stina Selberg, Lowiee.G.W Vanfleteren, Apostoloss Bossios, Jon R. Konradsen, Caroline Stridsman
- OA3767** **Excess SABA prescribing in respiratory patients and social deprivation in general practice: A study of 4 million patients**  
Michael Crooks (East Riding of Yorkshire, United Kingdom), Heath Heatley, Katherine Hickman, Joan B Soriano, David Price
- OA3768** **Clinical outcome of mild to very-mild asthma with high sputum eosinophils: a prospective longitudinal study.**  
Andréanne Côté (Quebec, Canada), Marie-Eve Boulay, Philippe Marineau, Suzanne Beaudin, Maral Ranjbar, Jennifer Wattie, Leslie Wiltshire, Ariane Lechasseur, Paul M O'Byrne, Gail M Gauvreau, Louis-Philippe Boulet
- OA3769** **Innovative Point-of-Care Breath Test for Early Asthma Diagnosis: Integration of Deep Neural Network Technology and Nanosensors**  
Hanya Ahmed (London, United Kingdom), Victor Higgs, Jona Angelica Flavier
- OA3770** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 366

15:45 - 17:00

## Oral presentation: General characteristics of cystic fibrosis and impact of cystic fibrosis transmembrane conductance regulator modulators on the disease

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

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

Tag(s) : Clinical, Translational

Chairs : Bülent Taner Karadag (Istanbul, Turkey), Lucy Perrem (Toronto (ON), Canada)

- OA3771** **Late Breaking Abstract - Chest magnetic resonance as an alternative imaging examination for follow-up of patients with cystic fibrosis**  
Gabriela Gama Martins (Curitiba, Brazil), Paulo César Kussek, Solena Ziemer Kusma, Anna Cassia Durante, Bruno Mauricio Pedrazzani
- OA3772** **A 10-year cost trajectory study in children with cystic fibrosis in France**  
Philippe Reix (Bron, France), Erika Guyot, Manon Blehassen, Floriane Deygas, Marjorie Berard, Eric Van Ganse, Jean-Christophe Dubus, Isabelle Sermet-Gaudelus, Isabelle Durieu

- OA3773 Home insulation and mold exposure: assessing their influence on lung function in people with cystic fibrosis**  
CEREN AYÇA YILDIZ (İstanbul, Turkey), Merve Selçuk Balcı, Derya Kocakaya, Caner Çınar, Almala Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gökdemir, Bülent Karadağ
- OA3774 IgE and eosinophil count at 6 years old predicts long-term risk of ABPA in children with CF.**  
Harriet Crabtree (Nedlands, Australia), Chris J Malajczuk, Phillipa Edmiston, Daniel Yeoh, Ho Yin Ho, Andrew Wilson, Yuliya Karpievitch, Andre Schultz
- OA3775 Real-life effect of elexacaftor/tezacaftor/ivacaftor therapy on microbiological findings in patients with Cystic fibrosis**  
Francesca Lucca (Verona, Italy), Giulia Cucchetto, Giulia Paiola, Sonia Volpi, Ilaria Meneghelli, Emily Pintani, Marco Cipolli
- OA3776 Efficacy of Elaxacaftor/Tezacaftor/Ivacaftor after market authorization in pwCF**  
Andreas Jung (Winterthur, Switzerland), Srdjan J. Micic, Eugénie Collaud, Anna Zolin, Alexander Moeller
- OA3777 Long-term outcomes in people with CF lacking early spirometry response to elexacaftor/tezacaftor/ivacaftor therapy**  
Mohamad Hadhud (jerusalem, Israel), Joel Reiter, Elad Ben Meir, Alex Gileles-Hillel, Ido Sadras, Eitan Kerem, Malena Cohen-Cymerknoh, Oded Breuer
- OA3778 Health implication of the COVID-19 pandemic for children with Cystic Fibrosis (CF) followed at CF center Copenhagen**  
Marika Nathalie Schmidt (Copenhagen, Denmark), Rikke Sandvik, Sarah Altaraihi, Hatice Cömert, Majbritt Presfeldt, Mathias Holgersen, Frederik Buchvald, Marianne Skov, Kim G. Nielsen
- OA3779 Thermal and mechanical pain thresholds in children and young adults with cystic fibrosis and primary ciliary dyskinesia**  
Stefanie Dillenhöfer (Dortmund, Germany), Lisa Sophie Demski, Lea Christiane Beermann, Anne Schlegtendal, Folke Brinkmann, Christoph Maier, Thomas Lücke, Anna Teresa Hoffmann, Lynn Eitner
- OA3780 The impact of tracheobronchomalacia on lung disease, microbiology and inflammation in children with cystic fibrosis**  
Julie Depiazzi (Perth (WA), Australia), Crystal Bourke, Yuliya Karpievitch, Stephen Stick, Adelaide Withers
- OA3781 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 367

15:45 - 17:00

Oral presentation: **Breaking news in interstitial lung disease of known origin**Disease(s) : [Interstitial lung diseases](#)

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

Tag(s) : Clinical

Chairs : Elisabetta Renzoni (London, United Kingdom), Paolo Cameli (Siena (SI), Italy)

- OA3782 Late Breaking Abstract - Interaction of High Air Pollution Exposure and MUC5B rs35705950 on Interstitial Lung Disease Risk in Rheumatoid Arthritis Patients**  
Lucile Sese (Paris, France), Isabella Annesi-Maesano, Pierre Antoine Juge, Sophie Mayer, Johanna Sigaux, Bruno Crestani, Lucas Semerano, Boris Dessimond, Raphaël Borie, Marie-Pierre Debray, Bernard Combe, Pierre-Yves Brillet, Yurdagul Uzunhan, Philippe Dieudé, Hilario Nunes
- OA3783 Performance Evaluation and Validation of e-Lung in non-IPF fibrotic ILD**  
Michael Kreuter (Mainz, Germany), Peter George, Katharina Abbasi Dezfouli, Yao Kou, Aliko Sifostratoudaki, Claire Fernandez, Finja Ottink, Wassim Bou-Zeid, Christian Rennison-Jones, Stephen Gerry, Olivier Joly, George Harston, Anand Devaraj
- OA3784 Predictive biomarkers of persistent interstitial changes after COVID19**  
Marta Hernández Argudo (Barcelona, Spain), Guadalupe Bermudo, Vanesa Vicens Zygmunt, Guillermo Suárez Cuartín, Celia Montaña Montaña, Andrea Martín González, Jaume Bordas Martínez, Santiago Bolívar Cuevas, Belen Del Río Carrero, Francisco Rivas Doyagüe, Mari Paz Fuset Cabanes, Joan Sabater Riera, Salud Santos Pérez, Maria Molina Molina
- OA3785 Lung Ultrasound as a Screening Tool for Subclinical Rheumatoid Arthritis-Associated Interstitial Lung Disease**  
Maria Otaola (Ciudad Autónoma Buenos Aires, Argentina), Eirini Vasarmidi, Sebastien Ottaviani, Marwin Gutierrez, Marina Dalpiaz, Adrian Gaser, Marcos Rossemfet, Pierre-Antoine Juge, Chiara Bertolazzi, Maricel Della Maggiore, Paola Olauscio, Nestor Avgoustidis, Alan Quintana-Rodriguez, Barbara Perez Cepas, Emilce Scneeberger, Prodromos Sidiropoulos, Nicolas Lloves Schenone, Katerina Antoniou
- OA3786 Bronchoalveolar lavage fluid analysis in patients with checkpoint inhibitor pneumonitis**  
Ruxuan Chen (Beijing, China), Yujie Shi, Hui Huang, Nan Fang, Mengzhao Wang, Zuojun Xu



- OA3787** **Short telomere length is associated with disease progression in rheumatoid arthritis-associated interstitial lung disease**  
Kinan El Husseini (Paris, France), Pierre-Antoine Juge, Esther Ebstein, Sébastien Ottaviani, Raphaël Borie, Caroline Kannengiesser, Sylvain Marchand-Adam, Christophe Richez, Hilario Nunes, Jérôme Avouac, René-Marc Flipo, Marie-Christophe Boissier, Thierry Schaefferbeke, Nathalie Saidenberg-Kermanac'H, Joyce Lee, Leticia Kawano-Dourado, Benjamin Granger, Philippe Dieudé, Bruno Crestani
- OA3788** **Single-cell sequencing reveals enrichment of cross-presenting dendritic cells in fibrotic hypersensitivity pneumonitis**  
Ophir Freund (Tel Aviv, Israel), Yan Stein, Amir Bar-Shai, Avraham Unterman
- OA3789** **Peripheral blood lymphocyte cell subsets in subjects with silicosis due to silica agglomerates**  
Gema Jimenez Gómez (Cádiz, Spain), Antonio Campos-Caro, Alejandro García-Núñez, Antonio Hidalgo-Molina, Antonio Leon Jimenez
- OA3790** **Lung Involvement in Early Rheumatoid Arthritis, Analysis of the FINDRA Cohort**  
Antoine Froidure (Bruxelles, Belgium), Marie Perrot, Marie Doyen, Emilie Sapart, Bertrand Bearzatto, Jean-François Durant, Jérôme Ambroise, Sandra Koenig, Louis Vanderschueren, Aleksandra Avramovska, Tatiana Sokolova, Jean-Luc Gala, Benoît Ghaye, Patrick Durez
- OA3791** **Skin transcriptomics are associated with lung function impairment and distinct cell types in systemic sclerosis-related lung disease**  
Jana Zielonka (New Haven, United States), Ningshan Li, Zuoheng Wang, Xiting Yan, Jose Gomez
- OA3792** **Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 368

15:45 - 17:00

## Oral presentation: Malignant plural effusion and mesothelioma: from bench to bedside and back again

Disease(s) : Thoracic oncology

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

Tag(s) : Clinical, Translational

Chairs : Kevin Blyth (Glasgow (Glasgow), United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom)

- OA3793** **Late Breaking Abstract - Eosinophilic pleural effusion: etiology, management and outcomes – data from the International Multicentre Pleural Research Collaborative**  
Katarzyna Faber (Warsaw, Poland), E. Magdalena Grabczak, Julius P. Janssen, Silvia Bielsa, José M. Porcel, Mateja Marc-Malovrh, Ales Rozman, Michael A. Mitchell, Rafał Krenke
- OA3794** **Mesothelioma Evolution Following a Diagnosis Of Benign Pleural Inflammation: A Systematic Review and Meta-Analysis**  
Mark Neilly (Glasgow, United Kingdom), Katie Ferguson, Matthew Tate, Joshua Roche, Kevin Blyth
- OA3795** **Correlating volatile diagnostic biomarkers in exhaled breath to computed tomography imaging in an asbestos-exposed population**  
Kathleen Zwijsen (Wilrijk, Belgium), Joris Van Cleemput, Caroline Jonckheere, Tom Richart, Veerle Surmont, Jan P. Van Meerbeeck, Annelies Janssens, Jo Raskin, Annemiek Snoeckx, Kevin Lamote
- OA3796** **Characterising Tissue Resident Memory (Trm) CD8+CD103+ T-cells in Malignant Pleural Effusion (MPE)**  
Delaney Charles Conleth Dominey-Foy (Oxford, United Kingdom), Xuan Yao, Wenbo Wang, Nikolaos Kanellakis, Beibei Wang, Adam Bates, Sam Farrar, Yu Zhao, Maya Pidoux, Guihai Liu, Megat Bin Abd Hamid, Nikita Manohara, Beenish Iqbal, Najib Rahman, Yanchun Peng, Tao Dong
- OA3797** **Origins of pleural effusion CD8+ T cells reveal tumoral immune microenvironment**  
Yanqi He (Chengdu (Sichuan), China), Sifan Zhang, Siyu Liu, Xuyu Cai, Weiya Wang, Ye Wang
- OA3798** **Impact of Indwelling Pleural Catheter specific educational tools on unplanned hospital encounters and caregiver training**  
Jing Ying Kendra Tang (Singapore, Singapore), Ming Qin Fena Lee, Jun Jie Aaron Tan, Junyang Ken Goh, Qiao Li Esther Tan, Kah-Lai Carrie Leong, Chew Sian Ivana Phua, Jing Yi Jane Wong, Wen Ting Lim, Siling Young
- OA3799** **Effect of quantum sensitive circadian cryptochromes CRY-1 and CRY-2 gene expression on the survival of pleural mesothelioma patients: In silico investigation of TCGA data.**  
Sotirios Zarogiannis (Larisa, Greece), Rajesh Jagirdar, Eleftherios Papazoglou, Erasmia Rouka, Sotirios Sinis, Evgeniy Solenov, Chrissi Hatzoglou, Konstantinos Gourgoulianis

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- OA3800** **Update on the STREAMLINE Feasibility Clinical Trial (early pleural biopsy + indwelling pleural catheter in malignant pleural effusion)**  
Dinesh Addala (Oxford, United Kingdom), Alguili Elsheikh, Wui-Mei Chew, Beenish Iqbal, Anand Sundaralingam, Craig Mounsey, John Wrightson, Rob Hallifax, Najib Rahman
- 
- OA3801** **Comparison of Five Prognostic Scores for Association with Mortality in Malignant Pleural Effusion**  
Merve Ayık Türk (Izmir, Turkey), Özer Özdemir, Yunus Türk, Berna Kömürcüoğlu, Gülru Polat
- 
- OA3802** **Comparative cell-free mutation analysis for diagnosis of malignant pleural effusion in lung cancer patients**  
Armin Frille (Leipzig, Germany), Mathias Stiller, Alexandra Wald, Hans-Jürgen Seyfarth, Michael Metze, Martin Platz, Irene Krücken, Myriam Boeschen, Hendrik Bläker, Hubert Wirtz, Maximilian Von Laffert
- 
- OA3803** **Discussion and Q&A**  
All Speakers
-

**Stolz 1** Session 383 08:00 - 10:20**Skills workshop: SW13 SW13 - Practical pulmonary hypertension - €**

Additional registration is required for this session.

**Aims :** To develop a systematic approach to interpretation of radiological investigations (with a focus on computed tomography) in patients with suspected pulmonary hypertension (PH); to provide practical experience in performing and interpreting echocardiography in patients with PH; to develop knowledge and understanding of the pathological changes associated with PH; to develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis of patients with suspected PH.

**Disease(s) :** Pulmonary vascular diseases**Target audience :** Adult pulmonologist/Clinician, Pathologist, Physician in Pulmonary Training, Radiologist**Chairs :** Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

08:00	<b>Radiological assessment of pulmonary hypertension</b> Lilian Meijboom (Amsterdam, Netherlands)	3875
08:00	<b>Pathological assessment of pulmonary hypertension</b> Peter Dorfmueller (Giessen, Germany)	3876
08:00	<b>Echocardiography in pulmonary hypertension</b> Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)	3877
08:00	<b>Clinical assessment of pulmonary hypertension</b> Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Esther Nossent (Amsterdam, Netherlands)	3878

**Stolz 2** Session 384 08:00 - 10:40**Skills workshop: SW16 SW16 - Thoracic ultrasound basic principles - €**

Additional registration is required for this session.

**Aims :** To describe the current use of thoracic ultrasound; to provide participants an opportunity to perform this technique using training models, simulators, volunteers and patients.

**Disease(s) :** Thoracic oncology Interstitial lung diseases**Method(s) :** General respiratory patient care Imaging**Target audience :** Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Physician in Pulmonary Training**Chairs :** Christian B. Laursen (Odense M, Denmark)

08:00	<b>Introduction</b> Christian B. Laursen (Odense M, Denmark)	3879
08:20	<b>Normal thoracic cavity</b> Casper Falster (Odense, Denmark), Jesper Rømhild Davidsen (Odense C, Denmark)	3880
08:20	<b>Pleural effusion and/or pleural thickening</b> Gilles Mangiapan (Creteil, France), Pia Iben Pietersen (Odense C, Denmark)	3881
08:20	<b>Case studies</b> Rob Hallifax (Oxford (Oxfordshire), United Kingdom)	3882
08:20	<b>Guided interventions</b> Søren Helbo Skaarup (Aarhus C, Denmark), Rahul Bhatnagar (Bristol, United Kingdom)	3883

**PS-1** Session 385 08:00 - 09:30**Poster session: Clinical problems in respiratory medicine III****Disease(s) :** Airway diseases Pulmonary vascular diseases Interstitial lung diseases Respiratory critical care**Method(s) :** General respiratory patient care Public health Endoscopy and interventional pulmonology Imaging Physiology Epidemiology**Tag(s) :** Clinical**Chairs :** Georgios Kaltsakas (Athens, Greece), Annika W.M. Goorsenberg (Amsterdam, Netherlands)

<b>PA3884</b>	<b>Evaluating the association of persistent or single-time point frequent productive cough with 12-month exacerbation rate in asthma and/or COPD</b> Hana Müllerová (Cambridge, United Kingdom), Eleni Rapsomaniki, Deven Patel, Laura Belton, Rod Hughes, Jose Maria Olaguibel, Alberto Papi, Helen K Reddel, Stefan Franzén, Bradley Chipps, Richard Beasley, Christer Janson, - For The Novelty Scientific Community And The Novelty Study Investigators
<b>PA3885</b>	<b>Oral corticosteroid prescribing patterns for severe exacerbations of airways disease</b> Elizabeth Kennedy (Derby, United Kingdom), Sabrina Holmes, Carolyne Baker, Natasha Hudson, Matthew Martin
<b>PA3886</b>	<b>Assessment of comorbidities in COPD patients by chest HRCT</b> Ecaterina Iavrumov (Chisinau, Republic of Moldova), Dumitru Cravcenco, Ion Luca, Alexandru Corlateanu
<b>PA3887</b>	<b>CAN LACTATE ALBUMIN RATIO BE A MARKER TO PREDICT THE OUTCOMES OF PATIENTS WITH COPD EXACERBATION?</b> Derya Kocakaya (Istanbul, Turkey), Cansu Ünlü Yildiz, Umut Sabri Kasapoğlu, Hüseyin Arıkan, Şehnaz Olgun Yıldızeli
<b>PA3888</b>	<b>Midregional Proatrial Natriuretic Peptide (MRproANP) is associated with vertebral fractures and low bone mineral density (BMD) in patients with COPD</b> Franziska Trudzinski (Heidelberg, Germany), Rudolf Jörres, Peter Alter, Henrik Watz, Claus Vogelmeier, Hans-Ulrich Kauczor, Subasini Thangamani, Manuel Debiec, Tobias Welte, Jürgen Behr, Kathrin Kahnert, Robert Bals, Christian Herr, Claus Peter Heuvel, Jürgen Biederer, Oyunbileg Von Stackelberg, Sebastian Fährndrich, Emiel F. M. Wouters, Benjamin Waschki, Klaus F. Rabe, Felix J.F. Herth, Viktoria Palm
<b>PA3889</b>	<b>Absence of a UK consensus on the concept and management of cardiopulmonary risk in patients with COPD: results of a systematic review</b> Dinesh Shrikrishna (Bristol (Avon), United Kingdom), Beverley Bostock, Scott Dickinson, Alicia Piwko, Sivatharshini Ramalingam, Ravijyot Saggu, John Steer, Carol Stonham, Robert F. Storey, Clare J. Taylor, Raj Thakkar, Chris P. Gale
<b>PA3890</b>	<b>Skeletal muscle function indicators associated with physical frailty in patients hospitalised with an acute exacerbation of COPD</b> George Mills (Leicester, United Kingdom), Cara Flynn, Omer Elneima, Tracey Thornton, Sarah Glover, Sally Singh, Neil Greening, Hamish Mcauley
<b>PA3891</b>	<b>Sex differences in risk of venous thromboembolism in patients with acute exacerbation of chronic obstructive pulmonary disease</b> peng lige (chengdu, China), Qun Yi
<b>PA3892</b>	<b>Frequency and severity of COPD in patients with hiatal hernia</b> Michel Abou Khalil (beirut, Lebanon), Khalil Hamadeh, Mario Fakhry, Elissa Chebly, Antoine El Kik, Georges Dabar, Carine Harmouche, Basssem Habr, Moussa Riachy, Hind Eid, Zeina Aoun Bacha
<b>PA3893</b>	<b>Prevalence and risk factors of sarcopenia in patients with chronic obstructive pulmonary disease: a systematic review and meta-analysis</b> Zhe Sun (Beijing, China), Bo Zhang
<b>PA3894</b>	<b>Positive effects of embedding respiratory care within local drug treatment services</b> David Tarpey (Liverpool (Merseyside), United Kingdom), Joanne Seaborne, Stefanie Meikle, Paula Magee, Elizabeth Thomas, Gemma Adams
<b>PA3895</b>	<b>FEF50/0.5FVC versus FEV1/FVC: which ratio correlates better with physical activity in chronic respiratory diseases?</b> Yosra Abdelhedi (tunis, Tunisia), Khouloud Kchaou, Chaima Briki, Safa Dali, Saloua Ben Khamsa Jameleddine
<b>PA3896</b>	<b>Correction Constant is necessary for the use of OCT in Airways – The OCT Air study</b> Anne Katrine Poulsen (Aarhus, Denmark), Signe Thim, * Oct Air Research Group, Sune Rubak
<b>PA3897</b>	<b>Etiological profile of exacerbations of chronic obstructive pulmonary disease</b> Imane El hamdani (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine
<b>PA3898</b>	<b>Factors related to patients' treatment adherence: evidence from a national COPD survey in China.</b> Wanheng Li (Beijing, China), xingyao Tang, Ke Huang, Jieping Lei, Wei Li, Ting Yang, Chen Wang
<b>PA3899</b>	<b>The utility of NT-proBNP marker in the assessment of pulmonary hypertension in COPD elderly patients.</b> Valentin Calancea (Chisinau, Codru, Republic of Moldova), Nicolae Bodrug, Elena Calancea, Sergiu Matcovschi, Adriana Botezatu, Ecaterina Luca
<b>PA3900</b>	<b>An investigation of different definitions of cough bouts</b> Kimberley Holt (Manchester, United Kingdom), Rachel Dockry, Kevin Mcguinness, Emma Barrett, Jaclyn Smith

**PA3901 Late Breaking Abstract - Modelling the healthcare burden of oral corticosteroid use in France, Spain, and Germany**  
Arnaud Bourdin (Montpellier Cedex 5, France), Christian Taube, Javier Dominguez-Ortega, Carlos Cabrera-Lopez, Alison Evans, Soram Patel, Danny Gibson, Emma Crouch-Baker, Katherine Padgett

**PA3902 Reproducibility and Predictive Value of Objective Cough Measurement to predict extubation success - COBRE-US trial**  
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Rincón, Luis Fernando Giraldo-Cadavid, Eduardo Tuta-Quintero, Jonathan Palacios, Stephanie Crevoisier, Diana C Duarte, Marcela Poveda, Laura Cucunubo, Pablo Monedero

**PA3903 Rapid and shallow breathing index to predict extubation success—COBRE-US trial**  
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Rincón, Luis Fernando Giraldo-Cadavid, Eduardo Tuta Quintero, Jonathan Palacios, Stephanie Crevoisier, Diana C. Duarte, Marcela Poveda, Laura Cucunubo, Pablo Monedero

PS-10

Session 386

08:00 - 09:30

Poster session: New aspects of lung function, inhalers and clinical management for asthma and COPD

Disease(s) : **Airway diseases**

Method(s) : Imaging General respiratory patient care Epidemiology Pulmonary function testing Public health

Tag(s) : Clinical

Chairs : Monbi Stefanova Chakma (London, United Kingdom), Bernardino Alcazar Navarrete (Cájar, Spain)

**PA3904 Machine learning to identify treatment effect heterogeneity related to ICS and LAMA in the IMPACT trial**  
Kenneth Verstraete (Leuven, Belgium), Helene Huts, Iwein Gyselinck, Michaël Staes, Ahmed Elmahy, Maarten De Vos, Wim Janssens

**PA3905 Pharmacogenetic Effects on Clusters of Lung Function Decline**  
Lies Lahousse (Ghent, Belgium), Xander Bertels, André Uitterlinden, Guy Brusselle, Bruno Stricker

**PA3906 The Cardiovascular Effects of Long-acting Bronchodilators Inhalers and Inhaled Corticosteroids purchases among Asthma and COPD patient**  
Dekel Shlomi (Tel-Aviv, Israel), Niv Lev-Ari, Shiri Kushnir, Noga Yossef, Bernice Oberman

**PA3907 Impact of extrafine formulation single-inhaler triple therapy on asthma control and treatment adherence after six months of treatment in patients with asthma-TriMaximize study**  
Timm Greulich (Marburg, Germany), Valentina Bogoevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Sören Baumeister, Christian Gessner

**PA3908 Exacerbation reduction and improved quality of life in asthma with extrafine formulation single-inhaler triple therapy (efSITT): six-month results of the TriMaximize Study**  
Frederik Trinkmann (Heidelberg, Germany), Valentina Bogoevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Celina Fritz, Christian Gessner

**PA3909 Real-world outcomes of Budesonide/Glycopyrronium/Formoterol therapy in COPD after 3 months; Interim analysis of the RECORD study**  
Henrik Watz (Großhansdorf, Germany), Marija Halbach, Matthias Saathoff, Tamsin Morris, Michael Watt, Annika Fernandez Milano, Dinesh Shrikrishna, Dave Singh

**PA3910 Sustaining treatment for asthma and COPD patients while minimizing carbon footprint: effect of HFA-152a and HFA-134a on lung mucociliary clearance**  
François Rony (Bois-Colombes, France), Veronica Puviani, Ilaria Pacchetti, Aida Emirova

**PA3911 The carbon footprint of inhalers in secondary care: a cross-sectional analysis**  
Jasmin Abbott (Brighton, United Kingdom), Sabine Hippolyte

**PA3912 Improving clinician adherence to the 'green inhaler' initiative: An audit of current practice**  
Aazaz Rehman (Brighton, United Kingdom), Ketan Patel, Jasmin Abbott, Holly Hathaway, Samantha Workman, Neel Sharma

**PA3913 Multidisciplinary approach to addressing sustainable inhaler prescribing across primary and secondary care in North Central London (NCL).**  
Kay Roy (London, United Kingdom), Shahid Gani, Mandeep Butt, Bodour Aldosari, Christian Buckingham

**PA3914 A randomized, double-blind crossover study of change in post-dose lung function with a next generation propellant for metered dose inhalers in patients with asthma**  
Alan Bell (Kempston, United Kingdom), Mandeep Jassal, John Xu, David Petullo, Ibrahim Raphiou, Patrik Bondarov, Magnus Aurivillius, Roy A Pleasants



PA3915	<b>Sustainable care: what are the characteristics of people with asthma who successfully switch to low carbon inhaler devices?</b> Grainne d'Ancona (London, United Kingdom), Laura Piggott, Anna Francis, Andrew Cumella, Sam Walker, Brian D Kent
PA3916	<b>Demographic and asthma-related characteristics of asthmatics using pressurized metered dose inhalers and dry powder inhalers</b> Kurtuluş Aksu (Ankara, Turkey), Gürgün Tuğçe Vural Solak, Levent Cem Mutlu, Pınar Mutlu, Görkem Vayısoğlu Şahin, Ezgi Erdem Türe, Burcu Yormaz, Aylin Çapraz, Ayşe Çoşkun Beyan, Yavuzalp Solak, Funda Aksu
PA3917	<b>Inhaler Use in COPD Patients: A Cross-sectional Study, Critical Errors and Optimal Peak Inspiratory Flow measured with the InCheck Dial Device.</b> Sabri Jaffal (Jerusalem, Israel), Abraham Bohadana, Amir Jarjoui, Nissim Arish, Ariel Rokach, Gabriel Izbicki
PA3918	<b>Are we handling used metered dose inhaler canisters safely? A call for action to address an environmental hazard.</b> Beena Thomas (Kollam (Kerala), India), Thomas Beena, Parakkal Sukumaran, Mammen Issac Joel, M Midhun, P Rekha
PA3919	<b>Changes in determination of bronchodilator response in patients diagnosed with asthma</b> Martijn Cuijpers (Roermond, Netherlands), Ragnar Lunder, Veerle De Visser Van Pol, Herman Jan Pennings
PA3920	<b>Late Breaking Abstract - Do asthma patients prescribed a GLP1 have improved asthma and weight loss outcomes?</b> David Price (Singapore, Singapore), Alan Kaplan, Heath Heatley, John Townend, Derek Skinner, Victoria Carter, Richard Hubbard, Tan Tze Lee, Mariko Koh
PA3921	<b>Self-Administration of Augmentation Therapy for Alpha 1-Antitrypsin Deficiency in Italy: a survey study.</b> Sara Lococo (Padova, Italy), Andrea Vianello, Luciano Corda, Mario Torrazza, Paolo Baderna, Elena Bargagli, Stefano Sanduzzi Zamparelli, Leonardo Bertagna De Marchi, Beatrice Molena, Federico Lionello, Alessia Achille, Gabriella Guarnieri
PA3922	<b>Late Breaking Abstract - A novel macrolide, EP395, in a LPS challenge in healthy volunteers</b> Jens Hohlfeld (Hannover, Germany), Philipp Badorrek, Kerstin Danielson, Olof Breuer, Kate Hanrott, Jennifer Krickler, Michael Parnham, Ginny Norris
PA3923	<b>Late Breaking Abstract - A novel macrolide, EP395, in patients with stable COPD: a RCT</b> Henrik Watz (Großhansdorf, Germany), Stephanie Korn, Oliver Kornmann, Dave Singh, Tom Wilkinson, Kate Hanrott, Virginia Norris

PS-11

Session 387

08:00 - 09:30

Poster session: Biological treatments for asthma: novel real-world and clinical studies

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical, Translational

Chairs : Asger Sverrild (Valby, Denmark), Madeleine Rådinger (Göteborg, Sweden)

PA3924	<b>Efficacy of switching controlled and uncontrolled asthma patients on Mepolizumab to Benralizumab</b> Riyad Allehebi (Riyadh, Saudi Arabia), Yahya Asiri, Mais Alsardi, Noor Almasoud
PA3925	<b>The REALISM Study: The Experience of Pulmonologists with Benralizumab in Greece</b> Chrysoula Kontogianni (Athens, Greece), Konstantinos Samitas, Petros Bakakos, Nikoleta Rovina, Stelios Loukides, Andrianna Papaioannou, Nikolaos Tzanakis, Katerina Antoniou, Katerina Dimakou, Georgios Hillas, Sofia Koukidou, Aikaterini-Ioanna Sakellaropoulou, Konstantinos Katsoulis, Maria Kipourou, Niki Georgatou, Dimosthenis Papapetrou, Ourania Kotsiou, Nikolaos Zias, Evangelia Fouka, Konstantinos Porpodis, Maria Hatzimitrova, Despoina Papakosta, Paschalis Steiropoulos, Konstantinos Kostikas, Athena Gogali, Agapi Aggelopoulou, Konstantinos Tatsis, Aggelos Ladias, Ilias Papanikolaou, Eleftheria Chaini, Miltiadis Markatos, Stelios Vittorakis, Pantelis Avarlis, Eleni Gaki, Dimitrios Latsios, Eleni Tzortzaki, Eleftherios Zervas
PA3926	<b>Real-world effectiveness of switching to Benralizumab in patients with severe asthma in the Catalan population. Catalan Society of Pulmonology (SOCAP) Registry.</b> Ebymar Arismendi (Vilassar de Dalt, Barcelona, Spain), Mariana Muñoz, Astrid Crespo, Pilar Ausin, José Antonio Castillo, Elena Curto, Ana Lapuente, Alejandra Marín Arguedas, Carlos Martínez-Rivera, Daniel Monserrate, Xavier Muñoz, Iñigo Ojanguren, Esther Palones, Marina Paredes, Flor Pilia, César Picado, Gladis Sabater, Carles Sabadell, Ana Sogo, Concepción Cañete
PA3927	<b>A Belgian real-world study indicates rapid and sustained asthma symptom control with benralizumab</b> Tom Feys (izegem, Belgium), Lieven Dupont, Charles Pilette, Maud Deschampeleire, Katrien Eger, Jean-Benoît Martinot, Mathias Leys, Ulrike Himpe, Rudy Peché, Muriel Lins, Solange Delovinfosse, Hélène Simonis, An Herreman, Charlotte Quataert, Renaud Louis

- PA3928 Late Breaking Abstract - The safety and PK of an inhaled pan JAK inhibitor (KN-002) in subjects with COPD**  
Dave Singh (Manchester, United Kingdom), Frazer Morgan, Christopher O'Brien, Julie Young, Gary Burgess, Brian Leaker
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- PA3929 Real-world effectiveness of mepolizumab in patients with severe asthma with/without chronic rhinosinusitis with nasal polyps: pooled analysis from European cohorts**  
Ines Palomares (Madrid, Spain), Stelios Loukides, Florence Schleich, Rekha Chaudhuri, Joerg Leuppi, Enrico Heffler, Cristian Domingo, Claudio Micheletto, Thomas Paulsson, Nina Gaw, Nadia Kallinikou, Eleanor Mcdermott, Carla Vossen, Florent Guelfucci, Jyothi Menon, Armel Ngami
- 
- PA3930 Effectiveness of mepolizumab on severe asthma in Argentina: a real-world cohort study**  
Federico Daniel Colodenco (Ciudad Autónoma Buenos Aires, Argentina), Anahí Yañez, Federico Promencio, Gabriel Gattolin, Martín Mailló, Miguel Bergna, Ana Stok, Martín Sívori, Miguel Vinuesa, Silvana Guendulaín, María Cecilia Mengarelli, Angeles Galperin, María Laura Jousse, Martín Zambelli, Lucas Perelli, Saeed Noibi
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- PA3931 Belgian real-world data confirm the potential of benralizumab to induce clinical remission in patients with severe eosinophilic asthma**  
Tom Feys (izegem, Belgium), Lieven Dupont, Charles Pilette, Maud Deschamphelleire, Katrien Eger, Jean-Benoît Martinot, Mathias Leys, Ulrike Himpe, Rudi Peché, Muriel Lins, Solange Delovinfosse, Hélène Simonis, An Herreman, Charlotte Quataert, Renaud Louis
- 
- PA3932 Clinical remission by BMI in patients with severe eosinophilic asthma (SEA) over 1 year post benralizumab: real-world XALOC-2 programme**  
Marek Lommatzsch (Rostock, Germany), Thomas Rothe, Benjamin Emmanuel, Trung N. Tran, Andrew Menzies-Gow, Anat Shavit, David Cohen, Calvin N. Ho, Tanja Plate, Sheena Kayaniyil, An Herreman, Claudio Schuoler, Lieven Dupont, Erika Penz
- 
- PA3933 Early treatment response to dupilumab on airway inflammation, airway dynamics, and mucus plugging in VESTIGE**  
Alberto Papi (Cona, Ferrara, Italy), Mario Castro, Celeste Porsbjerg, Njira L. Lugogo, Christopher E. Brightling, Francisco J. González-Barcala, Arnaud Bourdin, Mykola Ostrovskyy, Maria Staevska, Pai-Chien Chou, Liliana Duca, Ana M. Pereira, Charles Fogarty, Rufai Nadama, Mei Zhang, Amelie Rodrigues, Xavier Soler, Harry Sacks, Yamo Deniz, Paul J. Rowe, Lucía De Prado Gómez, Juby A. Jacob-Nara
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- PA3934 Real-life effectiveness of benralizumab in severe asthma: 12-month data from the RAMSES cohort in France**  
Camille Taillé (Paris, France), Diana Ayinde, Nicolas Roche, Caroline Fabry-Vendrand, Delphine Leynaud, Gabriel Thabut
- 
- PA3935 Decreased Number of Uncontrolled Severe Asthma Patients while Need of OCS Reduction Remains: RWE Data Analysis in Germany 2022 vs 2019**  
Athanasios Xanthopoulos (Fürstenwalde, Germany), Katrin Milger-Kneidinger, Karl-Christian Bergmann, Justus De Zeeuw, Nina Fulgeri, Sebastian Bretzke, Johann Christian Virchow, Dirk Skowasch
- 
- PA3936 Long-term effectiveness and safety of dupilumab in severe asthma: a 5-year real-life multicenter observational cohort study**  
Clairelyne Dupin (Paris, France), Astrid Chauvin, Laurent Guilleminault, Amel Boudjemaa, Nouha Ghourabi, Anne-Sophie Gamez, Patrick Berger, Naji Khayat, Philippe Bonniaud, Christophe Leroyer, Guillaume Mahay, Stéphanie Fry, Pierre-Olivier Girodet, Geneviève Le Bourdellès, Alain Proust, Lise Rosencher, Gilles Garcia, Arnaud Bourdin, Drifa Belhadi, Alain Didier, Camille Couffignal, Camille Taillé
- 
- PA3937 Predictors of biological therapy in severe asthma patients. An ambispective study from the BIOBADALER consortium.**  
GUILLERMO BENTABOL RAMOS (Málaga, Spain), Dulce Sánchez-Torralvo, Ibón Eguíluz-Gracia, Natalia Pérez-Sánchez, Marta Ferrer, Joan Bartra, María José Torres, Carmen Rondón, Almudena Testera-Montes
- 
- PA3938 Characteristics of never-, switching, and persisting users of biologics for severe asthma – a SHARP-CRC study**  
Kjell Erik Julius Håkansson (Copenhagen V, Denmark), Aruna T Bansal, Evangelia Fouka, Fabienne Jaun, Anneke Ten Brinke, Barbro Dahlén, Bilun Gemicioğlu, Eleftherios Zervas, Florin Mihăițan, Ineta Grisle, Konstantinos Samitas, Kristina Biekšiene, Piotr Kuna, Sabina Skrgat, Sanja Grle Popovic, Sanja Hromis, Svetlana Sergejeva, Valentyna Yasinska, Zsuzsanna Csoma, Florence Schleich, Celeste Porsbjerg, Apostolos Bossios
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- PA3939 Effects of benralizumab on inspiratory capacity evaluated during exercise in severe asthmatics**  
Lorena Gentile (Palermo, Italy), Alida Benfante, Alessandra Tomasello, Paola Marasà, Salvatore Battaglia, Nicola Scichilone
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- PA3940 Covid 19 emerging as etiology for novel phenotype of Asthma**  
Abhisheka Kumar (Patna (Bihar), India)
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- PA3941 Evolution of Blood Eosinophilia in Patients with Severe Asthma Treated with Dupilumab**  
Cristina Bellver (Barcelona, Spain), Laura Mejía, Ana Romero, Héctor Cabrerizo, Xavier González, Nuria Padullès, Salud Santos, Mariana Muñoz-Esquerre
- 
- PA3942 Late Breaking Abstract - A phase 1 study of subcutaneous administration of ARO-RAGE**  
Mark O'Carroll (Auckland, New Zealand), John Huetsch, Anh Ta, Lindsey Moser, Sudar Alagarsamy, James Hamilton

**PA3943 Late Breaking Abstract - Up-dosing of reslizumab in severe asthmatics with persistent sputum eosinophilia**  
Manali Mukherjee (Hamilton (ON), Canada), Jaime Bernaola, Melanie Kjarsgaard, Yinglan Xie, Katherine Radford, Bashyr Alotaibi, Santi Nolasco, Carmen Venegas Garrido, Parameswaran Nair

PS-12

Session 388

08:00 - 09:30

## Poster session: Monitoring in airway disease III: looking towards the future

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Mina Gaga (Athens, Greece), Wang Chun Kwok (Hong Kong, Hong Kong)

**PA3944 Ventilation defect percentage from PREFUL MRI in pediatric primary ciliary dyskinesia**  
Wallace Wee (Toronto (ON), Canada), Brandon Zquette, Samal Munidasa, Sharon Braganza, Daniel Li, Felix Ratjen, Sharon Dell, Giles Santyr

**PA3945 Analysis of the roles of air trapping and diffusion in the prognosis of COPD from the prospective KOCOSS Cohort**  
Youlim Kim (Seoul, Republic of Korea), Hajeong Kim, Hyun Lee, Seong Yong Lim, Jae Jeong Shim, Kwang Ha Yoo

**PA3946 Assessment of pulmonary function using an infrared Time-of-Flight depth image sensor in patients with COPD**  
Satoshi Tanaka (Kawasaki city, Kanagawa, Japan), Hiroki Nishine, Kentaro Utsunomiya, Shohei Sato, Takemi Masui, Hiroshi Handa, Masamichi Mineshita

**PA3947 Prevalence and characteristics of small airways disease in a general population**  
Hazim Abozid (Wien, Austria), Emiel F.M. Wouters, Ahmad Karimi, Mohammad Azizzadeh, Andre F.S. Amaral, Sylvia Hartl, David Kaminsky, Marie-Kathrin Breyer, Robab Breyer-Kohansal

**PA3948 Grading the severity of airways obstruction by spirometry - comparison of ERS/ATS 2021 and 2005 technical standards**  
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Bharath Karthikeyan, Veluchamy Rathakrishnan Sangeeth Priyadarshan, Kotamreddy Sreedevi, Roselin Juliet Joice, Barney Isaac, Balamugesh Thangakunam

**PA3949 Characteristics of Preserved Ratio Impaired Spirometry (PRISm) patients in Austrian real world COPD studies**  
Stephan Brecht (Vienna, Austria), Horst Olschewski, Sylvia Hartl, Arschang Valipour, Georg-Christian Funk, Michael Studnicka, Marcel Rowhani, Bernhard Kaiser, Eva Maria Wallner, Bernd Lamprecht, Andreas Horner

**PA3950 Pulmonary function and Lung Ageing in healthy smokers**  
Chaima BRIKI (ariana, Tunisia), Khoulood Kchaou, Balsam Barkous, Sirine Jamli, Soumaya Khaldi, Saloua Ben Khamsa Jameddine

**PA3951 Novel spirometric parameters and small airway disease in COPD**  
James Dean (Holmes Chapel, United Kingdom), Augusta Beech, Stephen Fowler, Dave Singh

**PA3952 Physiologist-led home spirometry service (PLHSS) helps identify different asthma phenotypes for an improved patient centred approach.**  
Kay Roy (London, United Kingdom), Meg Robshaw, Emma Raywood, Reem Alrashad, Helen Purcell, Cara Oliver

**PA3953 Comparison of bronchodilator responsiveness (BDR) between GINA guidelines and ERS/ATS 2021 interpretative strategies**  
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Veluchamy Rathakrishnan Sangeeth Priyadarshan, Bharath Karthikeyan, Kotamreddy Sreedevi, Roselin Juliet Joice, Barney Isaac, Balamugesh Thangakunam

**PA3954 Prevalence and characteristics of Airway Collapse in Non-Specific Pattern of Lung Function**  
Khoulood Kchaou (Ariana, Tunisia), Balsam Barkous, Chaima Briki, Soumaya Khaldi, Saloua Ben Khamsa Jameleddine

**PA3955 Association between stress levels and quality of spirometry test performance**  
Soumaya Rebay (Menzel jemil, Tunisia), Khoulood Kchaou, Chaima Briki, Ines Hichri, Balsam Barkous, Saloua Ben Khamsa Jameleddine

**PA3956 Association between respiratory symptoms and mechanics in the general population**  
Chiara Veneroni (Milano (MI), Italy), Christoph Valach, Emiel F M Wouters, Christoph Gross, Alessandro Gobbi, Raffaele Dellaca', Marie-Kathrin Breyer, Hartl Sylvia, Charles G. Irvin, Pasquale Pompilio, Robab Breyer-Kohansal

**PA3957 How should a positive bronchodilator test be interpreted?**  
Ane Lopez Gonzalez (Barcelona, Spain), Maria Florencia Pilia, Denisse Mediavilla Angulo, David Nuñez Santos, David Espejo Castellanos, Christian Eduardo Romero Mesones, Carlos Gomez Olles, Iñigo Ojanguren Arranz, M Jesús Cruz Carmona, Xavier Muñoz Gall

- PA3958** **The correlation between expiratory and inspiratory spirometric parameters during the bronchodilation test in asthmatic patients**  
safa daly (la marsa, Tunisia), Khouloud Kchaou, Yosra Abdelhedi, Chaima Briki, Saloua Ben Khamsa Jamelddine
- PA3959** **Relation of changes in PEF and FEV1 during bronchoconstriction**  
Leon Csonka (Tampere, Finland), Antti Tikkakoski, Liisa Vuotari, Jussi Karjalainen, Lauri Lehtimäki
- PA3960** **Phenotypic differences between Asthmatics with and without Small Airways Dysfunction (SAD) as defined by lung oscillometry and spirometry**  
Sundeeep Santosh Salvi (Pune (Maharashtra), India), Deesha Ghorpade, Suhas Bardapurkar, Harshavardhan Vhora, Virendra Singh, Parthasarathi Bhattacharyya, Ragini Diwan, Shreehas Bardapurkar, Udaiveer Singh, Sujata Chauthmal, Sapna Madas, Ruby Swami, Abhishek Sabale, Meena Lopez, Jaideep Gogtay
- PA3961** **Exploring the relationship between Diaphragmatic Ultrasound and Specialized Pro-resolving Mediators in Chronic Obstructive Pulmonary Disease**  
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euch, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri
- PA3962** **Development of a prediction model for exertional desaturation by machine learning method**  
Chin Kook Rhee (Seoul, Republic of Korea), Seong Yong Lim, Kwang Ha Yoo, Won-Yeon Lee
- PA3963** **Peak flow measurement: Take a breath for quality improvement**  
Sonay Beyatli (LONDON, United Kingdom), Jennifer Peggs, Simon Quantrill

PS-13

Session 389

08:00 - 09:30

Poster session: Chronic obstructive pulmonary disease biomarkers: feasible options for clinicians?

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical, Translational

Chairs : Ian M. Adcock (London, United Kingdom), Maeva Zysman (cabanac et villagrains, France)

- PA3964** **Association of serum surfactant protein-D levels with COPD severity and clinical history.**  
Hemant Kumar (Lucknow, India), Anuj Kumar Pandey, Ajay Kumar Verma, Arpita Singh, Surya Kant, Jyoti Bajpai
- PA3965** **The relationship between airway thickness and persistent eosinophilia in COPD**  
Federico Baraldi (Cona, Italy), James P Allison, Mairi A Macleod, Samuel W J Bartlett-Pestell, Aaron Braddy-Green, Jordina S Y Mah, Andrew I Ritchie, Dexter J Wiseman, Ralph Lopez, Apolline N J M Marion, Luana Alves Moreira, Hassan Shahbakhti, Eric A Hoffmann, Alberto Papi, Wisia Wedzicha, Lydia J Finney
- PA3966** **Validation of exhaled volatile organic compounds as biomarkers for COPD exacerbations**  
Jorrit van Poelgeest (Amsterdam, Netherlands), Patricia Van Velzen, Anke-Hilse Maitland-Van Der Zee, Paul Brinkman
- PA3967** **Mucus Plug Lobar Distribution in COPD Using Automatic AI-Based Mucus Plug Quantification**  
Tjeerd van der Veer (Amsterdam, Netherlands), Jean Paul Charbonnier, Rudolfs Latisenko, David Lynch, Harm Tiddens
- PA3968** **Serum interleukin-22 levels in monitoring the effect of treatment with dual bronchodilation in patients with COPD: should it be considered?**  
Ieva Dimiene (Kaunas, Lithuania), Airidas Rimkunas, Inesa Jermalaviciene, Deimante Hoppenot, Skaidrius Miliauskas
- PA3969** **DETECTION AND CHARACTERIZATION OF EXTRACELLULAR VESICLES IN SPUTUM OF COPD PATIENTS AND HEALTHY CONTROL**  
Ourania Kotsiou (Larissa, Greece), Irene Tsilioni, Erasmia Rouka, Katerina Katsanaki, Sophia Papatthanasiou, Dionysios Antonopoulos, Irene Gerogianni, Nikolaos Balatsos, Konstantinos Gourgoulanis
- PA3970** **Airway microbiota as a biomarker in predicting COPD and control**  
Solveig Tangedal (Bergen, Norway), Gunnar Husebø, Kristel Knudsen, Rune Nielsen, Tomas Mikal Eagan
- PA3971** **Transfer coefficient and static hyperinflation as markers of COPD disease activity: Results from COSYCONET**  
Hendrik Pott (Weimar (Lahn), Germany), Barbara Weckler, Svetlana Gaffron, Roman Martin, Dieter Maier, Peter Alter, Frank Biertz, Tim Speichert, Wilhelm Bertrams, Anna Lena Jung, Katrin Laakmann, Dominik Heider, Miel Wouters, Claus F. Vogelmeier, Bernd Schmeck
- PA3972** **“High-Risk” Asian COPD characterized by mucus-metabolic-microbial dysbiosis**  
Oliver Ward Meldrum (Singapore, Singapore), Pei Yee Tiew, Huiying Xu, Jayanth Kumar Narayana, Fransiskus Xaverius Ivan, Tavleen Kaur Jaggi, John Arputhan Abisheganaden, Sanjay Hareesh Chotirmall



<b>PA3973</b>	<b>Midregional pro atrial natriuretic peptide (MRproANP) is a predictor of all-cause mortality in mild to moderate COPD - an analysis of COSYCONET data</b> Sebastian Fähndrich (Freiburg, Germany), Christian Herr, Sebastian Teuteberg, Peter Alter, Sandra Söhler, Daniel Soriano, Johanna Classen, Julia Adams, Victoria Weinhold, Henrik Watz, Benjamin Waschki, Tanja Zeller, Martin Eichenlaub, Franziska C. Trudzinski, Julia D. Michels-Zetsche, Albert Omlor, Frederik Seiler, Isabelle Moneke, Frank Biertz, Daiana Stolz, Tobias Welte, Hans-Ulrich Kauczor, Kathrin Kahnert, Rudolf A. Jörres, Claus F. Vogelmeier, Robert Bals
<b>PA3974</b>	<b>Resolvins as Biomarkers in Chronic Obstructive Pulmonary Disease: Assessing Disease Severity</b> Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Sameh Hadj Taieb, Khadija Euchu, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Bisma Dhahri
<b>PA3975</b>	<b>Within-day variability of Fractional exhaled Nitric Oxide in stable COPD patients.</b> Eef Vanderhelst (Bruxelles, Belgium), Inès Van Rossem, Shane Hanon, Johan Vansintejan, Sylvia Verbanck
<b>PA3976</b>	<b>Zinc content in biological media in patients with COPD</b> Alla Zuban (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Olexandr Varunkiv, Kostyantyn Schvets, Iryna Makoida
<b>PA3977</b>	<b>Serum markers of bone metabolism correlate with clinical parameters for disease progression during 2 years follow-up in patients with COPD</b> Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Yanitsa Zhelyazkova, Tatyana Vlaykova
<b>PA3978</b>	<b>Association between FeNO, blood eosinophil counts (BEC) and exacerbation frequency in ICS treatment groups in COPD.</b> Arun Prasad (Gateshead, United Kingdom), Carlos Echevarria, John Steer, Stephen. C. Bourke
<b>PA3979</b>	<b>Distribution of type-2 biomarkers and association with disease traits in patients with COPD, Data from the BREATHE Cohort</b> Sigrid Brisson Nielsen (København Ø, Denmark), Laurits Frøssing, Morten Hvidtfeldt, Kristoffer L. Norheim, Frederik Roager Madsen, Celeste Porsbjerg, Asger Sverrild
<b>PA3980</b>	<b>Systemic Leukotriene Levels in COPD: Insights into Disease Pathogenesis and Severity</b> Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Sameh Hadj Taieb, Khadija Euchu, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Bisma Dhahri
<b>PA3981</b>	<b>The utility of using FeNO with blood eosinophil counts (BEC) in identifying inflammatory endotypes in stable state COPD.</b> Arun Prasad (Gateshead, United Kingdom), Carlos Echevarria, John Steer, Stephen. C. Bourke
<b>PA3982</b>	<b>Homocysteine as a multifunctional indicator of thrombophilia, endothelial dysfunction and systemic inflammation in patients with COPD</b> Elnorahon Abduganieva (Tashkent, Uzbekistan), Irina Liverko, Shahbosxan Ahmedov
<b>PA3983</b>	<b>VO2 peak as a predictor of COPD severity</b> Andreia Casimiro Daniel (Beja, Portugal), Rita Enriquez, Susana Clemente, Sílvia Rodrigues, Liliana Gomes, Jorge Rosa, Filipa Todo Bom

PS-14

Session 390

08:00 - 09:30

## Poster session: Clinical asthma and severe asthma II

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Lucia Cestelli (Bergen, Norway), Stylianos Loukides (Athens, Greece)

<b>PA3984</b>	<b>Use of oral corticosteroids in adults with asthma in Swedish primary care</b> Caroline Stridsman (Luleå, Sweden), Jon R Konradsen, Jörgen Syk, Henning Stenberg, Lowie Egw Vanfleteren, Apostolos Bossios
<b>PA3985</b>	<b>Validation of Video Supported Spirometry in a Severe Asthma Patient Cohort from the BenRex Study</b> Jennifer Logan (Glasgow, United Kingdom), Kirsty Wetherall, Grant Sowman, Frank Keane, James O'Keeffe, Joe Ibarra, Holly Wilson, Lynsey Gillespie, Alex Mcconnachie, Wai-Ting Nicola Lee, Thomas Brown, Hassan Burhan, Ramesh Kurukulaaratchy, David J Jackson, Pujan Patel, Shoaib Faruqi, Dinesh Saralaya, Stephen J Fowler, Adel H Mansur, James Brown, Jim Lordan, Salman Siddiqui, Ian D Pavord, Liam G Heaney, Christopher E Brightling, Rekha Chaudhuri
<b>PA3986</b>	<b>Speech-based monitoring of exacerbations in chronic respiratory diseases</b> Yuyang Yan (Maastricht, Netherlands), Loes Van Bommel, Sami O. Simons, Visara Urovi



PA3987	<b>Evaluation of the impact of long-term stress on the clinical course of asthma</b> Anna Kovchun (Sumy, Ukraine), Vladyslava Kachkovska, Victor Kovchun, Lyudmyla Prystupa
PA3988	<b>Long-term effects of COVID-19 on the risk of ischemic heart disease in asthma: A nationwide, population-based cohort study</b> Hyun Lee (Seoul, Republic of Korea), Sungmin Zo, Cho Yun Jeong, Kwang Ha Yoo, Jong Seung Kim, Sang-Heon Kim
PA3989	<b>Prior ICS use may protect from lung parenchymal involvement in asthmatics and COPD patients affected by COVID-19</b> Doriane Calmés (Liège, Belgium), Virginie Paulus, Françoise Guissard, Nathalie Maes, Laurence Seidel, Renaud Louis, Florence Schleich
PA3990	<b>Bronchodilator response in asthmatic patients without airway obstruction - to do or not to do?</b> Joana Filipe Marques Simões (Lisboa, Portugal), Raquel Barros, Liliana Raposo, Ana Sofia Oliveira
PA3991	<b>OverSEA: European Delphi consensus study on best practices for patients with Severe Eosinophilic Asthma and comorbid CRSwNP</b> Guy Brusselle (Ghent, Belgium), José Antonio Castillo Vizuete, Claus Bachert, Ignacio Dávila, Ludger Klimek, Martin Laudien, Peter Schmid-Grendelmeier, Veronica Seccia, Alessandra Vultaggio, Nadia Kallinikou, Laura Walrave
PA3992	<b>Type-2 comorbidities and severe asthma in a tropical middle-income country: the ISAR Colombia experience</b> Abraham Ali Munive (Bogotá (Cundinamarca), Colombia), Libardo Jiménez-Maldonado, Isabella Perna-Reyes, Diana Cano-Rosales, Leslie Vargas-Ramírez, Iván Solarte-Rodríguez, María José Fernández-Sánchez, Mauricio Durán-Silva, Eduardo Tuta-Quintero, Carlos A Torres-Duque
PA3993	<b>Longitudinal lung function changes in adult eosinophilic and non-eosinophilic asthma</b> Clarice Lim (Wien, Austria), Sylvia Hartl, Christoph Gross, Mohammad Azzadeh, Emiel Wouters, Marie-Kathrin Breyer, Robab Breyer-Kohansal
PA3994	<b>Asthma clusters from quantitative computed tomographic measurements in the lungs in CBiopred cohort</b> Changxing Ou (Guangzhou, China), Tingting Xia, Zhenan Deng, Yujing Liu, Guochao Shi, Minzhong Qiu, Xiaoyang Wei, Wei Gu, Jianping Zhao, Xiaoxia Liu, Shenghua Sun, Huaping Tang, Bei He, Shaoxi Cai, Ping Chen, Ping Chen, Lixin Xie, Kian Fan Chung, Meiling Jin, Shaohua Lu, QingLing Zhang
PA3995	<b>Impact of comorbidities on clinical outcomes in severe asthma- an analysis from the Swiss severe asthma registry</b> Fabienne Jaun (Liestal, Switzerland), Maria Boesing, Mathivannan Kanagarasa, Pierre-Olivier Bridevaux, Florian Charbonnier, Christian Clarenbach, Pietro Gianella, Lukas Kern, David Miedinger, Nikolay Pavlov, Thomas Rothe, Claudia Steurer-Stey, Christophe Von Garnier, Joerg Daniel Leuppi
PA3996	<b>Overuse of Short Acting Beta-2 Agonist (SABA) in asthmatics: relationship with lung function and airway inflammation</b> France Louis (Liège, Belgium), Virginie Paulus, Françoise Guissard, Geneviève Philippe, Renaud Louis, Florence Schleich
PA3997	<b>Mild/moderate asthma network of Italy (MANI): first data.</b> Benedetta Bondi (Genova, Italy), Irene Prediletto, Matteo Bonini, Giovanna Elisiana Carpagnano, Francesca Puggioni, Pierachille Santus, Luisa Brussino, Eleonora Nucera, Giulia Scioscia, Stefano Del Giacco, Manuela Latorre, Ilaria Baiardini, Laura Melissari, Maria Giulia Candelieri, Federica Terracciano, Marcello Mincarini, Giovanni Sotgiu, Francesco Blasi, Pierluigi Paggiaro, Giorgio Walter Canonica, Fulvio Braido
PA3998	<b>Asthma treatment adherence, where are we? Argentina's APPARENT 2 sub-analysis.</b> Gabriel García (City Bell, Argentina), Eva Ailín Vallejos, Laura Jousse, Angeles Galperin, Alejandra Grosso, Martin Zambelli, Lucas Perelli
PA3999	<b>Analysis of biological determinants that predict severe forms of COVID-19 in patients with chronic lung diseases</b> Constantin Ghimuş (Iasi, Romania), Daniela Robu Popa, Mona Elisabeta Dobrin, Oana Elena Melinte, Letitia Trofor, Roberta Cernat, Cristina Vicol, Antigona Trofor
PA4000	<b>Uncontrolled asthma in Primary care in Singapore</b> Mei Fong Liew (Singapore, Singapore), Wee Hian Tan, Ching Yee Tan, Hwee Luan Yap, Jaleelah Noor Mohamed, Genevieve Tan, Hui Fang Lim
PA4001	<b>Symptoms in Physician-Diagnosed Asthma: Differentiating Factors in Asthma Versus Non-Asthma Diagnoses</b> Margaret Gleeson (Limerick, Ireland), Padraic Ridge, Christina Campbell, Patrick Kerr, Ciara Ottewill, Elaine Machale, Deirdre Long, Dorothy Ryan, Daniel Ryan, Imran Sulaiman, Breda Cushen, Richard Costello
PA4002	<b>Clinical determinants and phenotypic evaluation of asthma in a North Indian population.</b> Ajay Kumar Verma (Lucknow (Uttar Pradesh), India), Shreya Tripathi, Anuj Kumar Pandey, Surya Kant, Jyoti Bajpai, Sarika Gupta, Prabhanshu Tripathi, Arpita Singh
PA4003	<b>Phenotypic characteristics of asthmatic patients with distal airways obstruction</b> Soumaya Ben Saad (Ariana, Tunisia), Nour Kallel, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

PS-15

Session 391

08:00 - 09:30

Poster session: What? Where? When? Advances in epidemiology and diagnosis of airways disease

Disease(s) : Airway diseases Interstitial lung diseases

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

Tag(s) : Clinical

Chairs : Marine Savouré (Barcelona, Spain), Gert-Jan Braunstahl (Rotterdam, Netherlands)

PA4004 **The prevalence and severity of allergic rhinitis in primary care**  
Howraman Meteran (Hvidovre, Denmark), Søren Brynald

PA4005 **Burden of asthma and health care resource utilization in patients with severe asthma and an eosinophilic phenotype: A US claims analysis**  
Rafael Alfonso-Cristancho (Collegeville, United States), Victoria Benson, Steven Gelwicks, R.K. Ramsanjay, Loretta Jacques, David Muccino, Jihye Park

PA4006 **Asthma and atopy in Angola: a cluster analysis**  
Margarete Lopes Teixeira Arrais (Luanda, Angola), Jorge M. R. Gama, Luis Taborda-Barata

PA4007 **Projected 20-Year Burden of Asthma in Singapore: Data from Population Real World Registry**  
Laura Huey Mien Lim (Singapore, Singapore), Yah Ru Juang, Mariko Siyue Koh, Mei Fong Liew, Ming Ren Toh, Gerald Xuan Zhong Ng, Yvonne Qi Feng Wong, Sean Shao Wei Lam, Jun Tian Wu, Narayanan Ragavendran, Anthony Chau Ang Yii, David Hsien Yung Tan, Zafar Zafari, Wenjia Chen

PA4008 **Initial data analysis of the SHARP CRC patient population reveals a large heterogeneity among European patients with severe asthma**  
Evangelia Fouka (Thessaloniki, Greece), Aruna T. Bansal, Fabienne Jaun, Kjell Erik Julius Håkansson, Kristina Bieksiene, Arnaud Bourdin, Marcus Butler, Georgio Walter Canonica, Zsuzsanna Csoma, Barbro Dahlén, Bilun Gemicioglu, Ineta Grisle, Liam Heaney, Enrico Heffler, Sanja Hromis, Piotr Kuna, Joerg Leuppi, Renaud Louis, Claudia Loureiro, Dora Lúðvíksdóttir, Florin Mihălțan, Sanja Grle Popovic, David Ramos-Barbon, Vratislav Sedlak, Svetlana Sergejeva, Sabina Skrgat, Anneke Ten Brinke, Valentyna Yasinska, Eleftherios Zervas, Florence Schleich, Celeste Porsbjerg, Apostolos Bossios

PA4009 **Prevalence, Clinical Features and Functional Outcomes of Hypersensitivity Pneumonitis: a real-life analysis in the Province of South Tyrol - Italy**  
Alessandro Zanforlin (Bolzano (BZ), Italy), Alex Pizzini, Patrizia De Nitto, Antonio Triani

PA4010 **Assessment of the frequency of allergic asthma to birch and grass pollen using ALYATEC patients database**  
Frédéric De Blay (Strasbourg, France), Thibaut Riff, Frank Dietsch, Nathalie Domis, Alina Gherasim

PA4011 **Skin prick test reactivity to common aeroallergens among a study population of 328 patients**  
Sameer Arbat (Nagpur (Maharashtra), India), Tulika Arbat, Bharat Agrawal

PA4012 **The Distribution of Allergen Sensitization and Screening Panel for Respiratory Allergic Diseases in Seven Geographical Regions of China: A multicenter study**  
Wenting Luo (Guangzhou (Guangdong), China), Baoqing Sun

PA4013 **Higher inflammatory eosinophil levels in eosinophilic bronchitis compared to mild allergic asthma**  
Christiane Whetstone (Hamilton, Canada), Imran Satia, John-Paul Oliveria, Karen Howie, Danica Brister, Nermin Diab, Caitlin Stevens, Jennifer Wattie, Lesley Wiltshire, Paul O'Byrne, Roma Sehmi, Gail Gauvreau

PA4014 **Clinical phenotyping in untreated paediatric and adult asthma: a systematic review**  
Miriam Bennett (manchester, United Kingdom), Ran Wang, Hannah Durrington, Waqar Ahmed, Stephen J Fowler

PA4015 **Eosinophilic Granulomatosis with Polyangiitis: Clinical Suspicion Red Flags Identification by a Systematic Literature Review and Multidisciplinary Expert Consensus**  
Ebymar Arismendi (Vilassar de Dalt, Barcelona, Spain), Marina Blanco Aparicio, Fernando Sanchez-Toril López, Francisco Perez-Grimaldi, Moises Labrador Horrillo, Ismael Garcia Moguel, Iñigo Rua Figueroa, Maria C Cid Xutgla, Roser Solans Laqué, Ana Noblejas Mozo, Georgina Espigol-Frigole, Francisco Ortiz-Sanjuan, José María Alvaro-Gracia, Ricardo Blanco, Christian Domingo Rivas

PA4016 **Diagnostic criteria for ABPA: a real-life comparison.**  
Chiara Gollinucci (Lessolo, Italy), Irene Pomerò, Giuseppe Guida, Stefano Pizzimenti, Stefano Levra, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Fabio Luigi Massimo Ricciardolo

PA4017 **Diagnostic bronchoscopy for allergic bronchopulmonary aspergillosis/mycosis**  
Koichiro Asano (Kanagawa, Japan), Katsuyoshi Tomomatsu, Jun Tanaka, Takashi Ishiguro, Hirokazu Taniguchi, Yoshikazu Yamaji, Naoki Koshimizu, Hidekazu Matsushima, Teruaki Nishiuma, Shigeaki Hattori, Tsuyoshi Oguma

**Clinical and serological profiles of 802 Allergic Broncho Pulmonary Aspergillosis (ABPA) patients across 23 centers in India**

- PA4018** Sushmeeta Chhowala (Mumbai (Maharashtra), India), Snehal Kulkarni, Rennis Davis, Deepandra Rai Kumar, Praveen Valsalan, Akashdeep Singh, Sheetu Singh, A R Paramez, Nagarjuna Maturu, Amit Dave, Aditya Jindal, Vishwanath Gella, Syamal Sarkar, Kaushik Saha, Raja Dhar, Abhinav Chaudhary, Rakesh Godra, Ruchi Dua, Prashant Chhajed, Surya Kant, Puneet Saxena, Rajendra Prasad, Babaji Ghewade, Mohit Agrawal, Suresh Ananthraj, Pooja Bhalekar, Swapnil Gadhav, Mangesh Chandolkar, Samruddhi Bhalare, Sapna Madas, Abhishek Sabale, Deesha Ghorpade, Jaideep Gogtay, Sandesh Sawant, Sundeep Salvi, Ritesh Agarwal

**HRCT and Chest X-ray findings in 802 Allergic Broncho Pulmonary Aspergillosis (ABPA) patients across 23 centers in India**

- PA4019** Sushmeeta Chhowala (Mumbai (Maharashtra), India), Sapna Madas, Rennis Davis, Deepandra Rai Kumar, Praveen Valsalan, Akashdeep Singh, Sheetu Singh, A R Paramez, Nagarjuna Maturu, Amit Dave, Aditya Jindal, Vishwanath Gella, Syamal Sarkar, Kaushik Saha, Raja Dhar, Abhinav Chaudhary, Rakesh Godra, Ruchi Dua, Prashant Chhajed, Surya Kant, Puneet Saxena, Rajendra Prasad, Babaji Ghewade, Mohit Agrawal, Suresh Ananthraj, Snehal Kulkarni, Swapnil Gadhav, Pooja Bhalekar, Mangesh Chandolkar, Sandesh Sawant, Jaideep Gogtay, Ritesh Agarwal, Sundeep Salvi, Deesha Ghorpade, Abhishek Sabale

**Risk factors and predictors of acute exacerbation in Allergic Bronchopulmonary Aspergillosis Patients**

- PA4021** Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Surya Kant, Ajay Verma, Shreya Tripathi

**Salivary ECP levels in patients with active rhinitis**

- PA4022** Diana Hristova (Sofia, Bulgaria), Damyan Vangelov, Antoaneta Decheva, Deyan Donchev, Vancho Donev, Georgi Nikolov, Maria Nikolova

**Comparative study between spirometry and impulse oscillometry in obstructive airway disease.**

- PA4023** shabina faruqi (mumbai, India), Deekshith Kolluri, Rahul Lokhande, Sanjay Gaikwad

PS-16

Session 392

08:00 - 09:30

**Poster session: Health impact of novel tobacco and nicotine products**

**Disease(s) :** Airway diseases Interstitial lung diseases Thoracic oncology Sleep and breathing disorders

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

**Tag(s) :** Basic science, Translational

**Chairs :** Elif Dagli (Istanbul, Turkey), Parris Williams (London, United Kingdom)

- PA4024** **What do resident doctors know about e-cigarettes? A cross-sectional nationwide survey from Turkey**  
İPEK ÇALIK (istanbul, Turkey), İPEK ÇALIK, Elif Dicle Aydın, Sibel Sakarya, Mehmet Baran Balcan, Öner Dikensoy

- PA4025** **Late Breaking Abstract - The impact of electronic cigarette use on sleep disorders: Asystematic review and meta-analysis of novel data**  
Ivan Cherrez-Ojeda (Guayaquil, Ecuador), Harold J Farber, Zouina Sarfraz, Karla Robles-Velasco, Adriana Pérez, Arturo Cortes-Telles, Patricia Pauletto, Azza Sarfraz, Juan C Calderon, Gabriela Rodas-Valero

- PA4026** **Late Breaking Abstract - Determinants of E-Cigarette Use Among Students in Ecuador: A Cross-Sectional Study**  
Ivan Cherrez-Ojeda (Guayaquil, Ecuador), Harold J Farber, Adriana Pérez, Sarah Valencia, Karla Robles-Velasco, Juan Calderon, Marco Faytong-Haro, Miguel Felix, Emanuel Vanegas, Ana Ochoa-Brito, Gabriela Rodas-Valero, Jose Cudalon Calderon, Priscilla Diaz Mora

- PA4027** **Prevalence, use characteristics and knowledge of electronic cigarettes among children in Bogotá, Colombia.**  
Luis Fernando Salazar Hortua (Bogotá D.C, Colombia), Diana Dayán Crispín Cruz, Nadia Juliana Proaños Jurado, Nelson Páez Espinel, Juan Pablo Rodríguez Gallego, Natalia Becerra Uribe, Juanita Agudelo Agudelo, Alejandro Casas Herrera, Carlos Eduardo Aguirre Franco

- PA4028** **Prevalence and characteristics of electronic cigarette use among students from public and private schools in Bogotá, Colombia.**  
Luis Fernando Salazar Hortua (Bogotá D.C, Colombia), Diana Dayán Crispín Cruz, Juanita Agudelo Agudelo, Carlos Eduardo Aguirre, Alejandro Casas Herrera, Juan Pablo Rodríguez Gallego, Nelson Páez Espinel, Elida Dueñas Mesa, Nadia Juliana Proaños

- PA4029** **Attitudes and behaviors regarding e-cigarettes in high-school and college students from Mexico.**  
Esperanza Figueroa Hurtado (Mérida (Yucatán), Mexico), Camila Nereyda Alvarez-Torres, Arturo Cortes-Telles

- PA4030** **Herb vaping produces carbonyls in mainstream smoke**  
Efthimios Zervas (Patra, Greece), Chara Tsipa, Niki Matsouki, Evi Bekou, Maria Markygianni

- PA4031** **Evaluation of the effects of PAKDAM, an invented water pipe shape device, to get Nitrous Oxide and Oxygen only instead of tobacco smoke - Tehran 2023**  
Gholamreza Heydari (Tehran, Islamic Republic of Iran)
- PA4032** **Carbonyls emissions in different brands and flavours of heated tobacco products**  
Efthimios Zervas (Patra, Greece), Niki Matsouki, Chara Tsipa, Evi Bekou, Maria Makrygianni
- PA4033** **A review of patient disclosure of cannabis and e-cigarette use in an acute medical cohort**  
Cara M Gill (Dublin, Ireland), Gillian Douglas, Emer Kelly, Orla O'Carroll
- PA4034** **Prevalence of e-cigarette use among students at a Medical School in Brazil: Preliminary results**  
Maria Antonia Souza de Castro (RJ, Brazil), Giuliana F. Machado, Mauro M. Zamboni, Paula N. R. Costa, Marcus B. Conte
- PA4035** **Knowledge of students at a Medical School in Brazil about risks of e-cigarette use: Preliminary results**  
Maria Antonia Souza de Castro (RJ, Brazil), Giuliana F. Machado, Mauro M. Zamboni, Paula N. R. Costa, Marcus B. Conte
- PA4036** **Heated tobacco products cause increased endothelial and platelet derived extracellular vesicles in healthy young adults**  
Gustaf Lyytinen (Höganäs, Sweden), Georgy Melnikov, Lukasz Antoniewicz, Magnus Lundbäck, Fariborz Mobarrez
- PA4037** **Associations of e-cigarette use with lung function and structure**  
Elizabeth Oelsner (New York, United States), Sarah Gerard, Diane Hawkins, Galen Ziaggi, Siyue Gao, Dona Sangapalaarchchi, Justin Liu, Maria Cepeda, Vesna Ilievski, Nancy Loiacono, Daichi Shimbo, Ana Navas-Acien, Eric Hoffman
- PA4038** **Synthetic cooling agents and nicotine analogs in new tobacco products: tobacco industry strategies to bypass regulation**  
Sven-Eric Jordt (Durham, NC, United States), Hanno C. Erythropel, Peter Silinski, Julie B. Zimmerman, Paul T. Anastas, Sairam V. Jabba
- PA4040** **Impact of disposables head-to-head to e-cigarettes, and combustible cigarettes on arterial stiffness**  
Klaas F. Franzen (Luebeck, Germany), Andrea Rabenstein, Christin Falarowski, Mareike Lüthgen, Dominik Edward Pawlak, Daniel Drömann, Tobias Rüter
- PA4041** **Plasma Nicotine Levels after Midwakh Smoking and its acute effects**  
Mohammed Al-Houqani (Al-Ain, United Arab Emirates), Afaf Alboushi, Priyay Yuvaraju, Awad Alessa, Charu Sharma
- PA4042** **World scientific production on waterpipe research**  
Efthimios Zervas (Patra, Greece), Niki Matsouki, Evi Bekou, Maria Makrygianni, Chara Tsipa

PS-18

Session 394

08:00 - 09:30

Poster session: Epidemiology of rare and common paediatric respiratory diseases

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Myrofora Goutaki (Bern, Switzerland), Karl Holden (Liverpool, United Kingdom)

- PA4063** **Treatment burden in primary ciliary dyskinesia in Switzerland**  
Yin Ting Lam (Zürich, Switzerland), Leonie Schreck, Laura Behan, Hansruedi Silberschmidt, Emilie Watellier, Claudia E. Kuehni, Francesco Pagnini, Myrofora Goutaki
- PA4064** **Fertility of people living with primary ciliary dyskinesia: Challenges and facilitators**  
Leonie Daria Schreck (Bern, Switzerland), Eva Sophie Lunde Pedersen, Yin Ting Lam, Sophie Meyer, Hansruedi Silberschmidt, Sara Bellu, Sofia Carolina Zambrano, Claudia E. Kuehni, Myrofora Goutaki
- PA4065** **Association of reported symptoms and lung function among people with primary ciliary dyskinesia**  
Myrofora Goutaki (Bern, Switzerland), Mirjam Koller, Yin Ting Lam, Leonie D. Schreck, Eva S.L. Pedersen, Christian Clarenbach, Andreas Jung, Elisabeth Kieninger-Latzin, Romain Lazor, Claudia E. Kuehni
- PA4066** **Clinical Features of Patients with Primary Ciliary Dyskinesia: Marmara University's Perspective**  
Mine Yüksel Kalyoncu (Istanbul, Turkey), Ela Erdem Eralp, Cansu Yilmaz Yegit, Muruvvet Yanaz, Aynur Gulieva, Merve Selçuk, Şeyda Karabulut, Neval Metin Çakar, Ceren Ayça Yıldız, Almala Pınar Ergenekon, Yasemin Gökdemir, Fazilet Karakoç, Bülent Karadağ
- PA4068** **French Guidelines on transition of adolescents with rare lung disease from pediatric to adult healthcare**  
Elora Peulier-Maitre (Paris, France), Myrofora Goutaki, Nadia Nathan, Maxime Patout, Sebastien Hascoet, Natacha Remus, Guillaume Thouvenin



PA4069	<b>Sickle cell disease-related pneumopathy: a bicentric cross-sectional study exploring respiratory function in pediatric drepanocytosis</b> Beatrice Andrenacci (Milan, Italy), Lucia Cerrato, Simone Gambazza, Mara Lelii, Barbara Madini, Alessia Rocchi, Nadia Mirra, Tommaso Mina, Maria Francesca Patria
PA4070	<b>Associations between prenatal findings and pre- and postnatal outcomes in Danish children with congenital pulmonary malformation</b> Dalia Karzoun (Aarhus, Denmark), , Cpm Research Group, Elisabeth Søgaard Christiansen, Frederik Fourinaies Buchvald, Kim Gjerum Nielsen, Sune Leisgaard Mørck Rubak
PA4071	<b>Airway abnormalities in children with congenital heart disease</b> Kamini Jain (Rugby, United Kingdom), Charlotte Williams, Marianne Elloy, Frances Bu'Lock
PA4072	<b>Who is missing? Health-related social risk factors in a paediatric complex respiratory and respiratory infection outpatient clinic</b> Kirstin Unger (Edinburgh, United Kingdom)
PA4073	<b>Tuberculosis screening in children:the impact of covid19 pandemic</b> Besma Hamdi (Tunis, Tunisia), yosra bellil, Sirine Arfa, Sabine Louhaichi, Syrine Abdelmoumen, Chaima Turki, Jamel Ammar, Agnes Hamzeoui
PA4074	<b>Experience of the last 10 years of the children's ambulatory oxygen therapy service (SOA) of the Chilean Ministry of Health.</b> Roberto Vera Uribe (Santiago, Chile), Alejandra Sutherland, Jose Pablo Redard M., Oriol Gonzalez B., Jordi Vilaró, Rodrigo Torres-Castro, Claudia Simeire Albertini, Daniel Zenteno Araos, Cristian Jara, Homero Puppo-Gallardo
PA4075	<b>Employing community Parent Champions is associated with reduced hospitalisation rates for bronchiolitis</b> Alice Lee (Liverpool, United Kingdom), Pieta Schofield, Dan Hawcutt, Ian Sinha, Iain Buchan
PA4076	<b>Risk factors for bronchiolitis admissions for extreme preterm infants across Liverpool</b> Amy Scott (Warrington, United Kingdom), Alice Lee, Jessica Watson, Olufemi Olajide, Ian Sinha, Daniel Hawcutt
PA4077	<b>Bronchiolitis severity and future healthcare utilization in healthy term infants</b> Ian Mitchell (Calgary (AB), Canada), Anna Solbak, James King, Candice Bjornson
PA4078	<b>Bronchiolitis Hospitalization Surge and Increased Severity Post-Pandemic: Italian Multicenter Study</b> Sergio Ghirardo (Trieste, Italy), Nicola Ullmann, Alessandro Zago, Michele Ghezzi, Marta Minute, Barbara Madini, Enza D'Auria, Cecilia Basile, Francesca Castelletti, Federica Chironi, Agata Capodiferro, Beatrice Andreacci, Francesco Maria Risso, Salvatore Aversa, Laura Dotta, Antonella Coretti, Anna Chiara Vittucci, Raffaele Badolato, Alessandro Amaddeo, Egidio Barbi, Renato Cutrera
PA4079	<b>High circulation of Respiratory Syncytial Virus in pediatric patients hospitalized with severe acute respiratory infection in Senegal, 2022-2023.</b> Mamadou Malado Jallow (Dakar, Senegal), Moussa Moise Diagne, Marie Pedepa Mendy, Mamadou Aliou Barry, Sara Sy, Ndiendé Koba Ndiaye, Déborah Goudiaby, Ndongo Dia
PA4080	<b>Prevalence of Common Respiratory Viruses in Infants following Coronavirus Disease-19 (COVID-19) Pandemic: A Proportional Meta-Analysis in The European Populations</b> Muhammad Pradhika Mapindra (London, United Kingdom), Muhammad Pradhiki Mahindra, Howard Clark, Jens Madsen
PA4081	<b>Short-term impacts of inhaled PM10-associated metals on cognitive and sensorimotor function in primary school aged children</b> Rosamund Dove (London, United Kingdom), Hajar Hajmohammadi, Ian Mudway, Luke Sartori, Amy Hall, Helen Wood, Megan Wood, Mark Mon-Williams, Chris Griffiths
PA4082	<b>Association between residential land use and childhood allergic rhinitis: The Espoo Cohort Study</b> Inês Paciência (Oulu, Finland), Aino K. Rantala, Harri Antikainen, Jan Hjort, Timo T. Hugg, Maritta S. Jaakkola, Jouni J.K. Jaakkola

PS-19

Session 395

08:00 - 09:30

### Poster session: Prematurity-associated respiratory sequelae, paediatric and neonatal respiratory support and monitoring techniques

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

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

**Tag(s) :** Clinical

**Chairs :** Anna Lavizzari (Milano (MI), Italy), Emanuela Zannin (Milano (MI), Italy)



PA4083	<b>Inflammation in exhaled breath condensate from children with prematurity-associated lung disease</b> Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Patricia Dos Santos Rodrigues, Kylie Hart, Michael Cousins, Sailesh Kotecha
PA4084	<b>Pulmonary desmosome protein expression increases following inhaler therapy in preterm-born children with bronchopulmonary dysplasia</b> Chris Course (Cardiff, United Kingdom), Philip Lewis, Sarah J Kotecha, Michael Cousins, Kylie Hart, W. John Watkins, Kate J Heesom, Sailesh Kotecha
PA4085	<b>Impaired responses to oxidative stress in the airways of preterm-born school-aged children with a history of bronchopulmonary dysplasia</b> Chris Course (Cardiff, United Kingdom), Philip Lewis, Sarah J Kotecha, Michael Cousins, Kylie Hart, Kate J Heesom, W John Watkins, Sailesh Kotecha
PA4086	<b>Late Breaking Abstract - In-vitro evaluation of a neonatal adaptation of an adult oscillometer for respiratory mechanics assessment</b> Davide Bizzotto (Milano (MI), Italy), Pasquale Pio Pompilio, Alessandro Gobbi, Raffaele Lorenzo Dellacà
PA4087	<b>Findings and complications of flexible bronchoscopy in infants with Bronchopulmonary dysplasia: a matched-control study</b> Inbal Golan-Tripto (Beer sheva, Israel), Noa Shemesh Gilboa, Micha Aviram, Aviv Goldbart, Guy Hazan, Noga Arwas, Itai Hazan, Daniel Yafit, Sergey Tsaregorodtsev
PA4088	<b>Lung function trajectories in very preterm infants</b> Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Maria Luisa Ventura
PA4089	<b>Telemedicine tools for paediatric patients on home mechanical ventilation</b> Mirella Gaboli (Sevilla, Spain), Macarena Borrero Rodriguez, María José García Jesús, Alejandro Palomo Pavón, Julia Begara Bueno, José Antonio Ruiz Becerra, Norma Sánchez Fernández
PA4090	<b>Human-to-AI interrater agreement for lung ultrasound scoring in lung disease of prematurity</b> Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Noreen Fatima, Federico Cattaneo, Umair Khan, Giulia Dognini, Xi Han, Maria Luisa Ventura, Libertario Demi
PA4091	<b>Metabolic and microbial dysregulation in preterm infants with neonatal respiratory distress syndrome: an early developmental perspective</b> Wenyi Yu (Beijing, China), Yanxu Bi, Wenjie Bian, Yukun He, Jiangli Xi, Shuming Guo, Ran Li, Zhancheng Gao
PA4092	<b>Volatile organic compounds and the relevance of background correction in the early prediction of bronchopulmonary dysplasia in preterm infants</b> Inès Ghys (Antwerp, Belgium), Kristien Vanhaverbeke, Basma Fathi Elsedawi, Lore Vandermeersch, Lise Claessens, Anna-Maria Leys, Louise Verhoustraeten, Nathalie Samson, Charlene Nadeau, Mathieu Durand, Basil J. Petrof, Preben Van Overmeiren, Patrick De Wispelaere, Kristof Demeestere, Herman Van Langenhove, Annelies Van Eyck, Kim Van Hoorenbeeck, Benedicte De Winter, Stijn Verhulst, Antonius Mulder, Jean-Paul Praud, Christophe Walgraeve, Kevin Lamote
PA4093	<b>Exhaled breath volatile organic compounds: window into preterm lung disease?</b> Kristien Vanhaverbeke (Opwijk, Belgium), Basma Fathi Elsedawi, Lore Vandermeersch, Lise Claessens, Anna-Maria Leys, Louise Verhoustraeten, Nathalie Samson, Charlene Nadeau, Mathieu Durand, Basil J Petrof, Preben Van Overmeiren, Patrick De Wispelaere, Kristof Demeestere, Herman Van Langenhove, Annelies Van Eyck, Kim Van Hoorenbeeck, Benedicte De Winter, Stijn L Verhulst, Antonius Mulder, Jean-Paul Praud, Christophe Walgraeve, Kevin Lamote
PA4094	<b>Pulmonary vascular malformations in genetic epileptic encephalopathy: a case report and future perspectives</b> Nicolò Garancini (Milano, Italy), Michele Ghezzi, Andrea Farolfi, Francesca Riccaboni, Vincenzo Guaia, Valentina Fabiano, Enza D'Auria, Gian Vincenzo Zuccotti
PA4095	<b>Factors associated with respiratory support weaning after 6 months post-menstrual age (PMA) in preterm infants with bronchopulmonary dysplasia (BDP)</b> Lauriane Coutier (Bron, France), Alma Garcia-Anton, Lelia Dreyfus, Aurélie Portefaix, Philippe Reix, Marine Butin
PA4096	<b>Lung function in infants with congenital diaphragmatic hernia.</b> Stefano Nobile (Rome, Italy), Paola Catalano, Francesca Riitano, Sara Silvaroli, Lorenzo Nanni, Maria Giulia Conti, Greta Di Mattia, Silvia Ceccanti, Giovanni Vento
PA4097	<b>Evaluating the introduction of Humidified High-Flow nasal cannula therapy into an Australian Aeromedical Service within a paediatric population: A retrospective cohort study.</b> Adelaide Lindsay Withers (Bayswater, Australia), Cameron Yap, Nicole Ghedina, Elaine O'Connell
PA4098	<b>Respiratory morbidity in 9-10-year-old children born moderate-late preterm</b> Cassidy Du Berry (Melbourne (VIC), Australia), Rheanna Mainzer, Tara Fitzgerald, Sarath Ranganathan, Lex Doyle, Liam Welsh, Jeanie Cheong

- PA4099 Cohort study on neonatal course and long-term outcome in children with congenital chylothorax**  
Heidi Schaballie (Belsele, Belgium), Koenraad Smets, Jo Van Dorpe, Nona Beullens
- 
- PA4100 HFNC do not change intubation rates in bronchiolitis: a retrospective multicenter study**  
Alessandro Amaddeo (Trieste, Italy), Giulia Capata, Tijana Grba, Stefan Kotlajic, Jelena Visekruna, Mihail Basa, Bojana Gojšina Parezanovic, Giorgio Cozzi, Federico Poropat, Giulia Zamagni, Milan Rodic, Aleksandar Sovtic
- 
- PA4101 Antenatal ambient pollution and impulse oscillometry in children from the Mother and Child in the Environment (MACE) birth cohort, Durban, South Africa**  
Nithiseelan Rajen Naidoo (Durban, South Africa), Prakash Jeena, Kareshma Ramcharan, Lisa Ramsay, Sheena Muttoo
- 
- PA4102 Late Breaking Abstract - Exhaled breath biomarkers in severe acute asthma admitted to the pediatric intensive care unit.**  
Claudia Gagliani (Palermo, Italy), Sarah Van Den Berg, Annabel Zaat, Yoni Van Dijk, Susanne Vijverberg, Paul Brinkman, Berber Kapitein

**PS-2 Session 396 08:00 - 09:30**

Poster session: The need for non-pharmacological interventions for severe asthma and post-COVID conditions

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

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

**Tag(s) :** Clinical

**Chairs :** Agnieszka Lewko (Coventry, United Kingdom), Enya Daynes (Leicester, United Kingdom)

- PA4103 Persistent symptoms in female long COVID patients: 30-months of follow-up**  
Anouk W. Vaes (Horn, Netherlands), Banchia Palmen, Maarten Van Herck, Yvonne M.J. Goërtz, Qichen Deng, Daisy J.A. Janssen, Chris Burtin, Martijn A. Spruit
- 
- PA4104 Understanding the Long-Term Effects of COVID-19: A Two-Year Follow-up Study in a Secondary Care Setting**  
Ritesh Kumar (Cambridge, United Kingdom), Susanna Mason, Tandeep Gill, Alex Wilkinson, Thida Win
- 
- PA4105 Evaluating post-COVID care: a retrospective cohort study into long-term symptoms**  
Edward Yeo (Leeuwarden, Netherlands), Edith Visser, Jolanda C. Kuijvenhoven
- 
- PA4106 Symptom variability in female long COVID patients**  
Anouk W. Vaes (Horn, Netherlands), Maarten Van Herck, Qichen Deng, Martijn A. Spruit
- 
- PA4107 Physical performance 5 and 12 months after hospital-discharge in COVID-19 survivors**  
Molly M Baldwin (Leicester, United Kingdom), Hamish Mcauley, Enya Daynes, Lorna Latimer, George Mills, William D Man, James D Chalmers, Ling-Pei Ho, Alex Horsley, Michael Marks, Krisnah Poinasamy, Betty Raman, Louise V Wain, Christopher E Brightling, Rachael A Evans, Sally J Singh, Neil J Greening, P Hosp-Covid Collaborative Group
- 
- PA4108 Correlation between lung function and functional capacity after inspiratory muscle training in post-COVID-19**  
Tamires Mori (Toronto, Brazil), Antonio Roberto Zamunér, Maria Eugenia Rossetti Borges, Eli Maria Pazzianotto-Forti, Marlene Aparecida Moreno
- 
- PA4109 Evaluation of a Hybrid, Digital and In-Person, Rehabilitation Programme for Long-Covid: A Multiple Stakeholder Mixed Methods Analysis**  
Andrew Simpson (Hull, United Kingdom), Laura Gale, Clare Killingback, Caroline Duke, Adam Fenwick, Daniel Moore, Angela Williams, Mark Pearson, Michael Crooks
- 
- PA4111 Is there a difference to the social determinants of health for those who complete a COVID rehabilitation assessment compared to those who decline/ drop-out?**  
Nikki Gardiner (Leicester, United Kingdom), Enya Daynes, Linzy Houchen-Wolloff, Sally J Singh
- 
- PA4112 Repetitive transcranial electromagnetic stimulation, RTMS, does improve fatigue, depression and cerebral symptoms in severe Long COVID syndrome.**  
Gerhard Laier-Groeneveld (Bochum, Germany), Susanne Maus
- 
- PA4113 Rehabilitation improves post-Covid-19 sequelae regardless of time, age, gender, or disease severity**  
Andreas Asimakos (Athens, Greece), Stavroula Spetsioti, Spyros Metzelopoulos, Archontoula Antonoglou, Dimitrios Spaggoulakis, Spyros Zakynthinos, Antonios Kontaxakis, Aspasia Mavronasou, Anastasia Kotanidou, Ioanna Dimopoulou, Paraskevi Katsaounou

- PA4114 Multi-disciplinary supervised home based pulmonary tele-rehabilitation (tele-PR) program improves outcomes of patients with chronic respiratory diseases (CRD)**  
Hoi Yee Kwan (Hong Kong, Hong Kong), Pui Ying Choi, Cherry W L Lau, Amy Y Y Tsui, William N Ko, Iris S Y Kong, Hiu Wa Ho, Ryan Y F Cheng, Sai On Ling, Desmond C K Tseng, Chie Wai Yim, Pui Kin Ng, Dora Chan, Kenneth Leung, Thomas Y W Mok
- PA4115 Comparison of different clinical control instruments to detect the change caused by physical exercise in people with moderate to severe asthma**  
Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), Vitória Zacarias Cervera, David Halen Araujo Pinheiro, Alberto Cukier, Regina Maria De Carvalho Pinto, Celso Ricardo Fernandes Carvalho
- PA4116 Understanding breathlessness in asthma: cross-sectional study on breathlessness burden and psychophysiological correlates**  
Hayley Lewthwaite (Merewether, Australia), Peter G Gibson, Paola D Urroz Guerrero, Amber Smith, Vanessa L Clark, Anne E Vertigan, Sarah A Hiles, Brooke Bailey, Janelle Yorke, Vanessa M McDonald
- PA4117 Stakeholders' top 10 strategies to improve sedentary behaviour in severe asthma**  
Paola Urroz (Newcastle, Australia), Vanessa McDonald, Peter Gibson, Eleanor Majellano, Hayley Lewthwaite
- PA4118 Relation between treatable traits, treatment (Tx) choices and symptom control/exacerbation (exac) risk in moderate-severe asthma**  
Gabriel García (City Bell, Argentina), Pierluigi Paggiaro, Nicolas Roche, Sean Oosterholt, Janna Duong, Manish Verma, Anurita Majumdar, Maximilian Plank, Shalini Girotra, Oscar Della Pasqua
- PA4119 Comparison between 8 or 12 weeks of aerobic exercise training in subjects with moderate to severe asthma**  
Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), David Halen Araujo Pinheiro, Vitoria Zacarias Cervera, Alberto Cukier, Regina Maria Carvalho-Pinto, Celso Ricardo Fernandes Carvalho
- PA4120 Effectiveness of pulmonary rehabilitation on severe asthma outcomes: a pre-post study**  
Emilie Margoline (Lille, France), Emeline Cailliau, Sarah Gephine, Stéphanie Fry, Olivier Le Rouzic, Jean-Marie Grosbois, Cécile Chenivresse
- PA4121 Non-pharmacological pulmonary rehabilitation in the alpine altitude climate as add-on corticosteroid-sparing treatment for uncontrolled severe asthma patients**  
Karin Fieten (Davos, Switzerland), Marieke Drijver, Rolf Wolters, Bart Hilvering, Susanne Vijverberg, Els Weersink
- PA4122 Reporting of identity characteristics in Long COVID physical rehabilitation interventions: a scoping review**  
Lucy Gardiner (Leicester, United Kingdom), Hannah M Young, Holly Drover, Emily Morgan-Selvaratnam, Enya Daynes, Mark Orme, Rod S Taylor, Sally J Singh, Rachael A Evans

PS-20

Session 397

08:00 - 09:30

## Poster session: Rethinking respiratory muscles in health and disease

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

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

Tag(s) : Clinical

Chairs : Alda Marques (Aveiro, Portugal), Nicola Sante Diciolla (Madrid, Spain)

- PA4123 Impact of supplementary air-stacking (AS) on the effect of inspiratory muscle training (IMT) in patients with Late Onset Pompe Disease (LOPD): preliminary results from a multicenter cross-over randomized Trial.**  
Elena Compalati (Milano, Italy), Diego Poddighe, Grazia Crescimanno, Salvatore Andrea Sciuarello, Rosario Di Marco, Marta Lazzeri, Giuseppe Russo, Marco Confalonieri, Agata Lax, Paolo Banfi
- PA4124 Respiratory Muscle Training using the Novel Multifunctional Respiratory Device during the Mid-postoperative Period following Cardiac Surgery: A Real-Life Pilot Study.**  
Nicolas Peña Novoa (Floridablanca, Colombia), Emerson Rincón Castillo, Sandra Sanabria Barrera Phd, Angela Espitia, Alba Ramírez-Sarmiento Pt, Phd, Mauricio Orozco-Levi, Md, Phd, Msc.
- PA4125 InspireGBs – inspiratory muscle training in people with Guillain-Barré syndrome: a feasibility study**  
José Miguel Lopes Peixoto de Almeida (Senhora Da Hora, Portugal), João Carlos Winck, Alda Marques
- PA4126 The effect of inspiratory muscle training in individuals with post-COVID-19 condition**  
Anna Törnberg (Stockholm, Sweden), Anna Svensson-Raskh, Annie Svensson, Carl Hallberg, Alexandra Halvarsson, Elisabeth Rydwik, Judith Bruchfeld, Malin Nygren-Bonnier

PA4127	<b>Effect of high- and low-intensity inspiratory muscle training on weaning outcomes in patients with weaning difficulties: RCT, IMweanT study</b> Marine Van Hollebeke (Leuven, Belgium), Diego Poddighe, Mariana Hoffman, Beatrix Clerckx, Jan Muller, Zafeiris Louvaris, Greet Hermans, Rik Gosselink, Daniel Langer
PA4128	<b>Learning effect of respiratory muscle endurance tests in healthy adults</b> Ana Lista Paz (A Coruña, Spain), Margarita Barral-Fernández, Loena Van Baelen, Linde Holmstock, Daniel Langer
PA4129	<b>Effect of functional inspiratory muscle training in chronic kidney disease</b> Merve Firat (Kırşehir, Turkey), Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Selin Ardali-Duzgun, Tolga Yildirim, Ahmet Hakan Ates, Naciye Vardar-Yagli
PA4130	<b>Effects of inspiratory muscle training on cardiovascular autonomic functions in patients with COPD</b> Sauwaluk Dacha (Chiang Mai, Thailand), Pairoj Suraprapapich, Benjamas Chuaychoo, Wattana B. Watanapa
PA4131	<b>Efficacy of inspiratory muscle training compared to incentive spirometry in preoperative protocol for bariatric surgery</b> Luciana Chiavegato (São Paulo (SP), Brazil), Monise Alexandra Da Silva, Vinicius Carlos Iamonti
PA4132	<b>The effects of inspiratory muscle training on oxygen consumption and quality of life in patients post-COVID-19 syndrome with pulmonary involvement</b> Başak Kavalcı Kol (Kırşehir, Turkey), Ece Baytok, Nilgün Yılmaz Demirci, Meral Boşnak Güçlü
PA4133	<b>Continuous measurements of respiratory muscle blood flow and oxygen consumption using non-invasive frequency domain near-infrared spectroscopy and diffuse correlation spectroscopy</b> Antenor Rodrigues (Toronto, Canada), Kazuya Shingai, Carlos A. Gómez, Peter Rassam, Dmitry Rozenberg, Ewan Goligher, Laurent Brochard, Darren Roblyer, W. Darlene Reid
PA4134	<b>Use of the expiratory flow accelerator during training in COPD pulmonary rehabilitation program</b> Salvatore Musella (Napoli, Italy), Elena Sciarrillo, Sarah Passacantilli, Francesco D'Abrosca, Ilerando Meoli, Giuseppe Fiorentino
PA4135	<b>Lower limit of normality of the cross-sectional area of peripheral muscles and diaphragm measurements performed by ultrasound in newborns</b> Evelim Gomes (São Paulo (SP), Brazil), Maria Fernanda Martins, Angelica Leite, Gabrielle Kosiak, Etienne Carvalho
PA4137	<b>Longitudinal Analysis of Respiratory Muscle Strength Recovery in Post-COVID-19 Patients: A Comparative Study of Acute and Long-Term Outcomes in Moderate to Severe Cases</b> Cassia Goulart (São Carlos, Brazil), Jean Carlos Coutinho, Ana Clara Gonçalves Da Costa, Marcela Lopes Alves, Maurício Milani, Robson Fernando Borges, Ana Cleides, Luis Vicente Franco De Oliveira, Vinicius Zacarias Maldaner Da Silva, Graziella França B. Cipriano, Gerson Cipriano Junior
PA4138	<b>Relationship between dynamic inspiratory pressure and functional capacity in kidney transplant recipients: a pilot study</b> Merve Firat (Kırşehir, Turkey), Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Tolga Yildirim, Naciye Vardar-Yagli
PA4139	<b>Effects of inspiratory muscle training on upper extremity functional exercise capacity and muscle oxygenation in patients with parkinson's disease: a pilot study</b> Musa Güneş (Karabük, Turkey), Meral Boşnak Güçlü, Ayşenur Güvenir, Hatice Ayşe Tokçaeer Bora
PA4140	<b>Maximal sniff nasal inspiratory pressure reference equations: a multicentre study</b> Ana Lista Paz (A Coruña, Spain), Rodrigo Torres-Castro, Daniel Langer, Luz González Doniz, Sonia Souto Camba, Margarita Barral-Fernández, M. Amalia Jácome Pumar, Jordi Vilaró, Elena Gimeno-Santos, Ane Arbillaga-Etxarri, Ana B Varas De La Fuente, Cristina Serrano Veguillas, Pilar Bravo Cortés, Esther García, Concepción Martín Cortijo, José Luis Varela Felices, Rocío Martín-Valero, Beatriz Herrero-Cortina, Marina Francín Gallego, Carolina González Montáñez, Antonio T. Ríos Cortés, Yolanda Sanesteban Hermida, Esther Giménez Moolhuyzen, Jorge Álvarez Rivas, Guilherme Fregonezi, Alejandro Quintela Del Río
PA4141	<b>Respiratory muscle electrical activity during nasal respiratory strength test in different positions in ALS and health subjects</b> Guilherme Fregonezi (Rio Grande do Norte, Brazil), Ana Maciel, Ana Marcelino, Lailane Saturnino, Karen Pondofe, Mario Emilio Teixeira Dourado Jr, Jessica Medeiros, Vanessa Resqueti
PA4142	<b>Pressure transmission in the upper airways during Inspiratory muscle training (IMT).</b> Tiina Andersen (Bergen, Norway), Petrine Veierod Solli, Anne Kristine Brekka, Ola Drange Roksund, Astrid Sandnes, Maria Vollseter, Hege Clemm, Merete Salveson Engeset, Thomas Halvorsen

PS-21

Session 398

08:00 - 09:30

Poster session: Nursing and digital health

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

**Method(s) :** General respiratory patient care Palliative care Pulmonary rehabilitation Public health Pulmonary function testing  
Physiology Imaging Epidemiology

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right, Clinical

**Chairs :** Ricardo Salgado (Lausanne, Switzerland), Liliana Silva (Matosinhos, Portugal)

- PA4143** **Wearable technology usage for asthma patients in Turkey**  
Gamze Oğuz Erdem (Kagithane/Istanbul, Turkey), Sibel Yolcu, Andreja Šajnić
- 
- PA4144** **A digital self-management programme (BreathTec) to support mental health in patients with a chronic respiratory disease: A retrospective analysis.**  
Matthew Armstrong (Durham, United Kingdom), Graham Burns, Karen Heslop-Marshall
- 
- PA4145** **Telemonitoring of severe asthma**  
Lucía Méndez González (Santa Maria da Feira, Portugal), Cristina Leite, Cristiana Cruz, Jose Coutinho, Catia Caneiras, Jorge Ferreira
- 
- PA4146** **Beyond a patient-initiated helpline: targeting nurse support at a UK ILD Centre**  
Karen Parsons (Oxford, United Kingdom), Carmine Ruggiero, Shakila Hussain, Emily Fraser, Ling-Pei Ho, Peter Saunders, Rachel K Hoyles
- 
- PA4147** **A digital self-management programme (BreathTec) to support patients with a chronic respiratory disease: A retrospective analysis of breathlessness techniques.**  
Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Graham Burns, Matthew Armstrong
- 
- PA4148** **Nurse led telehealth interventions in COPD patients**  
Merve Kıymaç Sarı (Ataşehir, Turkey), Melis Şen Yılmaz, Raşan Çevik Akyıl
- 
- PA4149** **Effects of respiratory telerehabilitation on quality of life in patients with post COVID-19 condition: meta-analysis**  
Andrés Calvache Mateo (Granada, Spain), Julia Raya Benítez, Ana Belén Gámiz Molina, Pilar García González, Irene Calles Plata, Marie Carmen Valenza
- 
- PA4150** **Health status and fatigue before and after COVID-19**  
Marie Carmen Valenza (Granada, Spain), Laura Pérez Gisbert, Lorena Quiles Pardo, Concepción Morales García, María Victoria González Gutiérrez, Irene Torres Sánchez
- 
- PA4151** **Implementation of Shared Decision Making in monitoring patients with lung disease and/or heart disease- ADLIFE project**  
Anne Dichmann Sorknæs (Vester Skerninge, Denmark), Natassia Kamilla Juul, Gokce Banu Laleci Erturkmen, Gökkan Yılmaz, Rikke Lyngholm
- 
- PA4152** **Enhancing Health Outcomes: A Lifestyle Adjustment Program for Long COVID-19 Patients - A Randomized Control Trial**  
Alba Navas-Otero (Granada, Spain), Geraldine Valenza-Peña, María Granados-Santiago, Javier Martín-Núñez, Araceli Ortiz-Rubio, Marie Carmen Valenza
- 
- PA4153** **Effect of physical activity Coaching on exercise capacity in lung cancer survivors at short and mid-term: Meta-Analysis**  
Alejandro Heredia Ciuró (Granada, Spain), Ana Belen Gámiz Molina, Julia Raya-Benitez, Andrés Calvache-Mateo, Laura López-López, Marie Carmen Valenza
- 
- PA4154** **Relationships between respiratory disturbance and health status in fibromyalgia patients**  
Alba Navas-Otero (Granada, Spain), Leila Palomino-Toro, Geraldine Valenza-Peña, Andrés Calvache-Mateo, Araceli Ortiz-Rubio, Marie Carmen Valenza
- 
- PA4155** **The effectiveness of breathing exercise in fibromyalgia syndrome: a pain meta-analysis**  
Marie Carmen Valenza (Granada, Spain), Javier Martín Núñez, Geraldine Valenza Peña, Andrea María Mendoza Barrios, Irene Calles Plata, Araceli Ortiz Rubio
- 
- PA4156** **Physical activity levels in lung cancer patients after receiving radiotherapy treatment**  
Alejandro Heredia Ciuró (Granada, Spain), Paula Blasco-Valls, Isabel Castillo-Perez, Javier Martin-Nuñez, Sofia Hernández-Hernández, Marie Carmen Valenza
- 
- PA4157** **Comparison of IOS and Spirometry as Lung Function Tests in a childhood acute lymphoblastic leukemia (ALL) survivors cohort and a helathy controls group**  
dorthe Hausted (Århus N, Denmark), Anne Marie Ryberg, Sonja Izquierdo Riis Meyer, Sune Leisgaard Mørk Rubak
- 
- PA4158** **Patients' perspectives on an educational course for Idiopathic Pulmonary Fibrosis (IPF)**  
Camilla Bjerre Andersen (Odense Nv, Denmark), Jill Thomsen, Stephanie Paag Svane, Helle Marie Christensen



- PA4159 Paramedic Awareness of Inhaler Devices – PAID survey**  
Subhadip Pal (Kolkata (West Bengal), India), Soumyadeep Ghosh, Subhajit Ghosh
- 
- PA4160 Determination of profitability in salivary sample swab for alfa-1-antitrypsin deficiency genetic study in patients with obstructive airway disorder**  
Walther Ivan Giron Matute (Madrid, Spain), Angela Gomez Sacristan, Zichen Ji, Raquel Teran Marcos, Maria Parra Galeano, Elena Marina Fernandez Garcia, Luis Puente Maestu
- 
- PA4161 Post-COVID-19 sequelae depending on the severity of the disease**  
Marie Carmen Valenza (Granada, Spain), Laura Pérez Gisbert, Rocío Pazo Palacios, Concepción Morales García, María Victoria González Gutiérrez, Irene Torres Sánchez
- 
- PA4162 Pain related psychosocial variables of post COVID-19 condition patients with new-onset chronic pain 2 years post-infection**  
Andrés Calvache Mateo (Granada, Spain), Alba Navas Otero, Julia Raya Benítez, Irene Calles Plata, Araceli Ortiz Rubio, Marie Carmen Valenza

PS-22

Session 399

08:00 - 09:30

## Poster session: Tuberculosis and comorbidities: clinical aspects

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

Method(s) : Public health General respiratory patient care Epidemiology Pulmonary function testing Pulmonary rehabilitation Imaging

Tag(s) : Clinical

Chairs : Christoph Lange (Borstel, Germany), Akhlesh Rajpoot (Almora, India)

- PA4163 Effects of ICS in patients with COPD on the clinical presentation of pulmonary tuberculosis**  
Chun Hoi Chen (Kowloon, Hong Kong), Yiu Cheong Yeung, Yu Hong Chan, Man Ying Ho
- 
- PA4164 Impact of Tuberculosis on lung function: Describing PTLD in Latin America**  
Angela Maria Giraldo Montoya (Pereira, Colombia), Giovanni García Castro, Luisa Fernanda Sierra Garzon, Gloria Stefany Fernandez Cabrera, Jose William Martinez, Juan Camilo Martinez, Doris Marcela Garcia, Sarita Patiño, Ricardo Betancourt
- 
- PA4165 Tuberculosis treatment outcome in elderly patients: a retrospective monocentric observational study**  
Lucia Allavena (Milano, Italy), Irene Sini, Maurizio Ferrarese, Alice Claudia Repposi, Marco Mantero, Francesco Blasi, Luigi Ruffo Codecasa
- 
- PA4166 Healthcare diagnostic delay of Tuberculosis in Portugal – is education the key?**  
Filipa Joao da Silva Santos Ribeiro de Jesus (Chaves, Portugal), Maria Francisca Barros, Ana Isabel Ribeiro, Oscar Felgueiras, Raquel Duarte
- 
- PA4167 An in-depth exploration of coping with Multidrug Resistant Tuberculosis: A Qualitative study**  
ARCHANA MALIK (Deoghar, India), Ananada Datta, Pratima Gupta, Jahnvi G, Vinayagmoorthy V, Bijit Biswas, Sarthak Das
- 
- PA4168 Assessment of the psychological state in patients with drug-resistant pulmonary tuberculosis (DR-TB)**  
Rostyslav Liubevych (Kyiv, Ukraine), Natalia Lytvynenko, Yuliia Senko, Svitlana Korotchenko, Valentyna Davydenko, Lesya Shcherbakova, Oksana Chobotar, Tetiana Senko
- 
- PA4169 The Tuberculosis-Cancer Conundrum – Experience of 1000 patients at a tertiary cancer centre**  
Karmay Shah (AHMEDABAD, India), Owais Tisekar, Aayushi Gupta, Anish Lodha, Pranavi Amin, Kriti Yc, Anshu Punjabi, Pavankumar Biraris, Sandeep Tandon, Maheema Bhaskar
- 
- PA4170 Factors influencing the management delays of pulmonary tuberculosis in a Tunisian population**  
Siwar Rejeb (tunis, Tunisia), Haifa Zaibi, Ala Rahmouni, Emna Ben Jemia, Hend Ouertani, Jihen Ben Amar, Hichem Aouina
- 
- PA4171 Drug abuse: does it change the profile and prognosis of pulmonary tuberculosis?**  
Haifa Zaibi (Tunis, Tunisia), Ala Rahmouni, Siwar Rejeb, Emna Ben Jemia, Hend Ouertani, Jihen Ben Amar, Hichem Aouina
- 
- PA4172 BCG-itis incidence and seriousness among patients treated with intravesical BCG**  
Christian Niels Meyer (Roskilde, Denmark), Bakir N I Al-Jarah I, T. Freja M Fornander, Juan L Vasquez
- 
- PA4173 Blended Learning Course for Tuberculosis Case Managers: effectiveness and satisfaction**  
I Wen Chang (Taipei, Taiwan), Yan Zhen Lin, Jann Yuan Wang

- PA4175** **Effect of complicated, untreated, and uncontrolled diabetes and pre-diabetes on treatment outcome among patients with pulmonary tuberculosis**  
Kyung Hoon Kim (Incheon, Republic of Korea), Joong Hyun Ahn, Ju Sang Kim, Hyung Woo Kim, Eung Gu Lee, Yeonhee Park, Jinsoo Min
- PA4176** **Risk factors associated with sputum smear and culture non-conversion following intensive phase treatment in pulmonary tuberculosis patients: a systematic review and meta-analysis**  
Phumipat Pipattanasak (Nakhon Nayok, Thailand), Nichakorn Nimtawat, Pichaya Petborom
- PA4177** **Factors associated with depression among elderly tuberculosis patients: a prospective multicenter cohort study**  
Ahran Kim (Seoul, Republic of Korea), Jeewon Lee, Hyung Woo Kim, Ju Sang Kim, Yousang Ko, Eung Gu Lee, Yeonhee Park, Sang Haak Lee, Jinsoo Min
- PA4178** **The risk factors for severe evolution of SARS-CoV-2 infection in association with pulmonary tuberculosis**  
Tatiana Osipov (Chisinau, Republic of Moldova), Alina Malic, Adriana Niguleanu, Evelina Lesnic
- PA4179** **Risk factors for sputum-smear positive in active tuberculosis patients**  
Daoyan Tang (chengdu, China), Jianqing He
- PA4180** **Impact of Post-Tuberculosis Lung Disease on Clinical Presentation and Quality of Life: Insights from a Pilot Prospective Cohort in Latvia**  
Linda Šetlere (Riga, Latvia), Liga Kukša, Vija Riekstina, Nityanand Jain
- PA4181** **Pulmonary tuberculosis and smoking: When two public health problems converge**  
Sonia Maalej (Tunis, Tunisia), Chaima Turki, Houda Rouis, Chirine Moussa, Chaima Jnayah, Souha Abdelneji, Ibtihel Khouaja, Ines Zendah

PS-23

Session 400

08:00 - 09:30

## Poster session: Infection as a factor in chronic lung disease

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

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

Tag(s) : Clinical

Chairs : Sanjay Haresh Chotirmall (Singapore, Singapore), Najlaa Abass (Khartoum, Sudan)

- PA4182** **The roles of bacteria and viruses in COPD-Bronchiectasis association: A prospective cohort study**  
ZHENFENG HE (Guangzhou, China), Shengzhu Lin, Shanshan Zha, Nan-Shan Zhong, Wei-Jie Guan
- PA4183** **Sputum Microbiome and clinical outcomes of Asthma-Bronchiectasis Overlap: A Prospective Cohort Study**  
Jiahui He (Guangzhou, China), Xiaoxian Zhang, Zhenfeng He, Zhaoming Chen, Weijie Guan, Zhang Wang
- PA4184** **The impact of mannose-binding lectin (MBL) deficiency on bronchiectasis in Alpha-1 Antitrypsin Deficiency**  
Camilla Conta (Howth, Ireland), Suzanne Roche, Daniel D. Fraughen, Malcolm Herron, Ronan Heeney, Orla Holmes, Cedric Gunaratnam, Tomás P. Carroll, Noel Gerry Meelvaney
- PA4186** **Urban-rural disparities in pneumonia in chronic obstructive pulmonary disease in Denmark: a nationwide register-based cross-sectional study**  
Anders Løkke (Vejle, Denmark), Allan Klitgaard, Rikke Ibsen, Ole Hilberg
- PA4187** **Oxygenated Hemoglobin: An Indicator of Severe Community-Acquired Pneumonia in Chronic Obstructive Pulmonary Disease Patients**  
Warda Jelassi (Tunis, Tunisia), Sonia Toujani, Khadija Euchti, Sana Cheikhrouhou, Yacine Ouahchi, Meriem Mjid, Abir Hedhli, Besma Dhahri
- PA4188** **Both Phage and vaccine Prevenar-13 prevent patients with COPD from community acquired pneumonia**  
Rano Nalibaeva (Tashkent, Uzbekistan), Irina Liverko
- PA4189** **The relationship between nasopharyngeal, oropharyngeal and sputum microbiota in patients with Chronic Obstructive Pulmonary Disease**  
Ellie Kewin (Dundee, United Kingdom), Hollian Richardson, Chandani Hennayake, Daniela Alferes De Lima Headley, Merete Long, James D Chalmers, Alison J Dicker
- PA4190** **Increased burden of respiratory syncytial virus (RSV) disease in adults with asthma: a systematic literature review (SLR)**  
Yolanda Penders (Wavre, Belgium), Estefania Betancur, Pouya Saeedi, Lauriane Harrington, Jean-Philippe Michaud

- PA4191** **Evaluating the impact of short-chain fatty acids on lung cell physiology and antibiotic susceptibility of respiratory pathogens in COPD**  
Gilles De Meester (Ghent, Belgium), Merel Wauters, Lukas Fabri, Tom Coenye, Aurélie Crabbé
- PA4192** **Microbiology in Swedish patients with bronchiectasis and comorbid airway disease: Data from a tertiary European Bronchiectasis registry (EMBARC) center.**  
Nimo Osman (Stockholm, Sweden), Pia Ghosh, Malin Sande, Nikolaos Lazarinis, James D Chalmers, Anders Lindén, Apostolos Bossios
- PA4193** **Long-term antimicrobial trends in people living with chronic lung disease: An AMR-Lung ERS clinical research collaborative proof-of-concept study**  
Freddy Frost (Liverpool, United Kingdom), Miquel Ekkelenkamp, Stephanie Thee, Anand Shah
- PA4194** **Airway Thickening, Mucus Plugs and Eosinophilia in Bronchiectasis and Asthma**  
Tjeerd van der Veer (Amsterdam, Netherlands), Gert-Jan Braunstahl, Punit Makani, Harm Tiddens
- PA4195** **Alpha-1 antitrypsin genotype and Pseudomonas aeruginosa chronic airway infection in bronchiectasis patients**  
Ane Martinez (Barcelona, Spain), Carmen Lores, Mireya Fuentes, Javier Burgos, Letizia Traversi, Eva Polverino, Lidia Perea, Oriol Sibila, Guillermo Suárez-Cuartín
- PA4196** **Bronchoscopic innovations in managing atypical lung infections: A Case Series**  
Shyam Krishnan (Kolkata (West Bengal), India), Amrita Bhattacharyya, Soumya Mishra, Nivedita Bhattacharjee, Aritra Maity, Deepnarayan Mukherjee, Raja Dhar
- PA4197** **Burden of viral infections in an acute respiratory unit.**  
Melissa Ferraris (Genoa, Italy), Cesare De Tommaso, Nicole Colombo, Stefano Mangano, Fulvio Braido
- PA4198** **Exploring patient characteristics and respiratory impacts of pulmonary melioidosis: A 5-year experience from endemic region of Thailand**  
Jinjuta Ngeyvijit (Bangkok, Thailand), Chawakorn Payackpunth, Pattawee Saengmongkonpipat, Subencha Pinsai, Vorakamol Phoophiboon
- PA4199** **Improving outcomes in bronchiectasis through a treatable traits approach- an implementation study**  
Kirsty Watson (Lammermoor, Australia), Annemarie Lee, Tiffany Dwyer, Zoe Mc Keough
- PA4200** **Late Breaking Abstract - Interleukin-6 as a potential therapeutic target for the management of pleural infection**  
Amerikos Argyriou (Bristol, United Kingdom), Fergus Hamilton, Karen Elvers, Steve Walker, Nicholas Maskell, David Arnold

PS-24

Session 401

08:00 - 09:30

## Poster session: Lung cancer with comorbidity- and risk factor-tinted spectacles

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

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

Tag(s) : Clinical

Chairs : Gianna Vargas Centanaro (Madrid, Spain), Armin Frille (Leipzig, Germany)

- PA4201** **Biofuel pollution: a risk factor for COPD and bronchogenic carcinoma**  
Fatima ezzahra Haouassia (Casablanca, Morocco), Nahid Zaghba, Khadija Chaanoun, Hanane Benjelloun, Hanaa Harraz, Najiba Yassine
- PA4202** **COPD and pulmonary emphysema as prognostic factors in patients with non-small cell lung cancer receiving immunotherapy**  
Marcos Becerra Aineto (MALLORCA, Spain), Aitor Azkarate Martínez, Amanda Iglesias Coma, David Budau, Ana Sofia De Freitas Matos Parreira, Esther Martínez Font, María Belén Núñez Sánchez, Jaume Sauleda Roig
- PA4203** **COPD as a comorbidity in lung cancer**  
Pontus Mertsch (Munich, Germany), Julia Walter, Blerina Resuli, Diego Kauffmann-Guererro, Jeremias Götschke, Kathrin Kahnert, Juergen Behr, Amanda Tufman
- PA4204** **Clinical trial interest from patients with COPD approached after Lung Cancer Screening**  
Tanya Patrick (London, United Kingdom), Arafa Aboelhassan, Marta Parenti, Alice Mugambwa, Jayce Moody, Nia Voase, Katherine Blackstone, Anika Macwan, Kim Scully, Silvia Cano, Sarah Doffman, Maria Belvisi, Aryn Bhamani, Sam M Janes, John R Hurst
- PA4205** **Efficacy of Immune Checkpoint Inhibitor on Non-Small Cell Lung Cancer with Chronic Obstructive Pulmonary Disease**  
huohuo zhang (Chengdu, China), Weimin Li

- PA4207 Assessing causality between frailty and lung cancer: A bi-directional Mendelian randomization analysis**  
Chuansen Fang (Beijing, China), Yanming Li, Bingxuan Weng
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- PA4208 Emphysema, COPD and smoking burden among lung cancer survivors with a second primary lung cancer compared with patients with just one primary lung cancer.**  
Matilde Sangro Prieto (Mutilva Alta, Spain), Juan Pablo De Torres, Arantza Campo, Carmen Felgueroso, Madeleine Di Frisco, Eduardo García, Luis Seijo, Ana Belén Alcaide, Juan Bertó, Maria Navamuel, Alicia Sayes, Maria Alicia Balseca
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- PA4209 Impact of OLD/emphysema in LC mortality risk in screening programs: an analysis of NLST and P-IELCAP**  
Marcela Suarez (Ileida, Spain), Iván D. Benítez, Juan P. De-Torres, Luis M. Seijo, María Del Mar Ocón, Ferran Barbé, Juan P Wisnivesky, Javier J Zulueta, Jessica González
- 
- PA4210 Interstitial lung diseases with concomitant lung cancer: a data mining approach**  
Giulia Maria Stella (Pavia (PV), Italy), Sara Lettieri, Francesca Mariani, Lucia Del Frate, Silvia Mancinelli, Davide Piloni, Angelo Corsico, Andrea Bianco, Fabio Perrotta, Donato Lacedonia
- 
- PA4211 Is duration of Chronic obstructive pulmonary disease risk factor decreasing survival rate in patients with lung cancer?**  
Robert Uliński (Warsaw, Poland), Marta Dąbrowska, Joanna Domagala-Kulawik
- 
- PA4212 Association of interstitial lung abnormalities with overall survival in patients with lung cancer: a meta-analysis**  
Haoyu Wang (Chengdu, China), Ruiyuan Yang, Dan Liu, Weimin Li
- 
- PA4213 Acceptance of illness in lung cancer patients during treatment: Do women differ from men?**  
Anna Trojnar (Warszawa, Poland), Magdalena Knetki-Wróblewska, Piotr Sobieraj, Joanna Domagała-Kulawik
- 
- PA4214 Profiling of young patients with lung cancer: a retrospective 10-year analysis**  
Joana Da Silva Cruz Gameiro Duarte (Oeiras, Portugal), Sofia Campos Silva, Francisco Neri, Margarida Felizardo, Filipa Todo Bom, José Alberto Teixeira
- 
- PA4215 Distinctive features of lung cancer in women**  
Mehdi Maaroufi (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine
- 
- PA4216 Nationwide Comorbidity Evaluation in Lung Cancer Patients Across a 40-Year Period**  
Morten Borg (Ry, Denmark), Ole Hilberg, Rikke Ibsen, Anders Løkke
- 
- PA4217 THE IMPACT OF CONTROLLING NUTRITIONAL STATUS (CONUT) IN THE PROGNOSIS OF NON-SMALL CELL LUNG CANCER**  
Raffaella Pagliaro (Alvignano, Italy), Antonio D'Orologio, Anna Leoni, Marta Iavarone, Ilaria Di Fiore, Umberto Masi, Vito D'Agnano, Fabio Perrotta, Luca Scalfi, Andrea Bianco
- 
- PA4218 Late Breaking Abstract - Eligibility for lung cancer screening among incidental lung nodule patients in a major healthcare system**  
Matilde Sangro Prieto (Mutilva Alta, Spain), Nour Ayoub, Junyu Qi, Sascha Adler, Javier J Zulueta
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- PA4219 Impact of Rash Development for Patients with Non-Small Cell Lung Cancer Receiving PD-1/PD-L1-Based Immune Checkpoint Inhibitor Therapy**  
Yongsheng Yang (Chongqing, China)
- 
- PA4220 Impact of COPD on one-year survival of patients with advanced stage lung cancer- a prospective cohort study**  
ASWATHY GIRIJA (BHUBANESWAR, India), Sourin Bhuniya, Prasanta Raghav Mohapatra, Manoj Kumar Panigrahi, Subho Sarkar, Rohit Shirgaonkar, Swadesh Kumar Mohanty, Afshan Ali Shaik, Akshaya Moorthy

PS-25

Session 402

08:00 - 09:30

## Poster session: Molecular pathways in lung cancer

Disease(s) : Thoracic oncology Airway diseases

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

Tag(s) : Basic science, Translational

Chairs : Daniela Xhemalaj (Tirana, Albania), Veronica Manolache (Bucuresti, Romania)

- PA4221 The interplay between a fibrotic ECM and lung cancer cell behavior**  
Samaneh Toukhanbeigli (NSW, Australia), Hannah W.Y. Parker, Maija R.J. Kohonen-Corish, Brian G.G Oliver

PA4222	<b>Serum levels of vascular endothelial growth factor-A and -B in patients with advanced non-small cell lung cancer treated with pembrolizumab: prognostic and predictive value</b> Eleni Kokkotou (N.Faliro (Piraeus), Greece), Stylianos Gaitanakis, Anna Papadopoulou, Garyfallia Poulakou, Nick Syrigos, Petros Bakakos, Andriani Charpidou, Dimitra Grapsa
PA4223	<b>PIM2 Kinase Inhibitors Affect Lung Cancer through Endoplasmic Reticulum Stress</b> Zhijing Shi (Tianjin, China), Yan Song, Yiman Li, Yang Yu, Huijie Hou, Fei Pan, Jinlu Ji, Zhe Chen
PA4224	<b>The expressional patterns and molecular mechanisms of LGI3(Leucine-rich-repeat LGI family member-3) were heterogenous in different non-small cell lung cancer cell lines.</b> Jong Wook Shin (Seoul, Republic of Korea), Moon Seong Baek, Kang-Mo Gu, Hae In Jung, Won Young Kim, Jae-Woo Jung, Jae-Yeol Kim, Kyoung Min Moon
PA4225	<b>Comparison of PD-L1 immunohistochemistry assays for non-small-cell lung cancer</b> Goohyeon Hong (Cheonan, Republic of Korea), Youn Seup Kim
PA4226	<b>Deciphering Landscape of Driver Transcription Factors in Large Cell Neuroendocrine Carcinoma (LCNEC) of the Lungs Through a Novel Bioinformatics Approach</b> Ilona Tietzova (Prague, Czech Republic), Dana Sochorova, Zuzana Veckova, Tatjana Manakova, Marketa Tesarova, Stanislav Trča, Jan Geryk
PA4227	<b>HDAC Inhibitor, CG-745 Inhibit EMT and Induce Apoptosis in Non-small Cell Lung Cancer</b> Hak-Ryul Kim (Iksan-si (Jeollabuk-do), Republic of Korea), Ki-Eun Hwang
PA4228	<b>A potential anticancer effect of a new molecule named 4g on lung cancer cell line H292</b> Claudia D Anna (Palermo, Italy), Elisabetta Pace (Palermo (PA), Italy), Claudia D'Anna, Caterina Di Sano, Francesco Mingoia
PA4229	<b>Desmethylclomipramine triggers mitochondrial damage and death in TGF-<math>\beta</math>-induced mesenchymal type of A549 cells</b> Chia-Ling Chen (Taipei, Taiwan), Pei-Yun Lin, Fu-Chia Shih
PA4230	<b>Multigene Testing Satus in 257 Lung Squamous Cell Carcinoma Cases: Clinical Profiling of BRAF V600E Mutation in Three Cases</b> Naozumi Hashimoto (Toyoake, Japan), Yasuhiro Goto, Ryoma Moriya, Tomohide Souma, Hisashi Kako, Ken Akao, Yuko Oya, Sumito Isogai, Masashi Kondo, Kazuyoshi Imaizumi
PA4231	<b>Real-world NGS testing results and treatment modalities in lung cancer: Data update from LALUCA - Landsteiner Lung Cancer Research Platform</b> Anna Lang-Stöberl (Vienna, Austria), Vania Mikaela Rodriguez, David Rosenthaler, Hannah Fabikan, Christoph Weinlinger, Maximilian Hochmair, Oliver Illini, Dagmar Krenbek, Klaus Kirchbacher, Nino Müser, Georg-Christian Funk, Arschang Valipour
PA4232	<b>The current status of lung cancer multi-gene testing for non-small cell lung cancer diagnosed by EBUS-TBNA</b> HIDEKI MAKINO (Matsuyama, Japan), Ryutaro Hirayama, Issei Katayama, Kazuki Oshita, Kotaro Kajiwara
PA4233	<b>The impact of mutation analysis on prognosis in advanced-stage lung adenocarcinoma</b> Ahmet Melih Sahin (Ankara, Turkey), Elif Şen (Ankara, Turkey), Ahmet Melih Sahin, Serpil Sak
PA4234	<b>TMB, genetic alterations and PD-L1 expression in non-small cell lung cancer</b> Giedrė Gurevičienė (Kaunas, Lithuania), Jurgita Matulionė, Lina Poškienė, Skaidrius Miliauskas, Marius Žemaitis
PA4235	<b>Metastasis-on-chip: Exploring the effect of vascular endothelial growth factor (VEGF) on cancer cell extravasation in vitro</b> Karin Farah Schmid (- Rechberger) (Bern, Switzerland), Soheila Zeinali, Susanne Karoline Moser, Christelle Dubey, Sabine Schneider, Patrick Dorn, Thomas Michael Marti, Olivier Thierry Guenat
PA4236	<b>CELLS CYCLE GENES IN CANCER STEM CELLS MOSTLY ASSOCIATED TO RECURRENCE IN NON-SMALL CELL LUNG CANCER (NSCLC).</b> Beatrice Aramini (Bologna , Italy), Valentina Masciale, Federico Banchelli, Giulia Grisendi, Franco Stella, Massimo Dominici
PA4237	<b>Distribution characteristics of infiltrating PD-L1+ lymphocytes in the tumor microenvironment of early-stage NSCLC</b> Giedrė Gurevičienė (Kaunas, Lithuania), Jurgita Matulionė, Lina Poškienė, Skaidrius Miliauskas, Marius Žemaitis
PA4238	<b>Patterns of PD-L1 expression and tumor infiltrating immune cells in resected NSCLC</b> Giedrė Gurevičienė (Kaunas, Lithuania), Jurgita Matulionė, Lina Poškienė, Skaidrius Miliauskas, Marius Žemaitis



**PA4239** **Helper T cell changes in peripheral blood of metastatic non-small cell lung cancer patients receiving cryotherapy and immunotherapy**  
Gediminas Vasiliauskas (Kaunas, Lithuania), Evelina Sabeckytė, Erika Skrodenienė, Lina Poškienė, Marius Žemaitis

**PA4240** **Sensitising mutations in lung adenocarcinomas causing malignant pleural effusion: impact on survival**  
Craig Mounsey (Oxford, United Kingdom), Nikolaos Kanellakis, Dinesh Addala, Wui Mei Chew, Alguili Elsheikh, Beenish Iqbal, Anand Sundaralingam, Abeer Saad, Nitika Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Najib Rahman

PS-26

Session 403

08:00 - 09:30

## Poster session: Pathogenesis of pulmonary fibrosis and serum biomarkers

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

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

Tag(s) : Clinical, Translational

Chairs : ARGYRIS TZOUVELEKIS (Patras, Greece), Raquel Guillamat Prats (Badalona, Spain)

**PA4241** **Suppression of Macrophage Migration Inhibitory Factor Attenuates Pulmonary Fibrosis by Regulating Macrophage-Fibroblast Interactions via AKT, AMPK, and ERK Pathways**  
jingwei wang (beijing, China), Yuanying Wang, Di Sun, Xiaoxi Huang, Qiao Ye

**PA4242** **Spatially resolved multi-omics reveals retinoic acid metabolism as an actionable target for idiopathic pulmonary fibrosis**  
Yang Wang, Shenghui Li, Xiucheng Liu, Chang Chen

**PA4243** **Lung resident mesenchymal stem cells in idiopathic pulmonary fibrosis**  
Gabriel Escarrer-Garau (Palma de Mallorca, Spain), Aina Martín-Medina, Joan Truyols-Vives, Cristina Gómez-Bellvert, Linda Elowsson, Gunilla Westergren-Thorsson, Ernest Sala-Llinàs, Josep Mercader-Barceló

**PA4244** **A marker of human neutrophil elastase mediated club cell secretory protein-16 degradation (CC16-HNE) is associated with mortality and pulmonary hypertension in idiopathic pulmonary fibrosis**  
Annika Hummersgaard Hansen (Herlev, Denmark), Thomas Skovhus Prior, Filipa Simões, Morten Asser Karsdal, Diana Julie Leeming, Elisabeth Bendstrup, Jannie Marie Bülow Sand

**PA4245** **Factor XII Deregulates Cell Communication and Contributes to Progression of Lung Fibrosis**  
Malgorzata Wygrecka (Gießen, Germany), Fabian Schramm, Ewa Jablonska, Anna Birnhuber, Leon Schulte, Michael Kreuter, Francesco Bonella, Con Panousis, Marc W. Nolte, Grazyna Kwapiszewska, Thomas Renne, Klaus T. Preissner, Antje Prasse

**PA4246** **Unravelling the role of sFRP2 in the pathogenesis of Idiopathic Pulmonary Fibrosis**  
Ioannis Tomos (Athens (P. Faliro), Greece), Maria Shira, Dionisis Fanidis, Paraskevi Kanellopoulou, Vassilis Aidinis

**PA4247** **Chemerin: a novel player in lung fibrosis**  
Ani Garabet (Asse, Belgium), Philomène Lavis, Alessandra Kupper Cardozo, Benjamin Bondue

**PA4248** **DTAI ameliorated acute lung injury and pulmonary fibrosis by suppressing the TGF-β/Smad signaling pathway in mice**  
Wei-Chung Chiou (Taipei City, Taiwan), Qi-Xiang Ji, Pin-Kuei Fu, Cheng Huang

**PA4249** **Repetitive installations of bleomycin induce persistent progressive lung fibrosis in a mouse model of IPF**  
Jamal Bousamaki (Hørsholm, Denmark), Asbjørn Graver Petersen, Susanne Pors, Mikkel Christensen-Dalsgaard, Yessica Wouters-Van Looy, Henrik H Hansen, Michael Feigh

**PA4250** **Role of hypusine signaling in idiopathic pulmonary fibrosis**  
Sarah-Eve Lemay (Quebec, Canada), Wen-Hui Wu, Sandra Martineau, Mélanie Sauvaget, Andréanne Pelletier, Sandra Breuils-Bonnet, Alice Bourgeois, François Potus, Steeve Provencher, Sébastien Bonnet, Olivier Boucherat

**PA4251** **Adiponectin expression in fibrotic interstitial lung diseases: a case-control study**  
Vito D'Agnano (S. Vito dei Normanni, Italy), Antonia Montella, Ersilia Nigro, Raffaella Pagliaro, Aurora Daniele, Roberta Cianci, Adriano Costigliola, Andrea Bianco, Fabio Perrotta

**PA4252** **Do proteolytic enzymes affect the development of idiopathic pulmonary fibrosis.**  
Oksana Karasova (Dnipro, Ukraine), Viktoriya Rodionova, Hanna Karasova, Valeria Dmitrichenko, Yesenia Tarasova, Lubov Moiseeva, Yulia Suprunenko

**PA4253** **Identification of Biomarkers by Multiplex Suspension Array to Predict Progression in Patients with Idiopathic Interstitial Pneumonias**  
Masaki Okamoto (Fukuoka, Japan), Toyoshi Yanagihara, Goushi Matama, Kiminori Fujimoto, Tomonori Chikasue, Akiko Sumi, Yoshiaki Zaizen, Atsushi Kawaguchi, Masaki Tominaga, Tomoaki Hoshino

- PA4254 Analyzing the variance in protein expression profiles between patients diagnosed with idiopathic pulmonary fibrosis (IPF) and those with non-IPF interstitial lung diseases (ILD)**  
Pin-Kuei Fu (Taichung, Taiwan), Tsai-Hung Yen
- PA4255 Biomarkers of fibrotic interstitial pneumonia with antifibrotic agent treatment**  
Takashi Maeda (Shibuya-ku, Japan), Minoru Inomata, Ken Ito, Akari Misumi, Haruka Chin, Yu Ito, Keita Sakamoto, Nobuyasu Awano, Naoyuki Kuse, Takehiro Izumo
- PA4256 Clinical usefulness of serum KL-6 and SP-A levels as biomarkers of pulmonary fibrosis in healthy subjects**  
Eun-jung Cho (Hwaseong-si, Gyeonggi, Republic of Korea)
- PA4257 Development of a multi-biomarker risk score based on serum proteins by the Prognostic Lung Fibrosis Consortium (PROLIFIC)**  
Joseph Lasky (New Orleans, United States), Peter Schafer, John Rassa, Agnes Seyda, Sarah Hersey, Dominic Eisinger, Jenna Melin, Robert Bencher, Margaret Neighbors, Majd Mouded, Scott Turner, Martin Decaris, Yasmina Bauer, Cheryl Nickerson-Nutter, Dana Ball, Jeffrey Larson, Jamie Swaney, Sharlene Lim, Alison Mackinnon, Francesco Marabita, Jennifer Mefford, Scott Staszak, Adam Martin-Schwarze, Zheshi Zheng, Peter Song
- PA4258 Extracellular matrix remodeling biomarkers in patients with hypersensitivity pneumonitis, compared with idiopathic pulmonary fibrosis and healthy controls**  
Sandra Duval Dræby (København S, Denmark), Nils Hoyer, Filipa B. Simões, Annika Hummersgaard Hansen, Jannie Marie Bülow Sand, Morten Karsdal, Saher Shaker
- PA4259 Multifaceted analysis of serum biomarkers for autoimmune features in patients with idiopathic interstitial pneumonia: A post-hoc analysis of prospective multicenter cohort study**  
Noriyuki Enomoto (Hamamatsu, Japan), Shusuke Yazawa, Yasutaka Mochizuka, Atsuki Fukada, Yuko Tanaka, Hyogo Naoi, Yuya Aono, Yusuke Inoue, Hideki Yasui, Masato Karayama, Yuzo Suzuki, Hironao Hozumi, Kazuki Furuhashi, Mikio Toyoshima, Masato Kono, Shiro Imokawa, Takehisa Sano, Taisuke Akamatsu, Naoki Koshimizu, Koshi Yokomura, Hiroyuki Matsuda, Yusuke Kaida, Masahiro Shirai, Kazutaka Mori, Masafumi Masuda, Tomoyuki Fujisawa, Naoki Inui, Yutaro Nakamura, Hiroaki Sugiura, Hiromitsu Sumikawa, Masashi Kitani, Kazuhiro Tabata, Noriyoshi Ogawa, Takafumi Suda
- PA4260 Post-hoc biomarker analysis in participants with IPF receiving bexotegrast over 12-weeks in INTEGRIS-IPF**  
Martin Decaris (South San Francisco, United States), Martin Decaris, Richard Ahn, Christopher Barnes, Eric Lefebvre, Greg Cosgrove, Scott Turner

PS-27

Session 404

08:00 - 09:30

Poster session: Investigating the complexity of connective tissue disease-related interstitial lung diseases

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

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

Tag(s) : Clinical

Chairs : Fabrizio Luppi (Modena, Italy), Marie Vermant (Leuven, Belgium)

- PA4261 Toll interacting protein (TOLLIP) gene polymorphisms in patients with systemic sclerosis (SSc) associated interstitial lung disease (ILD): association with outcome and survival.**  
Niels Schröder (Wiesbaden, Germany), Jitka Andrä, Diana Knuth-Rehr, Silke Leja, Nicolas Hunzelmann, Eda Börner, Francesco Bonella
- PA4262 Telomere-related mutations in a prospective CTD-ILD cohort**  
Phuong Phuong Diep (Oslo, Norway), Øystein Lunde Holla, Magdalena Maria Aabel, Natasha Moe, Trond Mogens Aaløkken, Emily Langballe, Mona Lovise Talaro Ramsli, Henrik Mangseth, Helena Andersson, Are Martin Holm, Øyvind Molberg, Anna-Maria Hoffmann-Vold, Michael Thomas Durheim
- PA4263 Increased Levels of Complement and Immunoglobulins in Dermatomyositis-associated Interstitial Lung Disease**  
Yoshiaki Zaizen (Kurume, Japan), Masaki Okamoto, Kouichi Azuma, Junya Fukuoka, Tomoaki Hoshino
- PA4264 Risk of recurrent anti-aminoacyl-tRNA-synthetase antibody-associated interstitial lung disease due to anti-Ro52 antibodies**  
Hiroschi Takahashi (Kurashiki, Japan), Machiko Arita, Tadashi Ishida, Hiromasa Tachibana
- PA4265 Exosomal microRNAs associated with lung involvement in systemic sclerosis: potential diagnostic markers and therapeutic targets**  
Makon-Sébastien Njock (Liège, Belgium), Julien Guiot, Béatrice André, Pierre Jacquerie, Monique Henket, Latifa Idoufkir, Laurie Giltay, Catherine Moermans, Fanny Gester, Barbara Polese, Ingrid Struman, Edouard Louis, Michel Malaise, Dominique De Seny, Renaud Louis, Clio Ribbens

- PA4266 Acute respiratory worsening in a prospective CTD-ILD cohort**  
Phuong Phuong Diep (Oslo, Norway), Magdalena Maria Aabel, Natasha Moe, Emily Langballe, Mona Lovise Talaro Ramsli, Henriette Didriksen, Henrik Mangseth, Ragnar Gunnarsson, Asad Ali Chaudhary, Øyvind Midtvedt, Helena Andersson, Are Martin Holm, Trond Mogens Aaløkken, Øyvind Molberg, Michael Thomas Durheim, Anna-Maria Hoffmann-Vold
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- PA4267 High-throughput screening of molecular markers for CTD-ILD**  
Anna Maria Hoffmann-Vold (Oslo, Norway), Vyacheslav Palchevskiy, Phuong Phuong Diep, Henriette Didriksen, Mona Lovise Talaro Ramsli, Jin Zhou, Shahrzad Lari, Igor Barjaktarevic, Elena Pachera, Michael T Durheim, Oliver Distler, Øyvind Molberg, Sam S Weigt, John A Belperio
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- PA4268 ILD is frequently progressive in patients with Sjogren's disease**  
Anna Maria Hoffmann-Vold (Oslo, Norway), Marco Sprecher, Emily Langballe, Phuong Phuong Diep, Håvard Fretheim, Helena Andersson, Øyvind Midtvedt, Ragnar Gunnarsson, Torhild Garen, Cathrine Brunborg, Cosimo Bruni, Michael T Durheim, Christian Clarenbach, Thomas Frauenfelder, Trond Mogens Aaløkken, Oliver Distler, Øyvind Molberg
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- PA4269 Cough and gastro-esophageal reflux in systemic sclerosis-associated ILD: a prospective study**  
Fiammetta Danzo (Milano, Italy), Angelo De Lauretis, Cara Roberts, Voon H. Ong, Dina Visca, Maria Kokosi, Peter M. George, Felix Chua, Vasilis Kouranos, Gisli Jenkins, Charles Murray, Cristopher Denton, Athol U. Wells, Piersante Sestini, Carmel Stock, Elizabeth Renzoni
- 
- PA4270 Early signs of lung involvement in seropositive rheumatoid arthritis is associated with reduced exercise capacity**  
Frank Reichenberger (Munich, Germany), Carina Fischinger, Florian Popp, Florian Popp, Werner Von Wulffen, Nikolaus Kneidinger, Martin Welcker
- 
- PA4271 Milder ILD with preserved lung function significantly contributes to respiratory caused mortality in SSc**  
Anna Maria Hoffmann-Vold (Oslo, Norway), Håvard Fretheim, Emily Langballe, Hilde Jenssen Bjørkekjær, Henriette Didriksen, Phuong Phuong Diep, Helena Andersson, Ragnar Gunnarsson, Michael T Durheim, Torhild Garen, Øyvind Midtvedt, Trond Mogens Aaløkken, Øyvind Molberg, Oliver Distler
- 
- PA4272 Prediction of stable SSc-ILD depends on definition of ILD progression**  
Anna Maria Hoffmann-Vold (Oslo, Norway), Liubov Petelytska, Håvard Fretheim, Hilde Jenssen Bjørkekjær, Trond Mogens Aaløkken, Mike Becker, Cathrine Brunborg, Cosimo Bruni, Christian Clarenbach, Phuong Phuong Diep, Rucsandra Dobrota, Michael Durheim, Elhai Muriel, Thomas Frauenfelder, Suzana Jordan, Emily Langballe, Øyvind Midtvedt, Carina Mihai, Øyvind Molberg, Oliver Distler
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- PA4273 Clinical Impact of Progressive Pulmonary Fibrosis in Systemic Sclerosis-associated Interstitial Lung Disease**  
Kyung-Il Han (Seoul, Republic of Korea), Jung Hwa Hwang, Bo Da Nam, Jin Woo Song
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- PA4274 Assessing Respiratory Muscle Strength in Patients with Rheumatoid Arthritis: An Exploratory Study**  
Melanie Berger (Köln, Germany), Maximilian Zimmermann, Doreen Kroppen, Daniel Majorski, Johannes Holle, Mathes Tim, Maximilian Wollsching-Strobel, Stanzel Sarah, Wolfram Windisch, Falk Schumacher
- 
- PA4275 Asymptomatic autoimmune interstitial lung disease: Neither subclinical nor clinically insignificant**  
Juan Ignacio Enghelmayer (Ciudad Autónoma Buenos Aires, Argentina), Adrian Gaser, Camilo Meza, Guillermo Besteiro, Viviana Moyano, Norma Naval, Beatriz Gil, Silvia Quadrelli, Eugenia Perticone, Diana Lancellotti, Brenda Varela, Diego Goffredo, Giselle Tomaszuk, Fabian Caro, Federico Campins, Federico Zenon, Fernando Piumatti, Francisco Paulin, Gabriela Manonelles, Gabriela Tabaj, Antoonella Gamarra, German Arce, Paula Gonzalo, Maria Otaola, Javier Abdala, Javier Sebastiani, Jorge Garcia Goonzalez, Maria Laura Alberti, Luciana Molinari, Patricia Aruj, Marcela Usandivaras, Santiago Auteri, Soledad Altube, Raul Lisanti, Silvia Del Valle Escotorin, Liliana Capone, Florencia Vivero
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- PA4276 PROGRESSIVE FIBROSING INTERSTITIAL LUNG DISEASE IN RHEUMATOID ARTHRITIS**  
Marta Andreu Casas (Barcelona-Sants (Barcelona), Spain), Sara Salvador Fernandez, Paula Barquero Dueñas, Florencia Pilia, David Espejo Castellanos, Christian Eduardo Romero Mesones, Xavier Muñoz Gall, Ana Villar Gomez
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- PA4277 Experience of connective tissue related interstitial lung disease in combined respiratory and rheumatology clinic.**  
Alya Salman Aldoseri (Clonsilla, Dublin, Ireland), Lindsay Brown, Emmet E Mcgrath, Michael Keane, Eamon Molloy, Cormac Mccarthy
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- PA4278 Myositic panel in interstitial lung disease**  
Ines moussa (ariana, Tunisia), Donia Chebbi, Samar Derbal, Olfa Hentati, Yousra Cherif, Imen Zamali, Houda Snen, Fatma Ben Dahmen, Bechir Louzir, Melika Ben Ahmed, Leila Gharbi, Meya Abdallah
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- PA4279 Interstitial lung disease in Sjögren's syndrome**  
Hana Blibech (Ariana, Tunisia), Houda Snéne, senda derouiche, Amal Harzali, Bochra Karaborni, Donia Belkhir, Sameh Belkhir, Jaloul Daghfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir
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- PA4280 The relationship between forced vital capacity (FVC), modified Rodnan skin score (mRSS) and long-term patient outcomes in systemic sclerosis (SSc) with interstitial lung disease (ILD): a literature review**  
Ciara O Shea (Dublin, Ireland), Emily Glowienka, Sarah Nickolls, Ian Steinfield, Florence R. Wilson, Oluwaseun Egunsola, Alicia N. Pepper, Svetlana Nihtyanova, Roger A. Levy, Daniel Moldaver

PS-28

Session 405

08:00 - 09:30

## Poster session: Clinical translation in rare interstitial lung diseases

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

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

Tag(s) : Clinical

Chairs : Claudia Valenzuela (Madrid, Spain), Marissa O'Callaghan (County Cork, Ireland)

- PA4281** **35 years of the Italian cohort of Pulmonary Alveolar Proteinosis (PAP)**  
Sara Lettieri (Pavia, Italy), Ilaria Campo, Francesca Mariani, Davide Piloni, Vincenzo Alfredo Marando, Matteo Della Zoppa, Maria Chiara Crescenzi, Angelo Guido Corsico, Ilaria Campo
- 
- PA4282** **Effects of COVID-19 infection in patients with autoimmune pulmonary alveolar proteinosis: a single-center study**  
Wangji Zhou (Beijing, China), Chuanxin Duan, Miaoyan Zhang, Chongsheng Cheng, Wenshuai Xu, Jinrong Dai, Shuzhen Meng, Keqi Chen, Yang Zhao, Song Liu, Shao-Ting Wang, Yanli Yang, Kai-Feng Xu, Xinlun Tian
- 
- PA4283** **Revitalizing Alveolar Immunity: MSC role in Autoimmune Pulmonary Alveolar Proteinosis**  
Xinyu Song (Guangzhou, China), Jing Jin, Mengni Zhang, Yiping Zhu, Shiyue Li
- 
- PA4284** **Lipoid pneumonitis: new insights - a systematic review**  
Elisabeth Bendstrup (Aarhus N, Denmark), Morten Nielsen, Akash Meegoda
- 
- PA4285** **Clinical relevance of diffusing lung capacity for carbon monoxide (DLCO) in patients with acid sphingomyelinase disease (ASMD): a post-hoc analysis**  
Wim A. Wuyts (Leuven, Belgium), Francesco Bonella, Maurizio Scarpa, Venediktos Kapetanakis, Pragya Shukla, Marie Fournier, Maja Gasparic, Ruth Pulikottil-Jacob
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- PA4286** **Reality check – the low positive predictive value of positive autoimmune markers in CTD ILD/myositis**  
Wint Wah Soe (Eastleigh, United Kingdom), Emily C Rose, Efreem Eren, Karen Smith, Sophie Victoria Fletcher
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- PA4287** **Circulating human myeloid cells assume a profibrotic and tissue migratory-prone phenotype in Idiopathic pulmonary fibrosis**  
Dmytro Sirokha (Munich, Germany), Theodoros Kapellos, Valeria Viteri, Flavia Greiffo, Loredana Asarian, Altana Namsaraeva, Daniela Dietel, Marion Frankenberger, Oliver Eickelberg, Nikolaus Kneidinger, Ali Yildirim, Herbert Schiller, Jürgen Behr, Isis Fernandez
- 
- PA4288** **Nintedanib in Progressive Fibrosing Interstitial Lung Disease (PFILD): Assessing Renal Function Trends and Tolerability**  
Janet Johnston (GLASGOW, United Kingdom), Kate Newman, Holly Montgomery, Theresa Garfoot, Conal Hayton, Pilar Rivera-Ortega
- 
- PA4289** **Impact of genetic multidisciplinary team discussion on lung fibrosis**  
Giovanni Franco (Monza, Italy), Caroline Kannengiesser, Nadia Nathan, Albane Lassus, Cécile Guerin, Ibrahima Ba, Antoine Froidure, Effrosyni Manali, Vincent Brunel, Philippe Bonniaud, Diane Bouvry, Marie Pierre Debray, Pierre Antoine Juge, Ralph Epaud, Alix De Becdelièvre, Camille Louvrier, Aurélie Plessier, Flore Sicre De Fontbrune, Lidwine Wemeau-Stervinou, Sylvain Marchand Adam, Alexandre Chabrol, Arnaud Maurac, Laurent Savale, David Montani, Bruno Crestani, Vincent Cottin, Raphaël Borie
- 
- PA4290** **Novel lamp3 gene mutation associated with variable clinical presentation of interstitial lung disease**  
Mohamad Hadhud (Jerusalem, Israel), Jonathan Rips, Tamar Harel, Oded Breuer
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- PA4291** **Impulse oscillometry in the diagnosis of subclinical obstructive airways disease in Osteogenesis Imperfecta**  
Louise Byrne (Dublin 8, Ireland), Eamon Sweeney, Rachel Anglin, Rachel Crowley, Cormac McCarthy, Alessandro Franciosi
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- PA4292** **Role of genetic testing in pleuroparenchymal fibroelastosis**  
Joelle Friesen (Rochester, United States), Ghadah Alrehaili, Jennifer Kemppainen, Sanjay Kalra, Filippo Pinto E Vairo, Teng Moua, Eunhee Yi, Alejandro Ferrer, Mrinal Patnaik, Eva Carmona
- 
- PA4293** **Trends in pulmonary function in patients with Birt-Hogg-Dubé syndrome: A retrospective cohort study**  
Jesper Rømhild Davidsen (Odense C, Denmark), Marie Moldt Holmager, Sarah Wordenskjold Stougaard, Ole Graumann, Marianne Præstegaard, Lilian Bomme Ousager, Lars Lund, Annette Schuster, Casper Falster
- 
- PA4294** **Cystic Lung Disease in Older Patients with Birt-Hogg-Dubé Syndrome**  
Vasilios Tzilas (Athens, Greece), Rui Wang, Wei Wei, Xiaowen Hu, Jay Ryu
- 
- PA4295** **Quantitative assessment of CT lung abnormalities in cystic pulmonary Langerhans cell histiocytosis using parametric response mapping**  
Amira Benattia (Paris (Île-de-France), France), Constance De Margerie-Mellon, Samia Boussouar, Gwenaël Lorillon, Abdellatif Tazi



**PA4296 Late Breaking Abstract - Tankyrase inhibition demonstrates anti-fibrotic effects in vitro, ex vivo, and in vivo in preclinical pulmonary fibrosis models**  
Jo Waaler (Oslo, Norway), Shoshy Alam Brinch, Ida Johnsen, Lena Wilmer, Lavinia Neubert, Patrick Zardo, Hans-Gerd Fieguth, Christina Hesse, Mark Kuipers-Skarsfeldt, Anita Wegert, Simon Cruwys, Stefan Krauss

**PA4297 Late Breaking Abstract - New imaging approach to evaluate the in vivo administration of nanostructured mycophenolic acid in a preclinical model of SSC-ILD**  
Beatrice Ragnoli (Vercelli, Italy), Fausto Chiazza, Elena Mantovani, Alessandro Marengo, Davide Russo, Mario Malerba

**PA4298 Renal angiomyolipoma and lymphangiomyolipoma sirolimus treatment in patients with lymphangiomyomatosis**  
Elżbieta Radzikowska (Warszawa, Poland), Joanna Nowacka-Eysmont, Joanna Miłkowska-Dymanowska, Małorzata Sobiecka, Adriana Roży, Paulina Skronska, Renata Langfort, Iwona Bestry, Stefan Wesolowski, Joanna Chorostowska-Wynimko, Katarzyna Blasinska

**PA4299 Immunodeficiencies in childhood interstitial lung diseases: First data from the Turkish National chILD registry**  
Handan Kekeç (Turkey, Turkey), Tuğba Şişmanlar Eyüboğlu, Melih Hangül, Gökçen Kartal Öztürk, Mina Hızal, Fazılcan Zirek, Mervener Tekin, Ayşe Tana Aslan, Figen Gülen, İsmail Güzelkaş, Ayça Kıyıkım, Sanem Eryılmaz Polat, Sinem Can Oksay, Gökçen Ünal, Ali Ersoy, Erdem Başaran, Ela Erdem Eralp, Beste Özsezen, Tuğba Ramaslı Gürsoy, Halime Nayır Büyükaşahin, Füsün Ünal, Cansu Yılmaz Yeğit, Nazan Çobanoğlu, Nagehan Emiralioğlu, Ebru Güneş Yalçın, Ayşe Ayzıt Kılıç, Güzin Cinel, Saniye Girit, Sevgi Pekcan, Yasemin Gökdemir, Ahmet Cevdet Ceylan, Diclehan Orhan, Berna Oğuz, Nural Kiper

**PA4300 Efficacy and safety of eosinophil-depleting therapy with Benralizumab in chronic eosinophilic pneumonia**  
Filippo Gozzi (Modena, Italy), Giulia Baldini, Caterina Cerbone, Chiara Nani, Dario Andrisani, Roberto Tonelli, Enrico Cini, Stefania Cerri, Bianca Beghé

PS-29

Session 406

08:00 - 09:30

Poster session: Management of patients with pulmonary vascular diseases

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

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

Tag(s) : Clinical

Chairs : David Kiely (Sheffield (South Yorkshire), United Kingdom), Sarah Cullivan (Dublin, Ireland)

**PA4301 Acute effects of normobaric hypoxia on invasively measured exercise hemodynamics in patients with pulmonary vascular disease. The HEXA-RCT**  
Mona Lichtblau (Zürich, Switzerland), Simon Raphael Schneider, Julian Müller, Milos Duknic, Meret Bauer, Laura Mayer, Esther Irene Schwarz, Michael Furian, Stéphanie Saxer, Silvia Ulrich

**PA4302 Fluid restriction in patients with pulmonary arterial hypertension and right heart failure**  
Ekkehard Grünig (Heidelberg, Germany), Benjamin Egenlauf, Nicola Benjamin, Carolin Resag, Panagiota Xanthouli, Satenik Harutyunova, Christina A. Eichstaedt

**PA4303 Treatment and mortality in mild SSc-PAH**  
Hilde Jenssen Bjørkekjær (Kristiansand, Norway), Cosimo Bruni, Cathrine Brunborg, Patricia Carreira, Paolo Airò, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Giollo, Alexandra Balbir-Gurman, Mickael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Helle Bitter, Øyvind Midtvedt, Kaspar Broch, Arne Andreassen, Sverre Høie, Yoshiya Tanaka, Gabriela Riemekasten, Ulf Müller-Ladner, Marco Matucci-Cerinic, Ivan Castellví, Elise Siegert, Eric Hachulla, Øyvind Molberg, Oliver Distler, Anna-Maria Hoffmann-Vold

**PA4304 Effect of treatment with ambrisentan in patients with systemic sclerosis and mild pulmonary arterial hypertension: long-term follow-up data from EDITA study**  
Satenik Harutyunova (Heidelberg, Germany), Panagiota Xanthouli, Paul Uebeck, Hanns-Martin Lorenz, Norbert Blank, Christina Eichstaedt, Benjamin Egenlauf, Gerry Coghlan, Christopher Denton, Nicola Benjamin

**PA4305 Pathway: Non-interventional study to investigate factors influencing treatment decisions in patients with pulmonary hypertension in routine clinical practice.**  
Hans Klose (Hamburg, Germany), Marius Hoepfer, Hanno Leuchte, Kay Kronberg, Alexander Roitenberg

**PA4306 Efficacy of macitentan/tadalafil single-tablet combination therapy vs pooled monotherapy in pulmonary arterial hypertension (PAH): A DUE post hoc analysis**  
Ekkehard Grünig (Heidelberg, Germany), Fenling Fan, Kelly M. Chin, Assunta Senatore, Jakob A. Hauser, Michael Friberg, Hany Rofael, Pavel Jansa

**PA4307 Burden and Unmet Needs in Women with Pulmonary Arterial Hypertension: Multinational Physician Qualitative Study**  
Marion Delcroix (Leuven, Belgium), Anjali Vaidya, Tanvee Thakur, Anna Watzker, Matthew O'Hara, Abigail Silber, Amod Athavale, Ioana Preston, Dominik Lautsch, Valerie McLaughlin



- PA4308 Longterm oxygen therapy in precapillary pulmonary hypertension - the SOPHA study.**  
Ishan Echampati (Heidelberg, Germany), Nicola Benjamin, Ischan Echampati, Satenik Harutyunova, Christina Alessandra Eichstaedt, Benjamin Egenlauf, Silvia Ulrich, Grünig Ekkehard, Xanthouli Panagiota
- PA4309 Real-world treatment patterns and all-cause mortality of pulmonary arterial hypertension in Europe**  
Katia Mc Verhamme (Rotterdam, Netherlands), Johnmary T. Arinze, Romain Griffier, Cesar Barboza, James Brash, Marek Oja, Hezekiah Omulo, Dina Vojinovic, Sarah Seager, Antonella Delmestri
- PA4310 Acute effects of sildenafil on exercise hemodynamics in patients with pulmonary vascular disease: The HEXA RCT series**  
Simon Raphael Schneider (Zürich, Switzerland), Mona Lichtblau, Julian Müller, Meret Bauer, Laura Mayer, Stéphanie Saxer, Esther Irene Schwarz, Michael Furian, Silvia Ulrich
- PA4311 The acute effect of high-dose supplemental oxygen on hemodynamics assessed by echocardiography in patients with pulmonary vascular disease living in Quito at 2850m.**  
Julian Müller (Zürich, Switzerland), Mirjam Schmucki, Michael Furian, Simon R. Schneider, Joël J. Herzig, Stéphanie Saxer, Meret Bauer, Diego Saragoni, Esther I. Schwarz, Mona Lichtblau, Elizabeth Cajamarca, Rodrigo Hoyos, Silvia Ulrich
- PA4312 Nocturnal cerebral oxygenation in patients with pulmonary hypertension staying at 2500m. RCT.**  
Simon Raphael Schneider (Zürich, Switzerland), Carolin Kränzle, Vera Bissig, Julian Müller, Meret Bauer, Laura C. Mayer, Tanja Ulrich, Aglaia Forrer, Arcangelo Carta, Esther I. Schwarz, Konrad E. Bloch, Mona Lichtblau, Michael Furian, Silvia Ulrich
- PA4313 Patient experience with transition between intravenous infusion pumps**  
Liliana Almeida (Cambridge, United Kingdom), Nisha Abraham, Lucia Lauria, Michelle Barfoot, Samantha Ali
- PA4314 Supplemental oxygen on exercise performance in highlanders with pulmonary vascular disease. A pragmatic open-label crossover RCT**  
Michael Furian (Zürich, Switzerland), Diego Saragoni, Julian Müller, Simon R. Schneider, Joel J. Herzig, Stéphanie Saxer, Meret Bauer, Mirjam Schmucki, Esther I. Schwarz, Elizabeth Cajamarca, Rodrigo Hoyos, Mona Lichtblau, Silvia Ulrich
- PA4315 Quantifying the burden of pulmonary arterial hypertension on patients' need for caregivers and caregiver work patterns: Results from a Canadian patient survey**  
Brandon Budhram (Calgary, Canada), Jamie Myrah, Courtney Gubbels, Cindy Westerhout, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald
- PA4316 Patients with pulmonary arterial hypertension: insights from the INSPECTIO study**  
Stefano De Santis (Milano, Italy), Gian Piero Perna, Laura Scelsi, Michele D'Alto, Livio Giuliani, Roberto Badagliacca, Pietro Ameri, Fabiana Baldi, Federico Guerra, Emma Di Poi, Marco Vicenzi, Edoardo Airò, Marco Corda, Lorenzo Dagna, Cristina Piccinino, Paolo Ferrero, Alessia Uglietti, Francesco Rucci
- PA4317 Real-world experience of elderly patients with pulmonary arterial hypertension (PAH) initiating selexipag (EXPOSURE/EXTRACT studies)**  
Sean Gaine (Dublin, Ireland), Pilar Escribano-Subias, Audrey Muller, Martina Fontana, Tatiana Remenova, Stefan Söderberg, Tobias J Lange
- PA4318 Assessment of Group 1 PAH patients on triple therapy clinical four risk strata outcome in a UAE centre**  
Khaled Saleh (Abu Dhabi, United Arab Emirates), Jihad Mallat, Simi Salim, Ahmed Zyara, Venkat Aurav, Suleim Syeda, Hani Sabbour
- PA4319 Real-world experience with selexipag in patients with pulmonary arterial hypertension in North America and Europe**  
Nick Kim (La Jolla, United States), Murali M Chakinala, Kelly M Chin, Eva-Maria Didden, Gurinderpal Doad, Harrison W Farber, Sean Gaine, Anna R Hemnes, Kristin B Highland, Tobias J Lange, Vallerie McLaughlin, Audrey Muller, Mohammad Rahman, Tatiana Remenova, Stefan Söderberg, Apoorva Venkatesh, Pilar Escribano Subias
- PA4320 Impact of rehabilitation on physical activity in patients with pulmonary vascular disease**  
Stéphanie Saxer (Zürich, Switzerland), Julian Müller, Simon Schneider, Katia Gmür, Mona Lichtblau, Silvia Ulrich

**PS-3** **Session 407** **08:00 - 09:30**

**Poster session: A primary care approach to chronic obstructive pulmonary disease**

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

**Method(s) :** [Epidemiology](#) [General respiratory patient care](#) [Physiology](#) [Public health](#) [Pulmonary function testing](#) [Palliative care](#)

**Tag(s) :** [Clinical](#)

**Chairs :** [Cláudia Sofia De Almeida Vicente Ferreira \(Coimbra, Portugal\)](#), [Luke Daines \(Edinburgh \(Edinburgh\), United Kingdom\)](#)

PA4321	<b>Clinical benefits with Fluticasone furoate/Umeclidinium/Vilanterol therapy for COPD: post hoc subgroup analysis of ELLITHE study</b> Kai Michael Bech (Taanusstein, Germany), Saskia Krüger
PA4322	<b>The STREET (Structured Efficient E-Tracking) Project for early COPD Diagnosis and Care.</b> Manlio Milanese (Pietra ligure (SV), Italy), Elisa Testino, Alessandro Cavaliere, Giovanni Cavallaro, Giancarlo Conte, Alessandra Longagna, Monica Cirone
PA4323	<b>COPD and Dysphagia - a 2-year follow up from the TIE-study</b> Margareta Gonzalez Lindh (Gävle, Sweden), Kristina Bröms, Björn Ställberg, Maria Hårdstedt, Andreas Palm, Christer Janson, Amir Farkhooy, Karin Lisspers, Marieann Högman, Andrei Malinovschi
PA4324	<b>Different exercise-induced desaturation pattern in six minute walk test between interstitial lung disease (ILD) and chronic obstructive pulmonary disease (COPD)</b> Chiung-Hsin Chang (Taoyuan City, Taiwan), Han-Chung Hu, Kian Fan Chung, Chun-Hua Wang
PA4325	<b>Relative importance of repeated vaccine doses and prior infection on SARS-CoV-2 XBB infection</b> Nicole Ngai Yung Tsang (Hong Kong, Hong Kong), Hau Chi So, Benjamin J Cowling, Gabriel M Leung, Dennis Kai Ming Ip
PA4326	<b>The prevalence, clinical characteristics, and influencing factors of COPD progressed from PRISm: a cohort analysis in primary healthcare organizations in China</b> Hongtao Niu (Beijing, China), Qing Liu, Ting Yang
PA4327	<b>Evaluating acuity of pre-conveyance referrals from nursing homes</b> Chong Yau Ong (Singapore, Singapore), Jean M H. Lee, Jin Lee Lim
PA4328	<b>Patient experiences during treatment with opioids in COPD in palliative phase; A scoping review.</b> Berit Eide (TILLER, Norway), Berit Haanshuus, Heidi Markussen
PA4329	<b>Incidence of heart failure (HF), atrial fibrillation (AF) and ischaemic heart disease (IHD) in patients with COPD registered with a general practice within the Mid-Ulster federation area</b> Claire Young (Dungannon, United Kingdom), Aaron Courtenay
PA4330	<b>The influence of chronic inflammation in COPD patients aged 40 to 60 years on the early development of atherosclerotic changes in brachiocephalic vessels.</b> Viktorii Batashova-Halinska (Odesa, Ukraine), Iryna Andrusyshyna
PA4331	<b>How patients act in response to COPD exacerbations: results from a multi-country survey</b> Frits M.E. Franssen (Maastricht, Netherlands), Ruth Young, Job F M Van Boven, Michael Crooks, Marie Eckerd, Jad El Khoury, Megan Grobert, John Hurst, Ann Hutchinson, John Linnell, Daiana Stolz, Tonya Winders, Jing Zhang, Clementine Nordon
PA4332	<b>Feasibility Study: A stand alone, 3D printed respiratory oscillometer powered by Raspberry Pi suitable to detect airway obstruction in COPD.</b> Karina Portillo Carroz (Badalona (Barcelona), Spain), Paloma Millan-Billi, Ester Cervera Rodriguez, Alicia Marin Tapia, Antoni Rosell Gratacos, James Hugall, Petra Stockinger
PA4333	<b>Safety of Short-acting <math>\beta</math>2-agonists (SABA) in the management of hospitalized COPD patients with cardiovascular comorbidities</b> Michael Kassirer (Nof Ayalon, Israel), Nitzan Sagie, Michal Gordon, Bracha Cohen, Evyatar Bar Haim, Yael Raviv
PA4334	<b>Implementation of a new healthcare model for Obstructive Sleep Apnea diagnosis by a family doctor using a simplified device(ApneaLink™) in conjunction with the hospital sleep unit and cost study</b> Cristina Muñoz-Pindado (Vic (Barcelona), Spain), Raül Bonich-Juan, Pere Roura-Poch, Carlos Muñoz-Pindado, Emma Puigoriol-Juventeny, Sara Sánchez-Belmonte, Maragda Deutú-Colom, Raquel Vioque-Puebla, Luis Rodolfo Collado-Yurrita, Fernando Ruiz-Mori, Ana María Muñoz-Fernández, Núria Roger-Casals
PA4335	<b>Correlation between Air-trapping and Severity of Dyspnea in Non-Cystic Fibrosis Bronchiectasis</b> Saharat Yothinnoratham (Bangkok, Thailand), Kamon Kawkitinarong
PA4336	<b>Evaluating artificial intelligence-interpreted against pulmonologist-interpreted spirometry results: a comparative study</b> Gabrielle Len Antonio (CEBU CITY (CAPITAL), Philippines), Yvonne Montejo, Roger Sy
PA4337	<b>A case study on the impact of Artificial Intelligence supported spirometry in primary care</b> Claire Adams (Yarm, United Kingdom), Elena Smets, Julie Maes, Jon Rees, Marko Topalovic

- PA4338 Study of population's knowledge about the spirometry and their characteristics: CONOCESPIRO**  
Cristina Muñoz-Pindado (Vic (Barcelona), Spain), Dolors Juvanteny-Ginebra, Raül Bonich-Juan, Carlos Muñoz-Pindado, Maragda Deutú-Colom, Mireia Prat-Viñolas, Raquel Vioque-Puebla, Sara Sanchez-Belmonte, Emma Albià-Real, Carme López-Carrascosa, Alenxandra Simó-Llavero, Antonia Ocaña-Padilla
- PA4339 Partner impact on the efficacy of continuous positive airway pressure in the treatment of obstructive sleep apnea**  
Ines moussa (ariana, Tunisia), Lenda Ben Hmida, Hana Mrassi, Nour Lahbib Jallouli, Imen Sahnoun, Leila Douik Elgharbi
- PA4340 Late Breaking Abstract - Exploring optimal management of mild to moderate long-COVID symptoms with OTC medication**  
Mariane BALLERINI FERNANDES (Egham, United Kingdom), Guy Boivin, Benjamin J. Cowling, Will Shannon, Preeti Kachroo, Pascal Mallefet, Pranab Kalita, Alexandru Mircea Georgescu

PS-30

Session 408

08:00 - 09:30

Poster session: Conquering chronic obstructive pulmonary disease: are we there yet?

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)Method(s) : Endoscopy and interventional pulmonology Cell and molecular biology Surgery Transplantation Epidemiology  
General respiratory patient care

Tag(s) : Clinical

Chairs : Karin Klooster (Groningen, Netherlands), Antonio Moretti (Modena, Italy)

- PA4341 Bronchoscopic Lung Volume Reduction with Zephyr Valves: The French Real-world Experience**  
Thomas Egenod (Limoges, France), Romain Kessler, Bruno Degano, Armelle Marceau, Arnaud Bourdin, Christophe Gut-Gobert, Frederic Wallyn, Samy Lachkar, Nicolas Favrolt, Isabelle Court-Fortune, Narinder Shargill, Nicolas Guibert
- PA4342 Prospective study on body composition measured by bioelectrical impedance analysis after endoscopic lung volume reduction with valves**  
Judith Brock (Heidelberg, Germany), Christina Rott, Eldridge Limen, Konstantina Kontogianni, Felix Herth
- PA4343 Prospective study on changes in the microbiome after bronchoscopic therapies in COPD**  
Judith Brock (Heidelberg, Germany), Susanne Dittrich, Konstantina Kontogianni, Felix Herth, Marc Schneider, Thomas Muley, Gernot Poschet, Alexander Dalpke, Cheaib Bachar
- PA4344 Effect of bronchoscopic lung volume reduction using endobronchial valves on endothelial function in severe COPD: A randomized controlled trial**  
Jasmin Wani (Uster, Switzerland), Noriane A. Sievi, Christian F. Clarenbach, Malcolm Kohler\*, Daniel P. Franzen\*
- PA4345 Peri-interventional single shot antibiotic prophylaxis may not inferior to a 5/7-day antibiotic prophylactic regime for patients undergoing endoscopic lung volume reduction**  
Eva Pappé (Berlin, Germany), Hadis Darvishi Nakhli Ebrahimi, Thomas Sgarbossa, Jacopo Saccomano, Martin Witzernath, Ralf-Harto Hübner
- PA4346 Comparison of efficacy and safety of different types of one-way valves in endoscopic lung volume reduction in patients with severe lung emphysema.**  
Thomas Sgarbossa (Berlin, Germany), Philipp Borchers, Jacopo Saccomano, Hannah Wüstefeld, Eva Pappé, Uta Wülfing, Ulrich Klein, Martin Witzernath, Franz Stanzel, Christian Grah, Ralf-Harto Hübner
- PA4347 Efficacy and Safety of Bronchoscopic Lung Volume Reduction for Chronic Obstructive Pulmonary Disease: A Systematic Review and Network Meta-analysis**  
Weidong Xu (Beijing, China), Gang Hou, Mingming Deng, Ziwen Zheng
- PA4348 Endobronchial closure of postoperative bronchopleural fistula with embolization coils: a sandwich-like approach**  
Shuliang Guo (Chongqing (Chongqing), China), Yang Bai, Yishi Li
- PA4349 Endobronchial valve treatment improves diaphragm function in severe emphysema patients**  
Else A M D ter Haar (Groningen, Netherlands), Dirk-Jan Slebos, Sonja W S Augustijn, Linze J Dijkstra, Jorine E Hartman
- PA4350 Risk factors for pneumothorax after treatment with endobronchial valves; a retrospective cohort study**  
Kirstine Hermann Jørgensen (Randers SØ, Denmark), Thomas Decker Christensen, Ingrid Louise Titlestad, Jesper Rømhild Davidsen, Kathrine Bock, Kristine Jensen, Michael Perch, Morten Bendixen, Ole Dan Jørgensen, Elisabeth Bendstrup
- PA4351 Clinical Response Rate to Endobronchial valve treatment of Chronic Obstructive Pulmonary Disease; A retrospective cohort study**  
Kirstine Hermann Jørgensen (Randers SØ, Denmark), Thomas Decker Christensen, Ingrid Louise Titlestad, Jesper Rømhild Davidsen, Kathrine Bock, Kristine Jensen, Michael Perch, Morten Bendixen, Ole Dan Jørgensen, Elisabeth Bendstrup

- PA4352 Efficacy and Safety of Broncho Muco Cleaner Balloon Dilatation Therapy in COPD(EXERTION®)**  
Erdoğan Çetinkaya (Istanbul, Turkey), Mustafa Çörtük, Demet Turan, Umut İlhan, Fulya Senem Karaahmetoğlu, Zeynep Betül Özcan, Barış Demirkol
- PA4353 Promoting Tracheal Fistula Healing by Using Designed Bioactive materials**  
Yiming Zeng (Quanzhou (Fujian Province), China), Shao-Bin He
- PA4354 Effect of Bronchoscopic lung volume reduction on Diaphragmatic Contraction in Patients with severe Emphysema**  
Maud Lormans (Roeselare, Belgium), Alexandros Kalkanis, Dries Testelmans, Marie Vermant, Hannelore Geysen, Dimitrios Papadopoulos, Bertien Buyse, Wim Janssens, Stephanie Everaerts
- PA4355 Bronchial Rheoplasty for Chronic Bronchitis**  
Hans Henrik Schultz (København, Denmark), Regitze Hertz Liebermann, Kristine Jensen, Jann Mortensen, Erik Lilja Secher, Thomas Kromann Lund, Michael Perch
- PA4356 A comparative study of airway Optical coherence tomography to assess airway morphology in patients with asthma, COPD, and ACO**  
Wanyuan Rao (Guangzhou, China)
- PA4357 Effect of intrapulmonary percussion ventilation on mucus in COPD patients**  
Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Eline Lauwers, Jan De Backer, Wilfried De Backer
- PA4358 Bronchial Anthracostenosis**  
Elena Martin Gallego (León, Spain), Pablo Franco Suarez, Yanira Chuquimia Mendoza,, Brenda Lucia Romero Argüello, Javier Juan Garcia, Yolanda Ramos Alonso, Milagros Blanco Fernández, Almudena Regidor Delgado, Patricia Giganto Alfageme, Lorena Rodriguez Casado, Silvia Fernandez Hueriga, Luis Carazo Fernandez
- PA4359 Long-term cost-effectiveness of transbronchial lung cryobiopsy in comparison to lung biopsy in the assessment of interstitial lung diseases**  
Joaquin Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Eduardo Luis De Vito, Horacio Matias Castro, Hernan Javier Benito
- PA4360 Late Breaking Abstract - Preliminary Safety and Efficacy of PulmValve Endobronchial Valve in Treating Severe Heterogeneous Emphysema: A First-in-Human Study**  
Shi-Yue Li (Guangzhou, China)

PS-31

Session 409

08:00 - 09:30

Poster session: Man and machine: getting the balance right to support respiratory care and clinical skills

**Disease(s) :** Thoracic oncology | Airway diseases | Interstitial lung diseases | Pulmonary vascular diseases | Respiratory critical care | Sleep and breathing disorders

**Method(s) :** Imaging | Public health | Epidemiology | General respiratory patient care | Physiology | Pulmonary function testing | Pulmonary rehabilitation | Endoscopy and interventional pulmonology

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right, Clinical

**Chairs :** Vitalii Poberezhets (Vinnytsia, Ukraine), Apolline Gonsard (Paris, France)

- PA4361 Comparison of two AI-based software tools for detection of Incidental Pulmonary Nodules (IPN) in a University Hospital and a Radiology Practice**  
Rimma Kondrashova (Hannover, Germany), Isabelle Ayx, Jens Langstein, Gerald Schmid-Bindert, Jens Vogel-Claussen
- PA4362 Evaluating the value of AI in lung imaging: a comprehensive review and evidence gap analysis from the healthcare authorities' and reimbursement perspective**  
Jana Keller (Forchheim, Germany), Fabien Colaone
- PA4363 Using AI to expose the mechanisms of exertional dyspnoea in COPD: conflating “excessive” and “constrained” ventilation during incremental CPET**  
J. Alberto Neder (Kingston (ON), Canada), Abed Hijleh, Danilo Berton, Sophia Wang, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell
- PA4364 Artificial intelligence (AI) in the initiation of CPAP treatment**  
Julia Sampol Sirvent (Barcelona, Spain), María Sáez, Cristina Aljama, Marta Andreu, Yolima Cossio, Emmanuel Giménez, Miriam Barrecheguren, Jorge Riquelme
- PA4365 Bridging the gap in implementation of home monitoring for Pulmonary Fibrosis: a healthcare professionals' perspective**  
Delian Hofman (Rotterdam, Netherlands), Karen Moor, Rémy Mostard, Frouke Van Beek, Marlies Wijzenbeek, Marleen De Mul

PA4366	<b>Telemonitoring of pediatric asthma outpatient settings: a systematic review</b> Inês Pais Cunha (Porto, Portugal), José Fontoura Matias, Laura Leite Almeida, Manuel Magalhães, João Almeida Fonseca, Inês Azevedo, Cristina Jácome
PA4367	<b>Personalised longitudinal symptom tracking for Long COVID in Northern Ireland</b> Nazia Chaudhuri (Limavady, United Kingdom), Katrina Delargy, Rachel Carlisle
PA4368	<b>Telemonitoring and the Aversion of Severe COPD Exacerbation: A Systematic Review and Meta-Analysis</b> Sujin JANG (Seoul, Republic of Korea), Youngmee Kim, Won-Kyung Cho
PA4369	<b>Digital inhaler adherence monitoring and intervention in COPD: A systematic review and meta-analysis</b> Hnin Wint Aung (Leicester, United Kingdom), Ronnie Tan, Cara Flynn, Pip Divall, Anna Murphy, Tom Ward, Neil Greening
PA4370	<b>The feasibility and acceptability of video directly observed therapy (v-DOT) for achieving mastery of inhaler and nasal spray technique: A qualitative exploration.</b> Kathryn Ferris (Bangor, United Kingdom), Paddy Mc Crossan, Michael Shields, James Paton, Lesley Storey, Dara O'Donoghue
PA4371	<b>Real-world walking of people with COPD</b> Laura Delgado Ortiz (Barcelona, Spain), Joren Buekers, Nikolaos Chynkiamis, Heleen Demeyer, Anja Frei, Elena Gimeno-Santos, Clint Hansen, Jeffrey Hausdorff, Nicholas Hopkinson, Carl-Philipp Jansen, Sarah Koch, Walter Maetzler, Dimitrios Megaritis, Milo Puhan, David Singleton, Guido Thoemmes, Ioannis Vogiatzis, Henrik Watz, Silvia Del Din, Brian Cauffield, Clemens Becker, Lynn Rochester, Thierry Troosters, Judith Garcia-Aymerich
PA4372	<b>Detecting the onset and peak symptoms of exacerbations of COPD by analyzing speech</b> Loes van Bommel (Maastricht, Netherlands), Yuyang Yan, Lauren Reinders, Visara Urovi, Hanneke Van Helvoort, Frits M. E. Franssen, Julia Hoxha, Marieke Spreeuwenberg, Sami O. Simons
PA4373	<b>Patient insights into decentralization of a clinical trial in asthma (TANGO)</b> Marisa Minetti (Parma, Italy), Gwen Skloot, Emilie Oosterom, Elisa Simeoni, Eva Topole
PA4374	<b>ERS CONNECT Clinical Research Collaboration (CRC): Developing a digital healthcare global network</b> Hilary Pinnock (Edinburgh, United Kingdom), Ireti Adejumo, Amy Hai Yan Chan, Isaac Cano, Richard Costello, David Drummond, Kjeld Hansen, Mark Hew, Chi Yan Hui, Vitalii Poberezhets, Job Van Boven
PA4375	<b>Estimated carbon emissions and support cost savings to telemedicine for patients with central airway diseases</b> Pedro Ciaralo (São Paulo, Brazil), Paulo Cardoso, Helio Minamoto, Benoit Bibas, Carlos Carvalho, Paulo Pego-Fernandes
PA4376	<b>Pedagogical evaluation of an augmented reality thoracentesis simulator for the training of medical students.</b> Benjamin Renaud-Picard (Strasbourg, France), Maxime Furstenberger, Nassim Chergui, Pierre Jean Bensoussan, Brice Valentin, Xavier Hallynck, Romain Kessler, Cezar Matau
PA4377	<b>Assessing the potential of using ChatGPT by patients with asthma</b> Anna V Demchuk (Vinnytsia, Ukraine), Vladyslav Kernitskyi, Vitalii Poberezhets, Nataliia Slepchenko, Tetyana Konstantynovych, Oksana Viltsaniuk, Mariia Ovcharuk, Alina Dovhan
PA4378	<b>Evaluation of ChatGPT's performance in Medical Education: A Comparative Analysis with Students in a Pulmonology Examination</b> Hela Cherif (Tunis, Tunisia), Chirine Moussa, Sarra Ben Rjab, Salma Mokaddem, Bisma Dhahri
PA4379	<b>Large language models in solving clinical dilemmas – advantages and drawbacks</b> Jeremie Juan (Edinburgh, United Kingdom), Divya Obla Amar Babu, Florian Gahleitner, Kenneth Macleod, Don S Urquhart, Catherine Mcdougall, Stefan A Unger, David Armstrong, Manjith Narayanan
PA4380	<b>How medical students use ChatGPT?</b> Nataliia Slepchenko (Vinnytsya, Ukraine), Anna Starychenko, Vitalii Poberezhets

**PS-4** **Session 410** **08:00 - 09:30**

**Poster session: Exploring novel mechanisms and targets in chronic obstructive pulmonary disease**

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

**Method(s)** : Cell and molecular biology Imaging

**Tag(s)** : Basic science, Translational

**Chairs** : Kinan El Husseini (Paris, France), Sukhwinder Sohal (Launceston, Australia)

PA4381	<b>Cell-type specific expression of TSLP &amp; its regulation by smoking in human airway epithelium</b> Senani Rathnayake (Sydney, Australia), Manav Sharma, Corry-Anke Brandsma, Brian Oliver, Wim Timens, Ian Adcock, Martijn Nawijn, Irene Heijink, Maarten Van Den Berge, Alen Faiz
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- PA4382** **Altered expression of miR-193b-3p, miR-202-5p and miR-331-3p in SEO-COPD lung tissue**  
Corry-Anke Brandsma (Groningen, Netherlands), Nicolaas J. Bekker, Jos L.L. Van Nijnatten, Roy R. Woldhuis, Wierd Kooistra, Wim Timens, Maarten Van Den Berge, Alen Faiz
- PA4383** **Lower HHIP serum protein levels in young COPD**  
Mohamed Zakaria LAHMAR (Montpellier, France), Engi Ahmed, Aurelie Fort, Isabelle Vachier, Nicolas Molinari, Anne Bergougnoux, Arnaud Bourdin
- PA4384** **LSC - 2024 - Epigenetic age acceleration and severity of airflow limitation on blood and lung tissue of COPD**  
Julieta Viglino (Barcelona, Spain), Sandra Casas-Recasen, Nuria Olvera, Tamara Garcia, Alvar Agusti, Rosa Faner
- PA4385** **Role of mitophagy regulator USP30 on mitochondrial health and airway epithelial function**  
Michael Munson (Möln dal, Sweden), Elisabeth Ax, Reetta Holmila, Emma Korhonen, Agnes Leffler, Markus Tammia, Ken Grime, Odqvist Lina
- PA4386** **Smoke-Triggered Cell Apoptosis: Role of miRNA200a-ZEB2 Interaction in BEAS-2B Cells**  
Jia Hou (Yinchuan, China), Xia Wang, Jiale Zhao, Xinru Peng, Zhijun Zhao, Juan Chen
- PA4387** **Transcriptomic changes in GOLD grade 2 to 3 COPD with chronic bronchitis following metered cryospray**  
Alexandra Baikov (London, United Kingdom), Ali Versi, Nadia Fernandes, James Tonkin, Rebecca Wawman, Richard Williams, Nik Matthews, Christopher Orton, Pallav Shah, Pankaj Bhavsar
- PA4388** **Gene and miRNA expression profiles in peripheral blood mononuclear cells (PBMCs) and sputum samples from patients with COPD with and without PiZZ- alpha1 antitrypsin deficiency**  
Cristina Esquinas Lopez (Barcelona, Spain), Cristina Aljama, Alexa Nuñez, Gerard Orriols, Galo Granados, Miriam Barrecheguren, Marc Miravittles
- PA4389** **The nasal transcriptome reflects clinically relevant disease activity in NOVELTY, with a different signal in asthma and in COPD**  
Maarten van den Berge (Groningen, Netherlands), Machteld N Hylkema, Martijn C Nawijn, Hui Wen, Christer Janson, Adnan Azim, Arun Jayaraman, Zhi Lui, Gary Anderson, Greet De Baets, Rod Hughes, Hana Müllerová, Daniel Muthas, Lisa Öberg, Kristoffer Ostridge, Adam Platt, Ian C Scott, Rosa Faner, Stephanie A Christenson, - For The Novelty Scientific Community And The Novelty Study Investigators
- PA4390** **Association of T-cell receptor  $\beta$  repertoire diversity and frequent exacerbation phenotype in COPD**  
Mengxin Cheng (Chengdu, China), Zijian Zeng, Ke Wang, Yanhui Gu, Jun Chen, Tao Wang, Fuqiang Wen
- PA4391** **Hub genes PRPF19 and PPIB in relation to COPD: A Mendelian Randomization investigation**  
Jia Hou (Yinchuan, China), Jiale Zhao, Shuhui Huang, Xinru Peng, Zhijun Zhao, Juan Chen
- PA4392** **Per3 deficiency aggravates cigarettes-smoking induced emphysema in mice**  
Yutian Zhang (Chengdu, China), Zijian Zeng, Mengxin Cheng, Tao Wang, Jun Chen, Fuqiang Wen
- PA4394** **Identification of Potential Hub Genes for Acupuncture in Treatment with Chronic Obstructive Pulmonary Disease via Integrated Bioinformatics Analysis**  
yang liu (zhengzhou, China), Yange Tian, Qingzhou Guan, Lanxi Zhang, Yixi Liao, Fanli Jin, Xuejie Shao, Jiansheng Li
- PA4395** **Modelling COPD in Drosophila Melanogaster by cigarette smoke inhalation exposure: Alterations in the expression of COPD-relevant orthologous genes**  
Erasmia Rouka (Larissa, Greece), Periklis Marnas, Sotirios Zarogiannis, Stefan Lüpold, Lydia Giannakou, Athanasios-Stefanos Giannopoulos, Chrissi Hatzoglou, Konstantinos Gourgoulanis
- PA4396** **GLUT3 mediated airway remodeling in chronic obstructive pulmonary disease through the NF-kB/ZEB1 pathway**  
Tao Bian (Wuxi, China), Yu Ding, Ziteng Wang, Zheming Zhang, Rong You, Yan Wu
- PA4397** **LSC - 2024 - Mucin overexpression in (pre-)COPD lung tissue correlates with degree of emphysema**  
Hanne Voet (Wilrijk, Belgium), Baptiste Oosterlinck, Wout Arras, Dieter Peeters, Jeroen Hendriks, Stijn Verleden, Annemieke Smet, Thérèse Lapperre
- PA4398** **Roxadustat Alleviates Cigarette-Induced COPD via the VEGF-A Pathway**  
Jing Zhang (Shanghai (Xuhui District), China), Jian-Lan Hua, Bin-Feng He
- PA4399** **The effects and mechanisms of PRDX6 on alleviating epithelial ferroptosis in COPD through enhancing the stability of ferritin and inhibiting its ferritinophagy**  
Tingting Wei (Shanghai, China), Xiaocen Wang, Ke Lang, Dong Yang
- PA4400** **Spatial transcriptome analysis in the airway epithelium identifies an altered gene expression profile in COPD versus control tissue**  
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Alexander Clay, Ian Hall, Ian Sayers

## PS-5 Session 411 08:00 - 09:30

## Poster session: Unravelling the vital role of immune cells in respiratory health

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

Method(s) : Cell and molecular biology Physiology Imaging Pulmonary function testing

Tag(s) : Translational

Chairs : Nahal Mansouri (Lausanne, Switzerland), Theodore Kapellos (Munich, Germany)

- PA4401 Cigarette smoke with IL-33 delivery leads to an exacerbated phenotype and hallmarks of mixed type 1/type 2 lung inflammation in mice**  
George Scott (Tarrytown, United States), Angelos Papatheodorou, Kaitlyn Gayvert, Weikeat Lim, Andrew Murphy, Audrey Le Floch, Seblewongel Asrat, Matthew Sleeman, Jamie Orengo
- PA4402 IL4 and IL13 cytokines exacerbate cigarette smoke-induced lung inflammation in mice by driving type 2 inflammation**  
audrey le floch-ramondou (Tarrytown, United States), Angelos Papatheodorou, George Scott, Seblewongel Asrat, Andrew Murphy, Matthew Sleeman, Jamie Orengo
- PA4403 Macrophage inflammation and association with structural remodeling in pre-COPD**  
Stijn Verleden (Wilrijk, Belgium), Jeroen Hendriks, Hanne Voet, Annemiek Snoeckx, Senada Koljenovic, Dieter Peeters, Therese Lapperre
- PA4404 Aloxistatin attenuates TNF- $\alpha$ -induced inflammatory responses in human bronchial epithelial cells: Implications for ARDS therapy**  
Xuan Phuoc Nguyen (Freiburg, Germany), Eleni Papakonstantinou, Charikleia Ntenti, Maria-Elpida Christopoulou, Gernot Zissel, Daiana Stolz, Sebastian Fährdrich
- PA4405 Stem cell treatment reduces T cell apoptosis in COPD patients with chronic bronchitis but not with emphysema**  
Zeynep Mercanci (Istanbul, Turkey), Emel Eryuksel, Zeynep Tunca, Sabriye Senem Kilic, Derya Kocakaya, Esra Akdeniz, Nur Ecep Oztop, Esin Cetin, Tunc Akkoc
- PA4406 The correlation of tolerangenic TIGIT+NK cells with the severity of COPD**  
Kuan-Yuan Chen (New Taipei City, Taiwan), Yueh-Hsi Chen, Kang-Yun Lee
- PA4407 CD4+ and CD8+ type-2 cells are enriched in sputum during COPD eosinophilic exacerbations**  
Adam Wright (Leicester (Leicestershire), United Kingdom), Hnin Aung, Tracy Thornton, Helen Evans, Akomeno Egbo, Sarah Edwards, Rebecca Dale, Hamish Mcauley, Omer Elneima, David J. Cousins, Neil Greening, Chris Brightling
- PA4408 Impact of glucocorticoids on damage-associated molecular patterns (DAMPs) release by human macrophages exposed to cigarette smoke and lipopolysaccharide**  
Chiara Cipollina (Palermo (PA), Italy), Salvatore Caruccio, Maria Rita Giuffrè, Lara Di Leonardo, Alice Conigliaro
- PA4409 Alveolar Macrophage based personalized therapy for the delivery of IL-37**  
Isabell Theisoehn (Homburg (Saar), Germany), Christoph Beisswenger, Christian Herr, Robert Bals
- PA4410 Pregnancy exacerbates neutrophil responses in murine lungs after cigarette smoke exposure**  
Ali Dehghani (Utrecht, Netherlands), Jeroen Van Bergenhenegouwen, Johan Garssen, Gert Folkerts, Saskia Braber
- PA4411 Pulmonary safety assessment of cancer immunotherapy on a patient-derived lung-on-chip**  
Giulia Raggi (Bern, Switzerland), Lauriane Cabon, Laurène Froment, Nicole Albrecher, Linda Steinacher, Lea De Maddalena, Janick Stucki, Nina Hobi
- PA4412 Late Breaking Abstract - Severe alpha-1 antitrypsin deficiency is associated with increased expression of CD8+ T cell markers**  
Rebecca FitzGerald (Dublin, Ireland), Malcolm Herron, Lasya Kanchi, Emma Leacy, Ronan Heeney, Suzanne Roche, Tomás Carroll, Mark Murphy, Noel Gerard Mcelvaney
- PA4413 Neutrophil-chemoattractant CXCL5 disrupts the lung barrier during acute lung injury**  
Geraldine Nouailles (Berlin, Germany), Sarah Berger, Cengiz Goekeri, Peter Pennitz, Birgitt Gutbier, Laura Michalick, Karen Hoffmann, Elena Lopez-Rodriguez, Vladimir Gluhovic, Sandra-Maria Wienhold, Ulrike Behrendt, Alexander Taylor, Kristina Dietert, Holger Kirsten, Torsten Hain, Sarah Volkers, Sebastian Weis, Achim D. Gruber, Leif E. Sander, Wolfgang Kübler, Norbert Suttrop - Capsys Study Group, Martin Witzenrath
- PA4414 Investigation of immune dysregulation in bronchiectasis: alterations of myeloid-derived suppressor cells and regulatory T cells**  
Andreas M. Matthaiou (Athens, Greece), Nikoleta Bizymi, Georgios Pitsidianakis, Eirini Vasarmidi, Christos Skiadas, Nikolaos Tzanakis, Katerina M. Antoniou

- PA4415 Airway neutrophils are primed for neutrophil extracellular trap formation in bronchiectasis: preliminary data from the BRILLIANT cohort study**  
Thomas Pembridge (Dundee, United Kingdom), Emma Johnson, Holly Lind, Eve Mcintosh, Morven Shuttleworth, Kateryna Viligorska, Megan Crichton, Helen Liddicoat, Dave Connell, Amelia Shoemark, Alison Dicker, Lucy Bidgood, Erin Cant, Kris Ostridge, Maria Belvisi, Adam Platt, Merete Long, James Chalmers
- PA4416 Portraying B cells in IPF: a focus on micro-environment and IgA secretion**  
Youri Bertrand (Woluwe Saint-Pierre, Belgium), Thomas Planté-Bordeneuve, Charles Pilette, Antoine Froidure
- PA4417 Patterns of inflammatory airway cells in young adults with bronchopulmonary dysplasia: a study from large and small airways**  
Jing Gao (Helsinki, Finland), Petra Um-Bergström, Eva Berggren-Broström, Lindén Anders, Åsa M Wheelock, Magnus Carl Sköld
- PA4418 Tregs, lymphocytes and molecules CTLA-4 and PD-1 in patients with co-existence of COPD and lung cancer - preliminary report**  
Robert Uliński (Warsaw, Poland), Joanna Domagala-Kulawik, Anna Trojnar, Iwona Kwiecień
- PA4419 Leukotriene A4 hydrolase (LTA4H) inside neutrophil derived extracellular vesicles breaks down PGP when exposed to neutrophil elastase.**  
Kristopher Genschmer (Birmingham, United States), Tamiajoi Langster, Ningyong Xu, J. Edwin Blalock, Derek Russell
- PA4420 Exhaled breath condensate in ILD with ultrasensitive cytokine measurement: paving the way of a non-invasive investigational tool**  
William Ringling (Liège, Belgium), Monique Henket, Aurélie Ladang, Stéphanie Kovacs, Benoit Ernst, Renaud Louis, Etienne Cavalier, Julien Guiot

**PS-6** **Session 412** **08:00 - 09:30**

**Poster session: Therapeutic interventions and nutrition in lung health and disease**

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

**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary rehabilitation Physiology Pulmonary function testing Respiratory intensive care

**Tag(s) :** Basic science, Translational

**Chairs :** Manuela Funke-Chambour (Bern, Switzerland), Mustafa Abdo (Grosshansdorf, Germany)

- PA4422 High insulin inhibits ferroptosis and alleviates acute lung injury via LNC473-HIF1 $\alpha$ -GPX4/FSP1 axis in obese mice**  
Shibo Guan (shenyang, China), Wei Wang
- PA4423 Effect of the putative senotherapy, Fisetin on small airway epithelial cells in COPD**  
Justine Devulder (London, United Kingdom), Peter Fenwick, May Al Sahaf, Patrizia Viola, Louise Donnelly, Peter Barnes
- PA4424 Investigation of heme-induced lung injury in human precision cut lung slices using a proteomics approach.**  
Namrata Kewalramani (Bern, Switzerland), Carlos Machahua, Thomas Marti, Michelle Zingg-Bärtschi, Fabian Käsermann, Martin Stampfli, Kleanthis Fytianos, Manuela Funke-Chambour
- PA4425 Whey Protein Supplementation Improves Lung Function, Functional Capacity and Respiratory and Peripheral Muscle Strength in Healthy Older Adults**  
Rodolfo P Vieira (Anápolis, Brazil), Meiry de Souza Moura Maia, Anamei Silva-Reis, Rosa Helena Ramos De Paula-Vieira, Eduarda Teodora Rachid Wolpp, Naiara Nadia Moreira, Luis Vicente Franco De Oliveira, Andre Luis Lacerda Bachi, Yanesko Fernandes Bella
- PA4427 Lead optimization and mode-of-action elucidation for novel antifibrotics**  
Kevin Merchant (Munich, Germany), Diana Porras-Gonzalez, Xin Wei, Michal Kratochvi, Vladimir Shitov, Huilong Ma, Niklas Lang, Ahmed Agami, Melanie Wögrath, Nikolaus Kneidinger, Ali Önder Yildirim, Herbert B. Schiller, Oliver Plettenburg, Michael Gerckens, Gerald Burgstaller
- PA4428 Virlaza® Demonstrates Profound Anti-inflammatory Effects Against Viral and Bacterial Infections: From Laboratory Research to Clinical Application**  
Rodolfo P Vieira (Anápolis, Brazil), Dobroslav Melamed, Maysa Alves Rodrigues Brandao-Rangel, Boris Brill, Razi Ronnen
- PA4429 Effect of the novel senolytic drug, BCL-xL PROTAC, on small airway epithelial cells in COPD**  
Justine Devulder (London, United Kingdom), Peter Fenwick, May Al Sahaf, Patrizia Viola, Neetu Razdan, Raphael Lemaire, Lina Odqvist, Louise Donnelly, Peter Barnes

PA4430	<b>Treatment with angiotensin-(1-7) shows a prolonged effect in an experimental model of chronic asthma with the maintenance of the allergen challenge</b> Igor Antonio Carvalho-Ribeiro (Belo Horizonte, Brazil), Maria Glória Rodrigues-Machado, Giselle Magalhães, Juliana Gregório, Kezia Gonzaga, Robson Augusto S. Santos, Maria José Campagnole-Santos
PA4431	<b>TGFβ drives fibrotic remodeling via modulation of homeostatic and pathological fibroblast populations in a murine model of pulmonary fibrosis</b> Michael Beers (Philadelphia, United States), Willy Roque-Barboza, Aditi Murthy, Sarah Bui, Yaniv Tomer, Charlotte Cooper, Katrina Chavez, Anamarie Reineberg, Luis Rodriguez
PA4432	<b>A micropeptide MSTRG.1695.1-aa alleviates inflammatory-fibrosis pathological injury of lung tissue in COPD mice by suppressing EMT via targeting p38-MAPK</b> Xue Tian (shanghai, China), Xue Zhang, Yan Zhou, Yuning Huang, Guogang Xie, Xia Fei, Min Zhang
PA4433	<b>MicroRNA-135a-5p suppresses the CaSR-NLRP3 inflammasome axis and protects against sepsis-induced acute lung injury</b> Salman Khan (New Delhi, India), Syed Mansoor Ali
PA4434	<b>LSC - 2024 - Sigma-1 receptor agonist mitigates bleomycin-induced pulmonary fibrosis in mice</b> Adam Hosszu (Budapest, Hungary), Akos Toth, Dora Bianka Balogh, Kata Cseko, Judit Hodrea, Zsuzsanna Helyes, Attila J. Szabo, Andrea Fekete
PA4435	<b>Late Breaking Abstract - KLF2 inhibits mechanical ventilation-induced lung injury by restoring the mitochondrial function of AEC2</b> juntang yang (Xinxiang, China), Xin Pan, Lan Wang, Guoying Yu
PA4436	<b>Inhibition of the de-ubiquitinase USP30 in human fibroblasts from IPF patients suppresses the fibrotic response</b> Ahmed Fahim (Wolverhampton (West Midlands), United Kingdom), Karim Hazar, Lawrence Eagles, Ahmed Habib, Patrick Yiu, Charlotte Knights, Paul Thompson, Francesco Nucera, Antonio Leni, Paul Kirkham
PA4437	<b>Repetitive human UC-MSC administration limits the progression of pulmonary fibrosis induced by repetitive bleomycin instillation</b> Joan Truyols (Inca, Spain), Alexandre Oliver-Roca, Gabriel Escarrer-Garau, Cristina Gómez-Bellvert, Teresa De Francisco-Casado, Maria Del Mar Estrany-Celià, Aina Martín-Medina, Catalina Crespi-Bestard, Ernest Sala-Llinàs, Josep Mercader
PA4438	<b>Late Breaking Abstract - Epithelial CLEC2 protects against acute lung injury</b> Tian Jiang (Shanghai, China), Xu Yang, Renhui Huang, Shaoyuan Zhang, Changhao Ren, Lijie Tan, Jun Yin
PA4439	<b>Antifibrotic property of pemafibrate during bleomycin-induced lung fibrosis</b> Sachi Matsubayashi (Tokyo, Japan), Saburo Ito, Saiko Nishioka, Shun Inukai, Masahiro Yoshida, Daisuke Takekoshi, Shunsuke Minagawa, Hiromichi Hara, Jun Araya
PA4440	<b>Jinshui Huanxian Formula Combined with Acupuncture inhibits Epithelial Mesenchymal Transition in Pulmonary Fibrosis Rats via TGF-β1/Smad Pathway</b> Chen Wang (Zhengzhou, China), Yange Tian, Peng Zhao, Zhiguang Qiu, Yixi Liao, Bo Wang, Qinghua Song, Huimeng Tang, Jiansheng Li

PS-7 Session 413 08:00 - 09:30

Poster session: Impact of the external and internal exposome on lung health: focus on pollutants and the microbiome

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

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

Tag(s) : Translational

Chairs : Didier Cataldo (Liege, Belgium), Carola Voss (Hanover, Germany)

PA4441	<b>Association between oxidative potential from particulate matter collected by personal samplers, and systemic inflammation in adult asthma patients. Preliminary results of ASTHMA-FENOP study.</b> Juan José Ruiz Cubillan (Mogro Miengo, Spain), Andrea Exposito Monar., Ignacio Fernandez Olmo, Juan Agüero Calvo, Beatriz Abascal Bolado, Carlos Antonio Amado Diago, Juan Luis García Rivero, Maria Teresa García Unzueta, Ana Berja Miguel, Beatriz Fernández Fernández, Adriana Núñez Robainas, Esther Barreiro Portela, Laura Ruiz Azcona, Marcos Lopez Hoyos, Juan Irure Ventura, José Manuel Cifrian Martínez, Miguel Santibañez Margüello
PA4442	<b>Interactions between candidate gene polymorphisms and air pollutants on asthma severity in adults</b> Antonino Margagliotti (Verona, Italy), Valentina Lando, Lucia Calciano, Cristina Bombieri, Francesca Locatelli, Giovanni Malerba, Pierpaolo Marchetti, Marion Nicolodi, Claudio Gariazzo, Sara Maio, Massimo Stafoggia, Giovanni Viegi, Alessandro Marcon, Simone Accordini



- PA4443** **Role of the neutrophil in a mouse model of pollutant-aggravated allergic asthma**  
Joyceline De Volder (Kruishoutem, Belgium), Annelies Bontinck, Valerie Haelterman, Guy Brusselle, Guy Joos, Tania Maes
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- PA4444** **Impact of prenatal stress on childhood wheeze and asthma**  
Tamar Bakhtadze (Batumi, Georgia), Vakhtang Beridze, Miranda Shervashidze, Nino Kiknadze
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- PA4445** **Late Breaking Abstract - Assessing Inflammatory Response to Air Pollution via VOCs in Exhaled Breath**  
Elizabeth Crone (Newcastle-upon-Tyne, United Kingdom), Agnieszka Smolinska, Stephen Lam, Ingrid Elisia, Crista Bartolomeu Bartolomeu, Gerald Krystal, Billy Boyle, Max Allsworth, Matt Kerr, Lara Pocock, Renelle Myers
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- PA4446** **Air pollutants and greenspaces exposure, and associations with respiratory health of children**  
Sowmya Malamardi (Bundoora, Victoria, Australia, India), Katrina Lambert, Bircan Erbas, Mahesh Padukudru Anand, Virendra Singh, Sundeep Salvi, A Gan Collaborators
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- PA4447** **Severity Response of Chronic Obstructive Pulmonary Disease to Temperature Fluctuations Due to Extreme Weather Events and Climate Change**  
Hsiao-Chi Chuang (Taipei, Taiwan), Syue-Wei Peng, Feng-Ming Yang, Shu-Chuan Ho, Sheng-Min Wu, Cheng-Wei Lin, Chia-Li Han, Kian Fan Chung, Yuan-Hung Wang, Kang-Yun Lee
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- PA4448** **Analysis of individuals presenting phenotypes of extreme high and low risk of developing tobacco-induced lung cancer.**  
Maria Navamuel Andueza (Pamplona, Spain), Pablo Echegoyen Ruiz, Maria Del Mar Ocon De Miguel, Alicia Sayes Chueca, Isberling Madeleine Di Frisco Ramirez, Carmen Felgueroso Rodero, Matilde Sangro Prieto, Ana Belén Alcaide Ocaña, Aranzazu Campo Ezquibela, Gorka Bastarrika, Ana Ezponda Casajús, Javier Pueyo, Luis Seijo Maceiras, Luis Montuenga Badía, Jose Luis Perez Gracia, Juan Pablo De Torres Tajés
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- PA4449** **Epithelial-Mesenchymal-transition (EMT) and epithelial integrity: role of viral/ bacterial infections in an “in vitro” COPD modelling**  
Giusy Daniela Albano (Palermo (PA), Italy), Angela Marina Montalbano, Rosalia Gagliardo, Mirella Profita
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- PA4450** **Wood smoke exposure induces lymphocyte activation in blood and bronchoalveolar lavage in humans.**  
Alva Matilda Hansson (Umeå, Sweden), Jamshid Pourazar, Maria Friberg, Annelie Behndig, Thomas Sandström, Ala Muala
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- PA4451** **Associations between fine particulate matter and lung function during late childhood and adolescence: the Sustainable Household Energy Adoption in Rwanda (SHEAR) Study**  
Kellin Slater (Fort Collins, United States), Ky Tanner, Vincent Cleveland, Bonnie Young, Christian L'Orange, Rebecca Witinok-Huber, John Balmes, Egide Kalisa, Lindsay Zurba, Theoneste Ntakirutimana, Kayleigh Keller, John Volckens, Maggie Clark
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- PA4452** **Impact of Indoor Air Pollution on Health Outcomes in Patients with Idiopathic Pulmonary Fibrosis**  
Hee-young Yoon (Seoul, Republic of Korea), Kyumin Kim, Sun-Young Kim, Sung Woo Park, Sun Mi Choi, Jimyung Park, Won-Il Choi, Joo Hun Park, Jongmin Lee, Yong Suk Jo, Hyung Koo Kang, Ala Woo, Song Yee Kim, Hongseok Yoo, Jong Sun Park, Eun Joo Lee, Yong Hyun Kim, Hoseob Kim, Ju Hyun Oh, Jin Woo Song
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- PA4453** **The effect of air pollution on the antiviral immune response in pulmonary fibrosis**  
Carmelo Sofia (Rome, Italy), Liam Edgeway, James Parkin, Lareb S N Dean, Yihua Wang, Donna E Davies, Luca Richeldi, Mark G Jones, Matthew Loxham
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- PA4454** **Changes in pharyngeal microbiota composition in patients with idiopathic pulmonary fibrosis**  
Xueting Yuan (Beijing, China), Ye Liu, Jing Wang, Jin Jin, Xiaomao Xu
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- PA4455** **Seasonal dynamics of airway microbiome in patients with COPD**  
SunHee Heo (Seoul, Republic of Korea), Bo-Yun Choi, Suk Young Park, Na Hyun Kim, Eunbyeong Song, Woo Jun Sul, Sei Won Lee
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- PA4456** **Association between the gut microbiome and low skeletal muscle mass in patients with COPD**  
Daisuke Kinose (Otsu, Japan), Satoru Kawashima, Seiko Ohno, Akio Yamazaki, Yasuki Uchida, Hiroaki Nakagawa, Masafumi Yamaguchi, Katsutaro Morino, Akira Andoh, Yasutaka Nakano, Emiko Ogawa
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- PA4457** **Ethnic disparities in asthma burden and gut bacteriome profiles of children with moderate-to-severe asthma in Europe**  
Mahmoud Ismael Abdel-Aziz (Amsterdam, Netherlands), Elise M.A. Slob, Simone Hashimoto, Lieke Noij, Yoni Van Dijk, Anne H. Neerinx, Paul Brinkman, Wim Van Aalderen, Jonathan Thorsen, Jakob Stokholm, Klaus Bønnelykke, Elin T.G. Kersten, Marielle W. Pijnenburg, Gerard H. Koppelman, Mario Gorenjak, Antoaneta A. Toncheva, Susanne Harner, Susanne Brandstetter, Christine Wolff, Paula Corcuera-Elosegui, Leyre López-Fernández, Olaia Sardón-Prado, Maria Pino-Yanes, Corinna Bang, Uroš Potočnik, Michael Kabesch, Berber Kapitein, Louise J. Fleming, Clare S. Murray, Urs Frey, Andrew Bush, Florian Singer, Gunilla Hedlin, Björn Nordlund, Kian Fan Chung, Ian M. Adcock, Aruna T. Bansal, Ana R. Sousa, Aletta D. Kraneveld, Peter J. Sterk, Graham Roberts, Susanne J. H. Vijverberg, Anke H. Maitland-Van Der Zee



**PA4458** **Geographic variation of the microbiome-resistome in bronchiectasis: Data from the European Bronchiectasis Registry (EMBARC)**  
Kai Xian Thng (Tampines, Singapore), Micheál Mac Aogáin, Jayanth Kumar Narayana, Fransiskus Xaverius Ivan, Tavleen Kaur Jaggi, Michal Shteinberg, Amelia Shoemark, Eva Polverino, Tobias Welte, Francesco Blasi, Stefano Aliberti, Pieter Goeminne, Natalie Lorent, Raja Dhar, Arietta Spinou, Michael Loebinger, Charles Haworth, Oriol Sibila, James D Chalmers, Sanjay H Chotirmall

**PA4459** **Long term effects of COVID-19 on the oral and lower airway microbiota**  
Daniela Alferes de Lima Headley (Dundee, United Kingdom), Hollian Richardson, Chandani Hennayake, Zsofia Eke, Jamie Stobo, Ling-Pei Ho, Alex Horsley, Michael Marks, Krisnah Poinasamy, Betty Raman, Louise V Wain, Rachael A Evans, Christopher E Brightling, Alison J Dicker, Philip L Molyneaux, James D Chalmers

**PA4460** **The pleural microbiome in lung transplant recipients and non-transplant patients**  
Carlo Mümmeler (München, Germany), Michael Gerckens, Silvia Gschwendtner, Mircea-Gabriel Stoleriu, Nicole Weiss, Ignaz Briegel, Laura Elsner, Philipp Plohmann, Maximilian Vorstandlechner, Diego Kaufmann-Guerrero, Gerald Burgstaller, Ali Önder Yildirim, Michael Schloter, Katrin Milger, Christian Schneider, Sebastian Michel, Michael Irlbeck, Najib M. Rahman, Jürgen Behr, Nikolaus Kneidinger

**PS-8** **Session 414** **08:00 - 09:30**

**Poster session: Exploring novel dimensions in the management of sleep-disordered breathing**

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

**Method(s) :** Pulmonary rehabilitation Epidemiology Physiology General respiratory patient care Public health Pulmonary function testing Imaging Cell and molecular biology

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right, Clinical

**Chairs :** Elisa Perger (Milano, Italy), Dimitrios Kantas (Perama-Ioannina, Greece)

**PA4461** **Crural and costal diaphragm activity diverge during REM sleep**  
Hiromitsu Kuroda (Sapporo, Hokkaido, Japan), Michael Ji, Jasmine Park, Paul Easton

**PA4462** **IS OSCILLOMETRY USEFUL IN OBSTRUCTIVE SLEEP APNEA?**  
Adriana Rodriguez Perojo (Pozuelo De Alarcón (Madrid), Spain), Cristina López Riobobos, Leonardo Saldaña Perez, Cristina Matesanz López, Jose María Díaz García, Sonia Pascual García, Jorge Mora Pinilla, Alejandro García García, Araceli Abad Fernandez

**PA4463** **OSA diagnosis by respiratory movement analysis using a conventional smartphone 3D camera**  
Aida Muñoz Ferrer (Badalona, Spain), Ignacio Alejandro Vicente, Miguel Ángel Cervantes, Ignasi Garcia-Olivé, Juan Treviño, Maria Teresa Moreno, Jorge Abad

**PA4464** **Air sampling from PAP devices: Gone with the wind?**  
Olivia McGuinness (Camperdown (NSW), Australia), Sebastiaan Van Hal, Collette Menadue, Susy Mathew, Rania Salama, Amanda Piper, Sheila Sivam

**PA4465** **Impact on symptomatic control and quality of life in patients with OSA and CPAP intolerance treated with mandibular advancement device after 5 years of follow-up.**  
Laura Lago Lagunas (Madrid, Spain), Edwin Yong Portugal, Eva Mañas Baena, Irene Cano Pumarega, Aldara García Sánchez, Laura Pozuelo Sánchez, María Parra Jarque, Alberto Carreño Alejandro, Sara González Castro, Winnifer Yaralis Briceño Franquiz, Ana Victoria Castillo Durán, Ignacio Jara, Juan Manuel Velasco, Diego Ceballos Gómez-Barreda, María Angélica Yáñez Quintero

**PA4466** **Evaluation of a radar-based XeThru sensor to assess respiratory rate in suspected OSA**  
Matteo Bradicich (Zurich, Switzerland), Elisabeth Wilhelm, Alexander Breuss, Joël Julien Herzig, Fabian Alexander Grewe, Robert Riener, Malcolm Kohler, Esther Irene Schwarz

**PA4467** **Screening moderate to severe obstructive sleep apnea with wearable device**  
James Tisyakorn (Pathum Thani, Thailand), Chatkarin Tepwimonpetkun, Tunlanut Sapankaew

**PA4468** **Effects of CPAP and its withdrawal on cardiovascular outcomes in patients with obstructive sleep apnoea - a two phase interventional trial**  
Joël Julien Herzig (Zürich, Switzerland), Michelle Mollet, Robin Mozolowski, Martina Meszaros, Lara Benning, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz

**PA4469** **Neuromuscular electrical stimulation therapy and obstructive sleep apnoea hypopnoea syndrome – is it effective in the real world?**  
Charlotte Elson (London, United Kingdom), Sara Parsons

- PA4470 Investigating low-pressure AI-enabled PAP therapy without compromising AHI: a win for all OSA patients**  
Hamed Hanafi (Halifax (NS), Canada), Meagan Sinclair, Najmeh Sadatnejad, Guillermo Aristi, Gregory Begin, Megan Neil, Sarah Reeve, Brendan Brady, Megan Campbell, Kazi Antor Hasan, Kamal El-Sankary, Robin Leblanc, Thomas Penzel, Ingo Fietze, Reena Mehra, Debra Morrison
- PA4471 Apnea index, aerobic capacity, and maximal respiratory pressures in untreated sleep apnea patients. Colombia**  
JOHN CASTILLO (PALMIRA, Colombia), Julián Andrés Rivera Motta, Mauricio Hernández Carrillo, Lina Marcela Orozco Mejía
- PA4472 Enhancing Patient Stratification in Suspected Obstructive Sleep Apnea: Introducing a Novel Intelligent Decision Support System**  
Manuel Casal-Guisande (Vigo, Spain), Alberto Fernández-Villar, Mar Mosteiro-Añón, Almudena González-Montaos, María-José Muñoz-Martínez, Alberto Comesaña-Campos, María Torres-Durán
- PA4473 Diaphragm shortening and EMG activity during Continuous Positive Airway Pressure**  
WOOSURNG LEE (Chungju-si, Republic of Korea), Michael Ji, Paul A. Easton
- PA4474 Inspiratory mallampati: a novel extension of modified mallampati for enhanced airway assessment**  
Hind Eid (Beirut, Lebanon), Antoine El Kik, Albert Riachy, Farid Mallat, Nicolas Medawar, Thalia Ishaya Hanna, Kristy Braidy, Dalia Al Halabi, Joe Elio El Chaer, Karl Chammas, Sophie Riachy, Moussa Riachy
- PA4475 The usefulness of an intra-oral tongue stimulation device**  
Chieri Kuroki (Tokyo, Japan), Kasagi Satoshi, Yuka Kimura, Yasuhiro Tomita, Takatoshi Kasai
- PA4476 Streamlining Sleep Study Access: A Quality Improvement Initiative Utilizing Home Sleep Studies and Virtual Clinics**  
Aoife Bradley (Dublin, Ireland), Minesh Kooblall, Sean Garvey, Alphonsa Kurian, Cliodhna Bardon, Eddie Moloney
- PA4477 Usage of adaptive servo-ventilation (ASV): results from the READ-ASV registry**  
Michael Arzt (Regensburg, Germany), Holger Woehrle, Raphael Heinzer, Oliver Munt, Jean-Louis Pèpin, Adam Benjafield
- PA4478 Decoding the Night: A Machine Learning Approach to Predict the Severity of Obstructive Sleep Apnea through Clinical Parameters**  
Neslihan Özçelik (Rize, Turkey), Ali Erdem Özçelik, Emre Bendes
- PA4479 The impact of comorbid asthma on obstructive sleep apnoea outcomes**  
Afsan Bulbul (Manchester, United Kingdom), Neal Ramchander, Patrick Senior, Andras Bikov
- PA4480 Late Breaking Abstract - Generating realistic flow limitation patterns using a closed-loop model controlling a mechanical valve**  
Mate Ferencz (Karlsruhe, Germany), Anna-Lena Dreixler

**PS-9** **Session 415** **08:00 - 09:30**

**Poster session: Novel research data on asthma and chronic obstructive pulmonary disease management: clinical applications**

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

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

**Tag(s) :** Translational

**Chairs :** Charlotte Suppli Ulrik (Virum, Denmark), Efthymia Papadopoulou (Thessaloniki, Greece)

- PA4481 Dupilumab attenuates mannitol airway hyper-responsiveness in uncontrolled severe type 2 high asthma**  
Rory Chan (Glasgow, United Kingdom), Kirsten Stewart, Chris Kuo, Brian Lipworth
- PA4482 Effects of biologics in obese severe asthmatic patients**  
Marco Vanetti (TRAVEDONA MONATE, Italy), Francesco Ardesi, Sarah Grossi, Martina Zappa, Davide Aloisio, Rosella Centis, Patrizia Pignatti, Antonio Spanevello, Dina Visca
- PA4483 Higher prevalence of dupilumab-induced ocular surface disease in Atopic Dermatitis compared to Asthma patients: a real life, observational study.**  
Lotte Bult (Rotterdam, Netherlands), A.R. Schlösser, J.C. Thelen, A.A.H.J. Thiadens, R. Schappin, T.E.C. Nijsten, J.C.C.M. In 't Veen, G.J. Braunstahl, D.J. Hijnen
- PA4484 Baseline characteristics of patients with asthma initiating dupilumab in a real-world setting: the RAPID registry**  
Njira Lugogo (Durham, United States), Anju T. Peters, Andreanne Cote, Ole Hilberg, Enrico Heffler, Xavier Muñoz, Ines Vinge, Adel H Mansur, Hiroyuki Nagase, Liyang Shao, Lauren Yarbrough, Lucia De Prado Gomez, Juby Jacob-Nara, Harry Sacks, Paul J Rowe, Yamo Deniz, Arnaud Bourdin

- PA4485 Sputum profile of patients on dupilumab.**  
Lynn Elsey (Hale, United Kingdom), Holly Montgomery, Gael Tavernier, Kathryn Prior
- 
- PA4486 Phase I, single-dose study to compare pharmacokinetics of depemokimab delivered by safety syringe device or autoinjector in healthy adults**  
Stein Schalkwijk (London, United Kingdom), Jeff Min, Anusmita Sen, Sei Choi, Chiara Zecchin, Brian Spears
- 
- PA4487 Severe asthma biologics use in England: a need to increase use and reduce inequity**  
Hitasha Rupani (Southampton, United Kingdom), Deepak Subramanian, Samantha Walker, Beverley Bostock
- 
- PA4488 Optimizing severe asthma care by consulting an asthma expertise team for biologics**  
Paulien Linders (deventer, Netherlands), Eline Eskes, Daphne Schaminee, Bart Hilvering, Els Weersink
- 
- PA4489 APPLICATION OF “EXACTO” SCALE TO ASSESS ANNUAL RESPONSE TO MONOCLONAL ANTIBODIES IN PATIENTS WITH SEVERE UNCONTROLLED ASTHMA.**  
Juan Manuel Diez Piña (Sevilla, Spain), Jesús Vázquez Domínguez, Patricia Montero Sanz, Andrea Vera Pila, Nuria Reyes Núñez, Javier Gallego Borrego
- 
- PA4490 The Impact of Biological Therapies and the Significance of Their Adherence on Asthma Outcomes**  
Riyad Allehebi (Riyadh, Saudi Arabia), Razan Kharraz, Ohowd Alrasheedi
- 
- PA4491 APPARENT 1 & 2 surveys: post-hoc analysis to assess predictors of asthma treatment adherence**  
Giorgio Walter Canonica (Milano (MI), Italy), Christian Domingo, Kim Lavoie, Amrit Kaliasethi, Shireen Quli Khan, Anurita Majumdar, SOURABH FULMALI
- 
- PA4492 Mepolizumab in patients with asthma and features of COPD: A MENSA/MUSCA post hoc analysis**  
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Peter Howarth, Robert Chan, Shibing Yang, Stefanie Kolterer, Lingjiao Zhang, Geoffrey Chupp
- 
- PA4493 The role of biological therapy with monoclonal antibodies in elderly patients with severe asthma**  
Júlia Filipa Cunha Silva De Gouveia (Charneca de Caparica (Setúbal), Portugal), Margarida Gomes, Ana Craveiro, Sofia Ferreira, Ana Mendes
- 
- PA4494 Risk of exacerbation and mortality in asthma – a 10-year retrospective financial database analysis**  
András Südi (Budapest, Hungary), Balázs Sánta, Gábor Tomisa, Alpár Horváth, Veronika Müller, Lilla Tamási, Noémi Eszes
- 
- PA4495 High-dose inhaled corticosteroid use associated with increased cardiovascular risk in patients with asthma**  
Anna von Bülow (Vedbæk, Denmark), Susanne Hansen, Patrik Sandin, Olivia Ernstsson, Alexandra Cooper, Kirk Geale, Lauri Lehtimäki, Charlotte Ulrik, Bernt Bøgvald Aarli, Pinja Ilmarinen, Sylvia Packham, Ghada Hassan, Vibeke Backer, Alan Altraja, Helena Backman, Paula Kauppi, Asger Sverrild, Valentyna Yasinska, Maritta Kilpeläinen, Arja Viinanen, Jussi Karjalainen, Apostolos Bossios, Celeste Porsbjerg, Hannu Kankaanranta, Christer Janson
- 
- PA4496 Asthma prescribing and reattendance in Emergency Care in a London District Hospital**  
Elspeth Carruthers (London, United Kingdom), Nitika Kaushal, Rosemary Clarke, Camilla Roberts, Andrew Singer
- 
- PA4497 Computed cardiopulmonography: Effects of salbutamol in healthy individuals versus patients with asthma**  
Asma Alamoudi (Oxford, United Kingdom), Thomas Grills, Haopeng Xu, Haopeng Xu, Nicholas M.J. Smith, Lorenzo S. Petralia, Dominic Sandhu, Graham Richmond, Tishan Wellalagodage, Jessica Luiz, Nick P. Talbot, Grant A.D. Ritchie, Ian D. Pavord, Nayia Petousi, Peter A. Robbins
- 
- PA4498 The adherence in the NEWTON population: a preliminary assessment**  
Fulvio Braido (Genova, Italy), Kai-Michael Beeh, Cristiano Caruso, Carolina Cisneros, Anh-Tuan Dinh Xuan, Lilla Tamási, Eleonora Ingrassia, Marielle Van Der Deijl, Luca Cavaliere, Alessio Piraino
- 
- PA4499 Asthma control improves in Austrian severe asthma patients.**  
Andreas Renner (Wien, Austria), Slagjana Stoshikj, Wolfgang Pohl, Christina Bal, Judith Löffler-Ragg, Matthias Reisinger, Roland Buhl, Eckard Hamelmann, Christian Taube, Stephanie Korn, Marco Idzko
- 
- PA4500 NEWTON study: an interim assessment on asthma control in Europe**  
Fulvio Braido (Genova, Italy), Kai-Michael Beeh, Carolina Cisneros, Cristiano Caruso, Anh-Tuan Dinh Xuan, Lilla Tamási, Eleonora Ingrassia, Marielle Van Der Deijl, Luca Cavaliere, Alessio Piraino

C4

Session 416

08:30 - 10:00

**Endoscopy session: Session 1: Diagnostic updates from the bronchoscopy suite**

**Aims :** To introduce the latest advancements in diagnostic technologies in bronchoscopy by providing insights into recent developments in techniques, technologies and diagnostic strategies; to provide practical guidance for performance and implementation, covering topics such as robotic bronchoscopy for peripheral lung lesions, cryo-endobronchial ultrasound for mediastinal diseases, cryobiopsy for interstitial lung diseases and thoracoscopy for pleural diseases.

**Disease(s) :** Thoracic oncology Interstitial lung diseases**Method(s) :** Endoscopy and interventional pulmonology**Tag(s) :** Clinical**Chairs :** Daniela Gompelmann (Vienna, Austria), Peter I. Bonta (Amsterdam, Netherlands)

08:30	<b>Introduction</b> All Speakers	4501
08:35	<b>Cryo-endobronchial ultrasound in mediastinal disease</b> Ales Rozman (Golnik, Slovenia)	4502
08:50	<b>Cryobiopsy in interstitial lung disease</b> Kirsten Kalverda (Amsterdam, Netherlands)	4503
09:05	<b>Thoracoscopy for pleural diseases</b> Mohammed Munavvar (Preston (Lancashire), United Kingdom)	4504
09:20	<b>Robotic bronchoscopy for peripheral lung lesions</b> Judith Brock (Heidelberg, Germany)	4505
09:35	<b>Discussion and Q&amp;A</b> All Speakers	4506

**C2** Session 417 08:30 - 10:00**Hot topics: Hot topics in pulmonary hypertension****Conclusions and controversies at the 7th World Symposium on Pulmonary Hypertension****Aims :** To list the main points of progress that were made at the 7th World Symposium on Pulmonary Hypertension (WSPH7; Barcelona, 29 June to 1 July, 2024) compared with the 2022 European Respiratory Society/European Society of Cardiology guidelines; to identify knowledge gaps and areas of controversy that remained unresolved at the WSPH7.**Disease(s) :** Pulmonary vascular diseases**Method(s) :** Cell and molecular biology**Tag(s) :** Clinical, Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Patient, Physician in Pulmonary Training, Scientist (basic, translational)**Chairs :** Gabor Kovacs (Graz, Austria), Marc Humbert (Le Kremlin-Bicêtre, France), Vallerie V. McLaughlin (Ann Arbor, United States)

08:30	<b>Pathobiology and genetics of pulmonary hypertension</b> Andrea Olschewski (Graz, Austria)	4507
08:45	<b>Definition, classification and diagnosis of pulmonary hypertension</b> Sonja Bartolome (Dallas, United States)	4508
09:00	<b>Pulmonary hypertension treatment algorithm and pipeline</b> Olivier Sitbon (Le Kremlin-Bicêtre, France)	4509
09:15	<b>The right ventricle in pulmonary hypertension: a future treatment target?</b> Anton Vonk Noordegraaf (Amsterdam, Netherlands)	4510
09:30	<b>Patient perspectives in pulmonary hypertension</b> Pisana Ferrari (Udine, Italy)	4511
09:35	<b>Discussion and Q&amp;A</b> All Speakers	4512

**C5** Session 418 08:30 - 10:00**Symposium: Neglected aspects in the care of patients with sarcoidosis****Aims :** To discuss an extremely multifaceted pathology of sarcoidosis and required significant clinical diagnostic effort to fully manage the disease.**Disease(s) :** Interstitial lung diseases Sleep and breathing disorders**Method(s) :** Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory physiotherapist

**Chairs :** Rafael E. de la Hoz (New York, United States), Michael Kreuter (Mainz, Germany), Oriane Dumas (Villejuif, France)

<b>08:30</b>	<b>The impact of patient associations on daily practice</b> Filippo Martone (Bologna (BO), Italy)	<b>4513</b>
<b>08:35</b>	<b>Obstructive sleep apnoea and sarcoidosis: an underestimated comorbidity</b> Elisabetta Renzoni (London, United Kingdom)	<b>4514</b>
<b>08:50</b>	<b>Sarcoidosis and ability to work</b> Lesley Ann Saketkoo (New Orleans, United States)	<b>4515</b>
<b>09:05</b>	<b>Small fiber neuropathy in sarcoidosis: how to navigate towards diagnosis and treatment</b> Marcel Veltkamp (De Meern, Netherlands)	<b>4516</b>
<b>09:20</b>	<b>Sarcoidosis: preservation of the quality of life</b> Katharina Buschulte (Heidelberg, Germany)	<b>4517</b>
<b>09:35</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>4518</b>

## C6 Session 419 08:30 - 10:00

### State of the art session: Respiratory critical care

#### Acute respiratory distress syndrome

**Aims :** To provide a broad overview of acute respiratory distress syndrome (ARDS).

**Disease(s) :** Respiratory critical care

**Method(s) :** Respiratory intensive care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

**Chairs :** Ignacio Martin-Loeches (Dublin, Ireland), Ana Cysneiros (Lisboa, Portugal), Sophia E. Schiza (Heraklion, Greece)

<b>08:30</b>	<b>Pathophysiology and phenotyping of acute respiratory distress syndrome: an update</b> Lieuwe D.J. Bos (Amsterdam, Netherlands)	<b>4519</b>
<b>08:45</b>	<b>High-flow oxygen and non-invasive ventilation in acute respiratory failure: still don't push too hard?</b> Nicholas Hart (London, United Kingdom)	<b>4520</b>
<b>09:00</b>	<b>From respiratory mechanics to the invasive setting of mechanical ventilation</b> Lise Piquilloud (Lausanne, Switzerland)	<b>4521</b>
<b>09:15</b>	<b>ECMO and ECCO2R in acute respiratory distress syndrome: standard of care?</b> Christian Karagiannidis (Cologne, Germany)	<b>4522</b>
<b>09:30</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>4523</b>

## A2 Session 420 08:30 - 10:00

### Symposium: Behaviour change and self-management in chronic respiratory disease

**Aims :** To explain how to address the psychosocial aspects of care, mitigate social dimensions, assess patients' readiness for change and harness novel approaches to enhance self-management in individuals with chronic respiratory conditions; to help participants identify the holistic needs of individuals with chronic respiratory conditions, promote effective self-management and improve quality of life.

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

**Method(s) :** General respiratory patient care Palliative care Pulmonary rehabilitation

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic oncologist, Respiratory therapist, Journalist

**Chairs :** Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Heleen Demeyer (Leuven, Belgium), Andreas Von Leupoldt (Leuven, Belgium)

<b>08:30</b>	<b>Psychosocial care wears multiple hats: which one may best suit?</b> Francesco Pagnini (Milan, Italy)	<b>4524</b>
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08:45	<b>Social dimensions of self-management: the impact of stigma-related emotions and social isolation</b> Sara Lundell (Umea, Sweden)	4525
09:00	<b>From thought to action: assessing stages of change in patients with chronic respiratory disease</b> Ingeborg Farver-Vestergaard (Vejle, Denmark)	4526
09:15	<b>Let the music play: music therapy as an adjunct in clinical care</b> Annemarie Lee (Melbourne (VIC), Australia)	4527
09:30	<b>Discussion and Q&amp;A</b> All Speakers	4528

### C3 Session 421 08:30 - 10:00

Symposium: The value of in vitro diagnostic tests to reduce antimicrobial resistance and to improve patient outcomes

Results from the European Value-Dx project

Disease(s) : **Respiratory infections**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician

Chairs : Herman Goossens (Edegem (Antwerp), Belgium), Chiara Premuda (Milano, Italy), Onno Akkerman (Groningen, Netherlands)

08:30	<b>Enhancing antibiotic prescription quality in paediatric emergency rooms: results from the ADEQUATE trial</b> Julia Bielicki (London, United Kingdom)	4529
08:45	<b>Point-of-care testing to safely reduce antibiotic use in primary care: results from the PRUDENCE trial</b> Emma Harper (Oxford, United Kingdom)	4530
09:00	<b>Stakeholder perspectives on implementing point-of-care tests in community care</b> Melanie Hoste (Antwerpen, Belgium)	4531
09:15	<b>Economic impact of different diagnostic strategies in respiratory infection</b> Maarten Postma (Groningen, Netherlands)	4532
09:30	<b>Discussion and Q&amp;A</b> All Speakers	4533

### Studio Session 422 09:00 - 09:15

News from the studio: News from the studio 3

Aims : To introduce and summarise the congress programme for a day.

Chairs : Monika Gappa (Düsseldorf, Germany), Jonathan Grigg (London, United Kingdom)

### C1 Session 424 09:15 - 10:00

Guidelines session: Treatment of pulmonary chronic graft-versus-host disease in adults

ERS/EBMT clinical practice guideline

Aims : To provide evidence-based recommendations for the treatment of adults (aged  $\geq 18$  years) with lung chronic graft-versus-host disease phenotype bronchiolitis obliterans syndrome.

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Transplantation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Federica Meloni (Pavia (PV), Italy), Dragos Bumbacea (Bucuresti, Romania), Dorina Rama Esendagli (Ankara, Turkey)

09:15	<b>Patient's perspective</b> Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)	4535
09:20	<b>Pulmonary chronic graft-versus-host disease: what's up?</b> Daiana Stolz (Freiburg, Germany)	4536

09:35 **Pulmonary chronic graft-versus-host disease: guidelines on treatment** 4537  
Saskia Bos (Newcastle upon Tyne, United Kingdom)

09:50 **Discussion and Q&A** 4538  
All Speakers

**Studio** **Session 425** **09:20 - 10:05**

**Pro-Con debate: Is single maintenance and reliever therapy really smart in children aged 6 years and older with asthma?**

**Aims :** Single maintenance and reliever therapy (SMART) has recently been extended to children aged 6 years and older and is recommended by various therapy guidelines for children at GINA levels 3 and 4. Although the SMART approach has great potential because it is easier for parents and patients and there are data showing it has less potential to retard growth, there are few data from controlled studies to support this approach in younger children.

To discuss the advantages and disadvantages of the single maintenance and reliever therapy (SMART) regimen in children; to explain the limitations; to describe which children the SMART approach may be suitable for.

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

**Method(s) :** General respiratory patient care

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

**Chairs :** Monika Gappa (Düsseldorf, Germany), Jonathan Grigg (London, United Kingdom)

09:20 **Pro: SMART should be the preferred therapy option in children with asthma aged 6 years and older because it is so smart** 4539  
Louise Fleming (London, United Kingdom)

09:35 **Con: (S)MART is not so smart in young children. Where is the clinical evidence and for whom?** 4540  
Alexander Möller (Zürich, Switzerland)

09:50 **Discussion and Q&A** 4541  
All Speakers

**A1** **Session 426** **09:30 - 10:45**

**Oral presentation: The regenerative potential of stem cells in lung diseases**

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

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

**Tag(s) :** Basic science, Translational

**Chairs :** Niki L. Reynaert (Maastricht, Netherlands), Sara Rolandsson Enes (Lund, Sweden)

OA4542 **Late Breaking Abstract - Engraftment of autologous airway epithelial cells in the rabbit trachea**  
Robert E. Hynds (London, United Kingdom), Elizabeth F. Maughan, Chun Hang Lau, Lei Wu, Dong Zhang, Maral Rouhani, Liam Sutton, Martin A. Birchall, Richard Hewitt, Sam M. Janes, Jessica Weedon, Colin R. Butler, Wenhui Song

OA4543 **The hyper-inflammatory SARS-CoV-2-induced ARDS patient micro-environment licenses MSCs and enhances their therapeutic efficacy in a model of acute lung injury**  
Courtney Tunstead (Kildare, Ireland), Evelina Volkova, Hazel Dunbar, Ian Hawthorne, Alison Bell, Ritu Negi, Bairbre Mcnicholas, Claudia C. Dos Santos, John G. Laffey, Karen English

OA4544 **Cytokine preconditioning enhances the therapeutic potential of MSCs in ARDS**  
Lanzhi Liu (Galway, Ireland), Juan Fandino, Claire Masterson, John Laffey, Daniel O'Toole

OA4545 **Lung extracellular matrix hydrogels promote the secretion of mesenchymal stromal cells-derived exosomes**  
Alicia Jurado (Barcelona, Spain), Anna Ulldemolins, Jordi Otero, Ramon Farré, Albert Lu, Isaac Almendros

OA4546 **Phase I clinical trial on pleural mesothelioma using neoadjuvant local administration of paclitaxel loaded mesenchymal stromal cells (PACLIMES trial): rationale and study design**  
Giulia Maria Stella (Pavia (PV), Italy), Daniela Lisini, Patrizia Comoli, Francesco Agustoni, Giulia Galli, Chandra Bortolotto, Giulio Melloni, Gioacchino D'Ambrosio, Catherine Klersy, Augusto Pessina, Paolo Pedrazzoli, Angelo G. Corsico

OA4547 **Autologous transplantation of P63+ lung progenitor cells (REGEND001) for idiopathic pulmonary fibrosis therapy: phase I clinical trial**  
Wei Zuo (Shanghai, China), Ting Zhang, Shiyu Zhang, Yu Zhao

- OA4548** **Aging affects reprogramming of pulmonary capillary endothelial cells after lung injury**  
Bernard Mari (Valbonne, France), Marin Truchi, Grégoire Savary, Marine Gautier-Isola, Hugo Cadis, Arun Lingampally, Virginie Magnone, Clémentine De Schutter, Paul Hofman, Andreas Gunther, Pascal Barbry, Sylvie Leroy, Kevin Lebrigand, Nicolas Ricard, Saverio Bellusci, Christelle Cauffiez, Georges Vassaux, Nicolas Pottier
- OA4549** **Benefits of bronchial epithelial repair by iPSCs in COPD**  
Marion Nadaud (Montpellier, France), Carine Bourdais, Aurélie Fort-Petit, Engi Ahmed, Kheira Hireche, Isabelle Vachier, John De Vos, Arnaud Bourdin
- OA4550** **How can gene editing of human pluripotent stem cells help understand the effect of genetics on respiratory diseases?**  
Sara Cuevas Ocaña (Nottingham, United Kingdom), Jin Ye Yang, Magomet Aushev, George Schlossmacher, Christine E. Bear, Nicholas R. F. Hannan, Neil D. Perkins, Janet Rossant, Amy P. Wong, Michael A. Gray
- OA4551** **An RNA Editing Approach for the Treatment of Alpha-1 Antitrypsin Deficiency (AATD)**  
Prashant Monian (Cambridge, United States), Cynthia Caracta, Chikdu Shivalila, Genliang Lu, Keith Bowman, Michael Byrne, Lanyie Xie, Jigar Desai, Anamitra Ghosh, Tomomi Kawamoto, Pachamuthu Kandasamy, Anthony Lamattina, Fangjun Liu, Ik-Hyeon Paik, Jeanette Rheinhardt, Mamoru Shimizu, Kuldeep Singh, Hailin Yang, Padma Narayanan, Xiao Shelley Hu, Paloma Giangrande, Chandra Vargeese
- OA4552** **Discussion and Q&A**  
All Speakers

A3

Session 427

09:30 - 10:45

## Oral presentation: From omics to clinical care in interstitial lung disease

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

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

Tag(s) : Clinical, Translational

Chairs : Phil Molyneaux (London, United Kingdom), Namrata Kewalramani (Bern, Switzerland)

- OA4553** **Late Breaking Abstract - Pulmonary localization and enrichment of IL1RAP in fibrotic interstitial lung diseases**  
Linda Elowsson (Lund, Sweden), Barbora Michaliková, Caitríona Grönberg, Tom Delaire, Nils Norlin, Sara Rattik, David Liberg, Gunilla Westergren-Thorsson
- OA4554** **LSC - 2024 - microRNA-Based Approaches Targeting Alveolar Epithelial Cells as Pro-Regenerative Treatment in Idiopathic Pulmonary Fibrosis**  
Luca Braga (Trieste, Italy), Maria Concetta Volpe
- OA4555** **Mass spectrometry (MS)-based proteomics and mortality analysis in idiopathic pulmonary fibrosis (IPF)**  
Benedikt Gansen (Bonn, Germany), Aravind A Menon, Hillary Mulder, Megan L Neely, Christian Hesslinger, Margaret L Salisbury, Brian D Southern, Thomas B Leonard, Felix Meissner, Jamie L Todd
- OA4556** **Performance comparison of e-Lung with densitometry in the CT evaluation of patients with IPF**  
Peter George (London, United Kingdom), Christian Rennison-Jones, Aliko Sifostratoudaki, Rachel Baggs, Stephen Gerry, Claire Fernandez, George Harston, Olivier Joly, Anand Devaraj
- OA4557** **Intratracheal therapy using nintedanib amorphous particles in murine pulmonary fibrosis**  
Kaho Suzuki (Shizuoka, Japan), Fu Namai, Aito Murakami, Yuichi Sato, Akihiro Kotsugai, Takeshi Shimosato, Takashi Sato
- OA4558** **Pirfenidone reduces the risk of lung cancer development in IPF: a nationwide population based study**  
Hee-young Yoon (Seoul, Republic of Korea), Kyung-Il Han, Hoseb Kim, Yoonjong Bae, Jin Woo Song
- OA4559** **PM2.5 and NO2 exposure are associated with worse prognosis in IPF: Analysis of the UK PROFILE study**  
Athina Trachalaki (London, United Kingdom), Gillian Goobie, Philip Molyneaux, Louise V. Wain, Athol U. Wells, Elisabetta Renzoni, Gauri Saini, Simon Johnson, Toby M. Maher, Gisli Jenkins, Iain Stewart
- OA4560** **Survival of patients with pulmonary hypertension associated with fibrotic interstitial lung disease is not dependent on ILD subtype**  
Ifan Jenkin (London, United Kingdom), Konstantinos Dimopoulos, Timothyjw Dawes, Simon Bax, Colm McCabe, Bhavin Rawal, Peter George, Heba Nashat, Bhashkar Mukherjee, Vasilis Kouranos, Athol Wells, Elizabeth Renzoni, John Wort, Laura Price
- OA4562** **Late Breaking Abstract - Developing a prognostic SLB-derived gene signature in fibrosing ILDs**  
Seung Kim (London, Canada), Nathashi Jayawardena, Matthew Cecchini, Keith Kwan, William Dawson, Daniel Passos, Frederick Dick, Marco Mura

**OA4561** **Late Breaking Abstract - Antifibrotic Therapy and Risk of Lung Cancer in Patients with Idiopathic Pulmonary Fibrosis**  
Supiya Kijlertsuphasri (Bangkok, Thailand), Tananchai Petnak, Teng Moua

**OA4563** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 428

09:30 - 10:45

## Oral presentation: Best abstracts in clinical problems

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

**Method(s)** : Imaging General respiratory patient care Epidemiology Pulmonary function testing Endoscopy and interventional pulmonology

**Tag(s)** : Clinical

**Chairs** : Georgios Kaltsakas (Athens, Greece), Shailesh Balasaheb Kolekar (Herlev, Denmark)

**OA4564** **Late Breaking Abstract - Promptly escalating to budesonide/glycopyrronium/formoterol from dual therapy reduces exacerbations and cardiopulmonary events in patients with COPD (MITOS EROS+CP study)**  
Hana Müllerová (Cambridge, United Kingdom), Joseph Tkacz, Jill Schinkel, Barnabie Agatep, Edward Portillo, Hayley Germack, Michael Crooks, Charlie Strange, Jonathan Marshall, Michael Pollack

**OA4565** **Machine learning for predicting extubation success: secondary analysis of the COBRE-US study**  
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Maldonado-Franco, Eduardo Tuta-Quintero, Luis Fernando Giraldo-Cadavid, Daniel Botero-Rosas

**OA4566** **Long-term oxygen therapy 24 or 15 hours/day and outcomes: a multicenter, registry-based, randomized, clinical trial.**  
Josefin Sundh (Örebro, Sweden), Magnus Ekström, Anders Andersson, Savvas Papadopoulos, Taivo Kipper, Bo Pedersen, Ozren Kricka, Pierre Sobrino, Michael Runold, Andreas Palm, Anders Blomberg, Ranjh Hamed, Eva Lindberg, Hans Zingmark, Mats Lagerstedt, Björn Sundberg, Ghadeer Thabet, Nermin Hadziosmanovic, Christer Janson, Christine McDonald, David Currow

**OA4567** **Outcomes of Targeted Lung Denervation in COPD in AIRFLOW-2 compared to AIRFLOW-3 open-label cohort.**  
Pallav L. Shah (London, United Kingdom), Dirk-Jan Slebos, Frank Sciurba, Bruno Degano, Nicolas Guibert, Stephan Eisenmann, Arschang Valipour, Charles-Hugo Marquette, Felix Herth, Gerard J. Criner

**OA4568** **Comparative analysis and clinical application of imaging methods for diagnosis of pulmonary embolism**  
Sevda Naydenska (Sofia, Bulgaria), Konstantin Grudkov, Bilyana Stancheva, Radoslav Bilyukov, Ognyan Georgiev, Ventsislava Pencheva

**OA4569** **Predictive score for in-hospital mortality in patients with severe AECOPD**  
yanlu Hu (Beijing, China), Yanfei Guo

**OA4570** **Peripheral blood NMLR can predict 5-year all-cause mortality in patients with chronic obstructive pulmonary disease**  
Ming Zhang (Xi'an, China), Yuer Li, Jie Zhang

**OA4571** **Proteins associated with preserved ratio impaired spirometry (PRISm)**  
Eva Lindberg (Uppsala, Sweden)

**OA4572** **The airways fungal microbiota and risk for coronary heart disease in COPD patients and healthy controls**  
Christina Due Svendsen (Bergen, Norway), Rune Nielsen, Kris Ostridge, Karel K Kuiper, Terje H Larsen, Einar Marius Martinsen, Tomas Eagan

**OA4573** **Novel oral PORCN inhibitor does not alter the PK of nintedanib, an approved therapy for idiopathic pulmonary fibrosis**  
Susanne Prothon (MÖLNDAL, Sweden), Ann Aurell Holmberg, Pradeep Sharma, Joachim Almquist, Sandra Grañana Castillo, Szilárd Nemes, Richard Baldry, Maciej Sosnowski, Karin Enarsson Ringqvist, Xiao-Hong Zhou, Engin L, Caroline A. Owen, Bernadette Gochuico, Gunilla Wall, David Steel, Ellinor Hornberg

**OA4574** **Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 429

09:30 - 10:45

## Oral presentation: Clinical outcomes and translational aspects in severe asthma

**Disease(s)** : Airway diseases Respiratory critical care**Method(s)** : Cell and molecular biology Pulmonary function testing Epidemiology Public health Physiology Pulmonary rehabilitation**Tag(s)** : Clinical**Chairs** : Fabio L. M. Ricciardolo (Torino, Italy), Freda Yang (London, United Kingdom)

**OA4575 Late Breaking Abstract - Proteome profiling of plasma reveals biomarkers of COPD associated pulmonary hypertension**  
Xuefei Liu (Shanghai, China), Yanting Zhou, Simin Xie, Jingwen Huang, Ze Zhang, Qianqian Zhao, Jiaxin Tian, Qiurui Zhang, Hejie Song, Lin Huang, Yi Guo, Tong Yin, Min Zhou

**OA4576 The patient health-related quality of life (HRQoL) burden of severe asthma in Europe (SHARP CRC) for specific subgroups**  
Lianne ten Have (Leeuwarden, Netherlands), J. Lanario, M. Masoli, S. Doe, K. Bayani, D. Redwood, T. Wainwright, J. Tilley, K. Bieksiene, J. Palacionyte, C. Loureiro, M. Gonçalves Cunha, P. Nogueira Costa, I. Farinha, S. Hromis, B. Dahlén, V. Yasinska, O. Tenzelius, S. Skrgat, M. Paula-Rezelj, P. Kopač, A. Žaže Bertoncel, Fleur L. Meulmeester, D. Hamerlijnck, K. De Jong, A. Ten Brinke, Jacob K. Sont

**OA4577 Remission could be predicted by sputum markers in severe asthma after therapy targeting anti interleukin-5 receptor**  
Catherine Moermans (Liège, Belgium), Nicolas Decerf, Monique Henket, Virginie Paulus, Françoise Guissard, Julien Guiot, Renaud Louis, Schleich Florence

**OA4578 Fixed-dose fluticasone propionate/salmeterol (FP/SAL) and budesonide/formoterol (BUD/FOR) comparative effectiveness in moderate-severe asthma: US database analysis**  
richard stanford (Chapel Hill, United States), Mohamed Hamouda, Nicola Hanania, Adrian Rendon, Bilun Gemicioglu, Leandro Fritscher, Watchara Boonsawat, Shireen Quli Khan

**OA4579 DARWIN EU® - Background rates of clinical outcomes of interest in patients with severe asthma**  
Katia Mc Verhamme (Rotterdam, Netherlands), Maria De Ridder, John Arinze, Ger Inberg, Antonella Delmestri, Ed Burn, Miguel-Angel Mayer, Angela Leis, Juan Manuel Ramirez, Raivo Kolde, Marek Oja, Núria Mercadé Besora, Talita Duarte Salles

**OA4580 T1/T3 pathways and chemokines in mild-to-severe neutrophilic asthma**  
Elisa Arrigo (Orbassano, Italy), Francesca Bertolini, Vitina Carriero, Stefano Levra, Giuseppe Guida, Stefano Pizzimenti, Gino Viletti, Daniela Miglietta, Fabio Luigi Massimo Ricciardolo

**OA4581 Towards a paradigm shift in Severe Asthma Management: deep analysis of the effect of suBmaximal Aerobic training (SAMBA)**  
Florence Schleich (Liège, Belgium), Sébastien Louis, Stéphanie Ziant, Jean-François Kaux, Renaud Louis, Thierry Bury

**OA4582 Are circulating CC10 levels and gene G38A polymorphism associated with subsequent asthma outcomes in patients with moderate-to-severe asthma ?**  
Aïda Diop (Montpellier, France), Engi Ahmed, Anne-Sophie Gamez, Isabelle Vachier, Patrick Berger, Camille Taille, Pascal Chanez, François- Xavier Blanc, Cecile Chenivresse, Fanchon Hermann, Nicolas Molinari, Arnaud Bourdin, Jeremy Charriot, - On Behalf Of Cobra Study Group

**OA4583 A Three-Year Review of Benralizumab Therapy: Long-Term Control of Eosinophilic Asthma and Associated Risks**  
Nimród László (Targu Mures, Romania), Cristina-Alexandra Man, Gabriela Jimborean, Corina Marginean

**OA4584 Rate of admission and readmission to the ED among patients with severe asthma**  
Irvin Mayers (Edmonton (AB), Canada), Arsh K. Randhawa, Christina Qian, Mina Khezrian, Soram Patel, Karissa Johnston, Pramoda Jayasinghe, Lavanya Huria, Mohit Bhutani

**OA4585 Discussion and Q&A**  
All Speakers

Strauss 2

Session 430

09:30 - 10:45

**Oral presentation: Pulmonary function testing: it's more than just spirometry!****Disease(s)** : Interstitial lung diseases Airway diseases**Method(s)** : Pulmonary function testing Physiology General respiratory patient care Imaging Transplantation**Tag(s)** : Clinical**Chairs** : Rachel Ong-Salvador (Amsterdam, Netherlands), Ben Knox-Brown (Moulton, United Kingdom)

**OA4586 Bronchodilator Response (BDR): Comparison of the ERS/ATS Technical Standard on Interpretative Strategies for Routine Lung Function with BTS/NICE Disease-Specific Guidelines**  
Ian Cliff (Stoke-on-Trent, United Kingdom), Charlotte Hurst, Naveed Mustfa, Kanendran Rajalingam, Helen Stone



- OA4587** **Bronchodilator reversibility increases in people with cystic fibrosis after initiation of Kaftrio**  
Saeeda Lone - Latif (Amsterdam, Netherlands), Paulien Linders, Els Weersink, Josje Altenburg
- 
- OA4588** **Using % predicted change during bronchial challenge testing to remove bias**  
James Dean (Holmes Chapel, United Kingdom), Dave Singh
- 
- OA4589** **Comparison of lung function, functional capacity and performance status after lung transplantation with and without EVLP: a retrospective pilot study**  
Anouk van t Veer ('s- Gravendeel, Netherlands), Monique Wapenaar, Ton Provily, Maartje Horstman, Merel Hellemons, Leonard Seghers
- 
- OA4590** **The sensitivity of different lung function metrics to detect airways disease**  
Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Demi Jakymelen, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Paul Hughes, Martin Brook, Josh Astley, Ryan Munro, Smitha Rajaram, Andy Swift, David Capener, Jody Bray, Jimmy Ball, Oliver Rodgers, Bilal Tahir, Madhwesha Rao, Graham Norquay, Nick Weatherley, Leanne Armstrong, Latife Hardaker, Rod Hughes, Jim Wild
- 
- OA4591** **Detection of Idiopathic Pulmonary Fibrosis Disease Progression using Respiratory Oscillometry**  
Joyce Wu (Toronto, Canada), Yushu Zou, Jessica Jia-Ni Xu, Cynthia Nohra, Matthew Binnie, Shane Shapera, Jolene H. Fisher, Micheal Mcinnis, Clodagh M. Ryan, Zoltán Hantos, Chung-Wai Chow
- 
- OA4592** **A physiologist-led home spirometry assessment (PLHSA) facilitates respiratory diagnosis and treatment pathways**  
Megan Robshaw (Gloucester, United Kingdom), Emma Raywood, Helen Parrott
- 
- OA4593** **Deposition and distribution of radiolabeled aerosol in individuals post COVID-19 infection**  
Armele Dornelas De Andrade (Recife (PE), Brazil), Jose Carlos Nobrega Junior, Daiara Xavier, Roberta Cristiane Torres, Simone Cristina Soares Brandão, Magno Formiga, Cyda Reinaux, Daniella Brandão, Shirley Campos, Anna Myrna Jaguaribe De Lima
- 
- OA4594** **The outcomes from introducing continuous laryngoscopy during exertion (CLE) to an exertional dyspnoea cardiopulmonary exercise testing (CPET) service.**  
Maximillian Thomas (Birmingham, United Kingdom), Samuel Wallbanks, Nicola Pargeter, Andy Johnston, Adel H Mansur
- 
- OA4595** **Discussion and Q&A**  
All Speakers

C4

Session 432

10:15 - 11:45

**Endoscopy session: Session 2: Imaging innovations from the bronchoscopy suite**

**Aims :** To focus on optical coherence tomography, confocal laser endomicroscopy, cone beam navigation bronchoscopy and contrast-enhanced ultrasound in order to provide insights into the application and benefits of these imaging innovations; to offer practical guidance for their utilisation in bronchoscopy procedures.

**Disease(s) :** Thoracic oncology

**Method(s) :** Endoscopy and interventional pulmonology

**Tag(s) :** Clinical

**Chairs :** Felix J.F. Herth (Heidelberg, Germany), Amanda Dandanell Juul (Odense S, Denmark)

10:15	<b>Introduction</b> All Speakers	4597
10:20	<b>Polarisation-sensitive optical coherence tomography</b> Peter Noble (Crawley (WA), Australia)	4598
10:35	<b>Cofocal laser endomicroscopy</b> Jouke T. Annema (Amsterdam, Netherlands)	4599
10:50	<b>Cone beam navigation bronchoscopy</b> Erik H.F.M. van der Heijden (Nijmegen, Netherlands)	4600
11:05	<b>Contrast enhanced ultrasound</b> Christian B. Laursen (Odense M, Denmark)	4601
11:20	<b>Discussion and Q&amp;A</b> All Speakers	4602

## C2 Session 433 10:15 - 11:45

Hot topics: The transforming growth factor- $\beta$  superfamily: a treatment target in pulmonary arterial hypertension

**Aims :** To explain the transforming growth factor (TGF)- $\beta$ /bone morphogenetic protein proliferative/apoptotic signalling pathway in pulmonary arterial hypertension (PAH); to describe the current drug development stage including the different monoclonal antibodies targeting the TGF- $\beta$  signalling pathway; to demonstrate the use of molecules belonging to the TGF- $\beta$  signalling pathway as prognostic biomarkers in PAH; to present the results of recent clinical trials using monoclonal antibodies targeting TGF- $\beta$  signalling in PAH and the future treatment algorithm using monoclonal antibodies.

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

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

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational)

**Chairs :** Marc Humbert (Le Kremlin-Bicêtre, France), Vallerie V. McLaughlin (Ann Arbor, United States), Gabor Kovacs (Graz, Austria)

10:15	<b>Understanding the role of the TGF-beta superfamily in the pulmonary circulation</b> Paul Yu (Boston, United States)	4603
10:30	<b>Germline mutations of genes encoding for the TGF-beta superfamily in pulmonary arterial hypertension</b> Christina A. Eichstaedt (Heidelberg, Germany)	4604
10:45	<b>Circulating biomarkers in severe pulmonary arterial hypertension</b> Laurent Savale (Le Kremlin-Bicêtre, France)	4605
11:00	<b>Targeting TGF-beta superfamily in pulmonary arterial hypertension</b> Ioana R Preston (Boston, United States)	4606
11:15	<b>Discussion and Q&amp;A</b> All Speakers	4607

## C5 Session 434 10:15 - 11:45

## Symposium: Why is idiopathic pulmonary fibrosis not so idiopathic?

## Prevention of occupational and environmental hazards and protection of vulnerable individuals with idiopathic pulmonary fibrosis

**Aims :** To present existing data about the risk factors for IPF that are preventable; to explain how prevention of occupational and environmental exposures and protection of vulnerable individuals can help idiopathic pulmonary fibrosis (IPF) management; to discuss how both treatment and prevention may extend the lifespan and improve the quality of life of people with IPF.

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

**Method(s) :** Epidemiology Public health

**Tag(s) :** Clinical, Translational, Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient

**Chairs :** Rafael E. de la Hoz (New York, United States), Michael Kreuter (Mainz, Germany), Orianne Dumas (Villejuif, France)

10:15	<b>Idiopathic pulmonary fibrosis: an overview</b> Gisli Jenkins (London, United Kingdom)	4608
10:30	<b>Progressive pulmonary fibrosis: insights from expert group statements</b> Vincent Cottin (Lyon, France)	4609
10:45	<b>Occupation counts in idiopathic pulmonary fibrosis</b> Sara De Matteis (Milan, Italy)	4610
11:00	<b>Air pollution, poverty and much more</b> Isabella Annesi Maesano (Montpellier, France)	4611
11:15	<b>Which prevention is useful? The latest news for the idiopathic pulmonary fibrosis community: the patient's perspective</b> John Solheim (Sætre, Norway)	4612
11:20	<b>Discussion and Q&amp;A</b> All Speakers	4613

**C1** Session 435 10:15 - 11:45**Symposium: The changing landscape of lung transplantation**

This symposium aims to focus on recent changes in the profile of lung transplant candidates and evolution of post-transplant treatment strategies

**Aims :** To analyse recent evolution of the landscape of lung transplant referral (change in the phenotype of “usual” indications such as cystic fibrosis and idiopathic lung disease due to recent therapeutic improvement, increased referral of older chronic obstructive pulmonary disease patients who have previously undergone lung volume reduction surgery, increased number of comorbid candidates and increased requests for extracorporeal support bridges); to address existing immunosuppressive and future promising strategies for acute and chronic rejection, including cell-based therapies; to address translational issue by analysing new cellular and molecular assays available to help diagnose immune complications (acute and chronic rejection and chronic lung allograft dysfunction phenotyping).

**Disease(s) :** Thoracic oncology

**Method(s) :** Surgery Transplantation

**Tag(s) :** Clinical, Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Pathologist, Scientist (basic, translational), Thoracic surgeon

**Chairs :** Federica Meloni (Pavia (PV), Italy), Dragos Bumbacea (Bucuresti, Romania), Dorina Rama Esendagli (Ankara, Turkey)

10:15	<b>The change in phenotype of lung transplant recipients</b> Merel Hellemons (Rotterdam, Netherlands)	4615
10:30	<b>Innovative diagnostic approach for diagnosis and phenotyping of post-transplant complications</b> bart vanaudenaerde (Leuven, Belgium)	4616
10:45	<b>Immunosuppressants and beyond: new strategies and tailored treatment</b> Peter Jaksch (wien, Austria)	4617
11:00	<b>Is there still room for cell-based therapies?</b> Edward Geissler (Regensburg, Germany)	4618
11:15	<b>Discussion and Q&amp;A</b> All Speakers	4619

**C6** Session 436 10:15 - 11:45**Clinical cases: Lungs on fire: respiratory critical care/sleep and breathing disorders**

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

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

**Tag(s) :** Clinical

**Chairs :** Ignacio Martin-Loeches (Dublin, Ireland), Ana Cysneiros (Lisboa, Portugal), Sophia E. Schiza (Heraklion, Greece)

**Discussants :** Claudia Crimi (Catania (CT), Italy), Christoph Fisser (Regensburg, Germany)

10:15	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: D. Jennings (United Kingdom)</b> Claudia Crimi (Catania (CT), Italy)	4620
10:37	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: S. Wickramasinghe (Sri Lanka)</b> Christoph Fisser (Regensburg, Germany)	4621
10:59	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: I. Paranicova (Slovakia)</b> Claudia Crimi (Catania (CT), Italy)	4622
11:21	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: P. Pujal Montaña (Spain)</b> Christoph Fisser (Regensburg, Germany)	4623

**A2** Session 437 10:15 - 11:45**Mini symposium: The physiology and psychology of complex breathlessness**

This mini-symposium aims to highlight the importance of a multidisciplinary approach for treating patients with complex breathlessness

**Aims :** To address the complexity of breathlessness; to illustrate how pulmonary function testing and pulmonary rehabilitation could help clinicians treat patients with complex breathlessness; to highlight the psychological aspect/trigger that could significantly impact the treatment of patients with complex breathlessness; to present gender differences in the presented topics.

**Disease(s)** : Airway diseases Paediatric respiratory diseases Sleep and breathing disorders**Method(s)** : General respiratory patient care Physiology Pulmonary function testing**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs** : Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Heleen Demeyer (Leuven, Belgium), Andreas Von Leupoldt (Leuven, Belgium)

10:15	<b>Perception of breathlessness</b> Magnus Ekström (Lund, Sweden)	4624
10:30	<b>Implementing a successful rehabilitation programme for patients with chronic lung disease</b> Sally J. Singh (Leicester (Leicestershire), United Kingdom)	4625
10:45	<b>Breathlessness: respiratory mechanics</b> Joost Gerard van den Aardweg (Amsterdam (NH), Netherlands)	4626
11:00	<b>Discussion and Q&amp;A</b> All Speakers	4627

**C3** Session 438 10:15 - 11:45**Symposium: Rethinking (post) tuberculosis prevention and care in the face of major adversities****Aims** : To explain the challenges of managing tuberculosis (TB) in complex situations; to describe the role of artificial intelligence in TB prevention and care; to describe the challenges and solutions for TB prevention and care in complex situations or times of adversity; to describe the challenges and solutions for post-TB lung disease prevention and care in complex situations or times of adversity.**Disease(s)** : Respiratory infections**Method(s)** : General respiratory patient care Public health Pulmonary rehabilitation**Tag(s)** : Clinical, Congress theme: Humans and Machines: getting the balance right**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist**Chairs** : Herman Goossens (Edegem (Antwerp), Belgium), Chiara Premuda (Milano, Italy), Onno Akkerman (Groningen, Netherlands)

10:15	<b>Tuberculosis prevention and care in times of adversity</b> Dennis Falzon (Genève, Switzerland)	4630
10:30	<b>Managing tuberculosis in complex situations</b> Cécile Magis-Escurra (Nijmegen, Netherlands)	4628
10:45	<b>Innovations in tuberculosis prevention and care: artificial intelligence and beyond</b> Helen Stagg (London, United Kingdom)	4629
11:00	<b>Post-tuberculosis lung disease in times of adversity and beyond</b> Marcela Veronica Muñoz Torrico (México D.F, Mexico)	4631
11:15	<b>Discussion and Q&amp;A</b> All Speakers	4632

**Studio** Session 440 10:30 - 11:15**Deep Dive: Vaccination: optimising access and uptake****Aims** : To discuss the implementation of vaccination strategies against respiratory infections, including a focus on patients with chronic respiratory diseases.**Tag(s)** : Clinical**Chairs** : Hilary Pinnock (Edinburgh, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

10:30	<b>Vaccinations to prevent respiratory infections in chronic respiratory patients</b> Jessica Rademacher (Hannover, Germany)	4637
10:50	<b>Panel discussion and Q&amp;A</b> Francesco Blasi (Milan, Italy), Rui Manuel Peixoto Da Costa (Porto, Portugal)	4638

Stolz 1

Session 442

10:40 - 13:00

**Skills workshop: SW14 SW14 - Practical Pulmonary Hypertension - €**

Additional registration is required for this session.

**Aims :** Develop a systematic approach to interpretation of radiological investigations (with a focus on CT) in patients with suspected PH. Gain practical experience in performing and interpreting echocardiography in patients with PH. Develop knowledge and understanding of pathological changes associated with PH. Develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis in patients with suspected PH to be made.

**Disease(s) :** Pulmonary vascular diseases**Chairs :** Anton Vonk Noordegraaf (Amsterdam, Netherlands)

10:40	<b>Radiological assessment of pulmonary hypertension</b> Lilian Meijboom (Amsterdam, Netherlands)	4640
10:40	<b>Pathological assessment of pulmonary hypertension</b> Peter Dorfmueller (Giessen, Germany)	4641
10:40	<b>Echocardiography in pulmonary hypertension</b> Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)	4642
10:40	<b>Clinical assessment of pulmonary hypertension</b> Anton Vonk Noordegraaf (Amsterdam, Netherlands), Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)	4643

A1

Session 443

11:00 - 12:15

**Oral presentation: Clinical and functional aspects in chronic obstructive pulmonary disease****Disease(s) :** Airway diseases**Method(s) :** Epidemiology Pulmonary function testing General respiratory patient care Cell and molecular biology Physiology Transplantation**Tag(s) :** Clinical**Chairs :** Fabio L. M. Ricciardolo (Torino, Italy), Mona Bafadhel (London, United Kingdom)

OA4644	<b>Late Breaking Abstract - Single and multiple N2-washout tests for the diagnosis of bronchiolitis obliterans syndrome after allogeneic stem cell transplantation – a longitudinal study</b> Vera Deborah Sollberger (Riniken, Switzerland), Leander Gonzalez, Vera D. Sollberger, Joerg Halter, B Drexler, R Mathew, Christian Arranto, Werner Strobel, Nora Braschler, Eleni Papakonstantinou, Philipp Latzin, Michael Tamm, Leticia Grize, Daiana Stolz
OA4645	<b>Airspace Dimension Assessment for early detection of lung health in adults born with extremely low birth weight</b> Guihong Cai (Uppsala, Sweden), Barbro Diderholm, Andrei Malinovski, Ourania Vasileiadou, Linda Wallström, Össur Emilsson, Magnus Svartengren
OA4646	<b>Proteomic predictors of mortality in stable COPD</b> César Jessé Enriquez-Rodríguez (Barcelona, Spain), Carme Casadevall, Rosa Faner, Oswaldo Antonio Caguana, Sergi Pascual-Guardia, Ady Castro-Acosta, José Luis López-Campos, Gregorio Peces-Barba, Luis Miguel Seijo, Eduard Monsó, Esther Barreiro, Borja García-Cosío, Diego Rodríguez-Chiaradia, Alvar Agustí, Joaquim Gea, - On Behalf Biomepoc Group
OA4647	<b>Validation of exacerbation history grading by GOLD for predicting future COPD outcomes</b> Daphne Peerlings (Maastricht, Netherlands), Kiki Waeijen-Smit, Rudolf A. Jörres, Henrik Watz, Robert Bals, Tobias Welte, Klaus F. Rabe, Claus F. Vogelmeier, Tim Speicher, Martijn A. Spruit, Sami O. Simons, Sarah Houben-Wilke, Frits M. E. Franssen, Peter Alter
OA4648	<b>Gender-specific aspects of alpha-1-antitrypsin deficiency in relation to lung and liver disease, symptom burden and exacerbations: Data from the EARCO registry</b> Hilal Ersöz (Heidelberg, Germany), María Torres-Durán, Alice Turner, Hanan Tanash, Carlota Rodríguez García, Angelo Guido Corsico, José Luis López-Campos, Marc Miravittles, Christian F. Clarenbach, Kenneth R. Chapman, Jose M <sup>a</sup> Hernández Pérez, Catarina Guimarães, Eva Bartošovská, Timm Greulich, Felix Herth, Franziska C. Trudzinski, Philipp Höger, Arturo Olivares Rivera
OA4649	<b>Patients with PRIS(m) have a high mortality in the longitudinal analysis over a period of 12 years – Results of the BACOP study</b> Sebastian Fähndrich (Freiburg, Germany), Leticia Grize, Maria Pascarella, Kurt Schmidlin, Claudia Berlin, Eleni Eleni Papakonstantinou, Daiana Stolz
OA4650	<b>Validation of COPD etiotypes by AI-text mining of electronic health records</b> Florent Baty (St. Gallen, Switzerland), Claire Dexter, Maria Pascarella, Daiana Stolz, Martin Brutsche



- OA4651 Risk factors of FEV1/FVC decline in COPD patients**  
Na Young Kim (Hwaseong-si, Gyeonggi-do, Republic of Korea), Deog Kyeom Kim, Hyun Woo Lee
- 
- OA4652 From small airways disease to pre-COPD through pulmonary function tests**  
Maria Kipourou (Thermi Thessaloniki, Greece), Pavlos Michailopoulos, Lambros Gkanavias, Christoforos Bikas, Evangelos Ntinapogias, Georgios Spyropoulos, Konstantinos Kaltsas, Konstantinos Kostikas, Konstantinos Katsoulis
- 
- OA4653 Impact of varying lung function thresholds on disease stability in COPD with FF/UMEC/VI: IMPACT post hoc analysis**  
David M. G. Halpin (Exeter, United Kingdom), Surya P. Bhatt, Meilan Han, Marc Miravittles, Chris Compton, Tharishini Mohan, Raj Sharma, Suneal K. Sreedharan, Lee Tombs, Dave Singh
- 
- OA4654 Discussion and Q&A**  
All Speakers

**A3 Session 444 11:00 - 12:15**

**Oral presentation: Assessment of ventilation in awake and sleeping children**

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

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

**Tag(s) :** Clinical

**Chairs :** Nicole Beydon (Paris, France), Jakob Usemann (Basel, Switzerland)

- OA4655 Late Breaking Abstract - Detection of bronchopulmonary dysplasia (BPD) in preterm infants with an artificial neural network (ANN) trained using air flow time series (TS) measured during tidal breathing (Tb)**  
Edgar Delgado-Eckert (Basel, Switzerland), Abdessamad Falhi, Céline Rüttimann, Philipp Latzin, Urs Frey
- 
- OA4656 NATIONAL REGISTRY SYSTEM FOR HOME MECHANICAL VENTILATION SUPPORT IN CHILDREN: FIRST DATA FROM TURKEY**  
Merve Selçuk (Istanbul, Turkey), Neval Metin Cakar, Azer Kılıç Başkan, Fusun Ünal, Gökçen Ünal, Birce Sunman, Hüseyin Arslan, Yeliz Koc, Zeynep Efsan Baser, Harun Mamaç, Sinem Can Oksay, Raziye Atan, Bahar Girgin Dindar, Secahattin Bayav, Suat Savas, Merve Korkmaz, Ebru Kostereli, Hakan Yazgan, Ali Ozdemir, Erdem Basaran, Gökçen Kartal Öztürk, Ali Ersoy, Beste Özsezen, Aysen Basaran, Özlem Keskin, Tugba Ramaslı Gursoy, Mina Hizal, Gizem Özcan, Almala Pinar Ergenekon, Ayse Ayzit Kilinc, Fazilet Karakoc, Bulent Karadag, Haluk Cokugras, Sevgi Pekcan, Tuğba Sismanlar Eyuboglu, Ayse Tana Aslan, Saniye Girit, Figen Gulen, Nazan Cobanoglu, Velat Sen, Yakup Canitez, Zeynep Seda Uyan, Erkan Cakir, Nilay Bas Ikizoglu, Melih Hangul, Güzin Cinel, Nagehan Emiralioğlu, Ela Erdem Eralp, Sedat Öktem, Yasemin Gökdemir
- 
- OA4657 Obstructive sleep apnea syndrome during the first year of life in Robin sequence RS: a prospective and longitudinal polysomnography PSG study**  
Lauriane Coutier (Bron, France), Romane Gyapay, Brigitte Fauroux, Aurore Guyon, Lucie Griffon, Sonia Ayari, Sébastien Blanc, Julie Chauvel, Isabelle James, Robin Pouyau, Marine Thieux, Véronique Abadie, Patricia Franco
- 
- OA4658 Pediatric obstructive sleep apnea diagnosis by respiratory polygraphy including hypopneas associated with autonomic microarousals**  
Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France), Cyril Schweitzer, Sofia Da Mota, Aurore Guyon, Laurianne Coutier, Patricia Franco
- 
- OA4659 Treatment-emergent central sleep apnea during high flow nasal cannula treatment in infants**  
Malin Lovisa Rohdin (Stockholm, Sweden), Imen Tayachi, Emma Caffrey Osvald
- 
- OA4660 Effect of CPAP on respiratory mechanics in obese children.**  
Dorottya Antics (Budapest, Hungary), Eszter Muzsly, Zsüliet Bojtár, János Benjámín Hérák, Dóra Krikovszky, Lajos Kovács, Szabolcs Baglyas, Attila J. Szabó, Zoltán Hantos, Andrea Luczay, Dorottya Czövek
- 
- OA4661 Closing volume by forced oscillations and severity of lung disease in young CF patients**  
Sotirios Fouzas (Patras, Greece), Christos Kogias, Athina Sopiadou, Evangelia Angeli, Olga Lagiou, Petrina Vantsi, Aris Bertzouanis, Elisavet-Anna Chrysochoou, Elpis Hatziaigorou
- 
- OA4662 Optimized algorithm for speed-of-sound-based infant sulfur hexafluoride multiple-breath washout measurements**  
Florian Wyler (Bern, Switzerland), Thuvarakha Manogaran, Nathalie Monney, Yasmin Salem, Ruth Steinberg, Anne-Christianne Kentgens, Carvern Jacobs, Shaakira Chaya, Carla Rebeca Da Silva Sena, Noëmi Künstle, Olga Gorlanova, Sophie Yammine, Diane Gray, Urs Frey, Marc-Alexander Oestreich, Philipp Latzin
- 
- OA4663 Utility of cardiopulmonary exercise testing in children and adolescents with non-cystic fibrosis bronchiectasis and primary ciliary dyskinesia.**  
Colleen Carden (Glasgow (Glasgow), United Kingdom), Rebecca Lennon, Paul Burns, Ross Langley, Philip Davies

**OA4664** **129Xe-MRI to assess regional airway clearance in children with primary ciliary dyskinesia**  
Lynne Schofield (Leeds, United Kingdom), Alberto Biancardi, Laurie Smith, Helen Marshall, David Hughes, David Capener, Jody Bray, Shagufta Fazal, Anna Zalewska, Guilhem Collier, Graham Norquay, Ryan Munro, Olly Rodgers, Leanne Armstrong, Jen Rodgers, Susi Shanks, Daniel Hind, Eduardo Moya, Evie Robson, Anna Shawcross, Noreen West, Sally Singh, Jim Wild

**OA4665** **Discussion and Q&A**  
All Speakers

### Lehar 3 Session 445 11:00 - 12:15

**Oral presentation: Tobacco smoking and the respiratory system: a well-known dangerous liaison**

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

**Method(s) :** General respiratory patient care Public health Pulmonary function testing Cell and molecular biology Epidemiology Pulmonary rehabilitation

**Tag(s) :** Clinical, Translational

**Chairs :** Filippos T. Filippidis (Rickmansworth, United Kingdom), Stamatoula Tsikrika (Athens, Greece)

**OA4666** **Late Breaking Abstract - The interplay of environmental tobacco smoke exposure and physical activity on sleep-disordered breathing in school-aged children**  
Siyu Dai (Hangzhou, China), Lingxiao Ye, Dingbo Shu, Fanjing Meng, Xiaochen Liu, Xiangyue Xiao, Le Wang, Jianping Ding

**OA4667** **Investigating the effect of e-cigarettes on alveolar epithelial cells using a novel in vitro aerosol exposure device**  
Marzieh Aghababaie (Auckland, New Zealand), Sue Mcglashan, Vinod Suresh, Kelly Burrowes

**OA4668** **National Quality Improvement programme for Tobacco Dependency Treatment pathways in UK hospitals**  
Robyn Fletcher (Nottingham, United Kingdom), Christina Moll, Miguel Souto, Alexander Hammant, Sanjay Agrawal

**OA4669** **Oxidative stress and antioxidant capacity in smokers undergoing a smoking cessation program: a comparison between COPD and non-COPD patients.**  
Aldo Pezzuto (Roma, Italy), Marina Borro, Alberto Ricci, Alessia Pacini, Francesca Lofoco, Ilenia Fiore, Andrea Favari, Martina Ubaldi, Teresa Palermo, Noemi Calabro', Gerardo Salerno

**OA4670** **The effect of immediate appointment scheduling on the rate of access to smoking cessation clinics for patients with chronic airway disease: Preliminary results of a randomized trial**  
Dilek Karadoğan (Rize, Turkey), Tahsin Gökhan Telatar, Ilknur Kaya, Siahmet Atlı, Neslihan Köse, Feride Marım, Merve Yumrukuz Şenel, Aycan Yüksel, Burcu Yalçın, Ökkeş Gültekin, Merve Erçelik, Metin Akgün

**OA4672** **IL-33's role in NET formation and neutrophil-mediated inflammation in smoke-exposed asthma through autophagy**  
Jing Liu (Guangzhou, China), Peizhi Tao, Beiting Su, Li Zheng, Yusen Lin, Xiaoling Zou, Hailing Yang, Wenbin Wu, Tiantuo Zhang, Hongtao Li

**OA4673** **E-cigarette use and subsequent asthma outcomes in patients with current asthma: Findings from the National Asthma Survey**  
Min Li (Kunming, China), Wenye Zhu, Shibo Sun, Zhuang Luo

**OA4674** **A scenario-based modeling study to project the future burden of COPD in Western Europe accounting for air pollution, tobacco smoking, and e-cigarette vaping**  
Elroy Boers (Calgary, Canada), Angier Allen, Adam Benjafeld, Laura Crotty Alexander, Atul Malhotra, Meredith Barrett

**OA4675** **The importance of age of smoking debut and packyears on development of respiratory symptoms and asthma in young adulthood**  
Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Eva Rönmark

**OA4676** **Discussion and Q&A**  
All Speakers

### Strauss 1 Session 446 11:00 - 12:15

**Oral presentation: Extending from lung cancer screening to diagnostics and further**

**Disease(s) :** Thoracic oncology

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

**Tag(s) :** Clinical

**Chairs :** Georgia Hardavella (Athens, Greece), João Pedro Fernandes Cruz Oliveira Pereira (Coimbra, Portugal)

- OA4677 Blood biomarker-aided cancer discrimination of screen-detected small lung nodule: The Cancer Signature Ensemble**  
Seung Hun Jang (Anyang, Republic of Korea), Ji Young Park, Young-Chul Kim, Hyung-Joo Oh, Young Sik Park, Jaeyoung Cho, Yeon Wook Kim, Shin Yup Lee, Jung-Ki Yoon, Seongmun Jeong, Hwang-Phill Kim, Su Yeon Kim, Tae-You Kim
- OA4678 Characteristics of lung nodules detected by low-dose CT scan: results from the French lung cancer screening study DEP KP80**  
Nicolas Storme (FLUY, France), Mariane Auquier, Valerie Petigny, Sebastien Couraud, Vincent Jounieaux, Olivier Leleu
- OA4679 Two years' experience with the Czech population pilot programme for lung cancer early detection**  
Martina Koziar Vasakova (Praha 10, Czech Republic), Karel Hejduk, Ivana Cierna-Peterova, Hynek Mirka, Bohumil Seifert, Jana Skrickova, Vladimir Koblizek, Alena Mensikova, Marcela Koudelkova, Renata Chloupkova, Ondrej Ngo, Nikola Stourac, Ondrej Majek
- OA4680 Forceps and cryobiopsy of peripheral pulmonary lesions with 1.1 or 1.7 mm cryoprobes: An open-label, randomised trial**  
Thomas Gaisl (Zürich, Switzerland), Carolin Steinack, Jan Rüschoff, Maurice Roeder, Silvan Vesenbeckh, Silvia Ulrich, Martina Haberecker, Miriam Nowack, Malcolm Kohler, Daniel Franzen
- OA4681 Diagnostic yield of ssRAB combined with CBCT imaging in comparison with CBCT-based navigation bronchoscopy using a passive catheter-based approach: preliminary results**  
Aniek Bruinen (Nijmegen, Netherlands), Erik Van Der Heijden, Roel Verhoeven
- OA4682 Machine Learning Computational Model to predict Lung Cancer Using Electronic Medical Records**  
Dekel Shlomi (Tel-Aviv, Israel), Matanel Levi, Shiri Kushnir, Noga Yossef, Assaf Hoogi, Teddy Lazebnik
- OA4683 Two-year survival and disease recurrence after endosonography with or without confirmatory mediastinoscopy for resectable lung cancer (MEDIASTrial)**  
Jelle Bousema (Breda, Netherlands), Louisa Spaans, Marcel Dijkgraaf, Erik Van Der Heijden, Ad Verhagen, Jouke Annema, Frank Van Den Broek
- OA4684 The importance of incidental lung cancer nodules diagnosed in a population that does not meet the USPSTF criteria**  
Li Yang (Chongqing, China), Minjin Yang, Min Ao, Weiyi Li, Ao Liu, Jinfeng Chen
- OA4685 Lung Cancer Screening in People With COPD: The Pamplona-IELCAP Experience**  
Maria Navamuel Andueza (Pamplona, Spain), Ana Belén Alcaide, Arantza Campo, Javier Zulueta, Gorka Bastarrika, Ana Ezponda, Miguel Mesa, Diego Murillo, María Rodríguez, Marimar Ocón, Carmen Felgueroso, Jesús Pueyo, María Dolores Lozano, Luis Montuenga, Juan Bertó, Maria Teresa Perez-Warnisher, Isberling Madeleine Di Frisco, Luis Seijo, Juan Pablo De Torres
- OA4686 Late Breaking Abstract - Identification and Significance of Single Nucleotide Variants in Large Cell Neuroendocrine Carcinoma of the Lung**  
Ilona Tietzova (Prague, Czech Republic), Marie Korabecna, Jan Geryk
- OA4687 Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 447

11:00 - 12:15

## Oral presentation: Emerging evidence in paediatric bronchology

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

Method(s) : Endoscopy and interventional pulmonology Epidemiology Pulmonary function testing Surgery General respiratory patient care Imaging Transplantation

Tag(s) : Clinical

Chairs : Fabio Midulla (Roma (RM), Italy), Sergio Ghirardo (Trieste, Italy)

- OA4688 Phase resolved functional lung (PREFUL) MRI detects ventilation and perfusion deficits in paediatric lung transplant recipients**  
Julia Carlens (Hannover, Germany), Sylvia Nyilas, Andreas Voskrebenezv, Nicolaus Schwerk, Florian Singer, Fabio Ius, Diane Renz, Jens Vogel-Claussen
- OA4689 Feasibility of Assessing the abnormal Paediatric Airway using Rotational Optical Coherence Tomography – The OCT Air Study**  
Anne Katrine Poulsen (Aarhus, Denmark), Signe Thim, \* Oct Air Research Group, Sune Rubak

	<b>Primary lung tumors in children: a national retrospective study on pulmonary outcome.</b> Flavie Godard (Caen, France), Aurore Haffreingue, Frédéric Hameury, Sabine Sarnacki, Erik Hervieux, Arnaud Bonnard, Daniel Orbach, Brice Fresneau, Cécile Vérité, Jérémie Rouger, Cédric Agossah, Jacques Brouard, Olivier Abbo, Frédéric Millot, Philippe Buisson, Nicolas Kalfa, Hélène Sudour, Marion Gambart, Nicolas André, Jean-Louis Lemelle, Ludovic Mansuy, Aude Marie-Cardine, Rémi Besson, Hubert Lardy, Julien Lejeune, Emmanuel Sapin, Alain Kandem Simo, Florent Guérin, Christian Piolat, Thierry Merrot, François Varlet, Estelle Thebaud, Marie Auger Hunault, Guillaume Podevin, Claire Briandet, Marc-David Leclair, Edourd Habonimana, Yves Reguerre, Coralie Mallebranche, Julien Rod, Fanny Delehayé
OA4690	
OA4691	<b>A systematic review of transbronchial lung cryobiopsy for pediatric interstitial lung diseases</b> Vikram Damaraju (Guntur, India), Sravanthi Vutukuru, Gayathri Gandrakota, Ganga Ravindra Adimulam
OA4692	<b>The order does not matter! – A randomized cross-over analysis of the mutual influence of Multiple Breath Washout and Spirometry in children with Cystic Fibrosis and Primary Ciliary Dyskinesia</b> Anne Schlegendal (Bochum, Germany), Anna Schoop, Robin Denz, Christoph Maier, Folke Brinkmann, Thomas Lücke
OA4693	<b>Evaluation of patients with Primary Ciliary Dyskinesia in terms of humoral immunodeficiency</b> Halime Nayır Büyüksahin (Ankara, Turkey), Nagehan Emiralioglu, Canan Caka, Saliha Esenboğa, Deniz Çağdaş Ayvaz, Raziye Atan, Ismail Guzelkas, Birce Sunman, Didem Alboga, Meltem Akgul Erdal, Ipek Demir, Burcu Capraz, Ebru Yalcın, Deniz Dogru, Nural Kiper, Ilhan Tezcan, Ugur Ozcelik
OA4694	<b>School-entry health assessment of children previously diagnosed with neuroendocrine hyperplasia of infancy. CRC chILD-EU</b> Honorata Marczak (Warszawa, Poland), Magdalena Grochowska, Katarzyna Solarska-Rydz, Katarzyna Krenke
OA4695	<b>The diagnostic utility of BAL in children with interstitial lung disease</b> Shaakira Chaya (Mokopane, South Africa), Katharina Schütz, Hannah Kaiser, Hanna Wennigsen-Heipke, Florian Länger, Julia Carlens, Martin Wetzke, Christoph Happel, Schwerek Nicolaus
OA4696	<b>Immunological status in patients with neuroendocrine cell hyperplasia of infancy. CRC chILD-EU</b> Katarzyna Solarska-Rydz (Warsaw, Poland), Honorata Marczak, Magdalena Grochowska, Katarzyna Krenke
OA4697	<b>Discussion and Q&amp;A</b> All Speakers

## Stolz 2 Session 448 11:00 - 13:40

### Skills workshop: SW17 SW17 - Thoracic ultrasound basic principles - €

Additional registration is required for this session.

**Aims :** To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

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

**Chairs :** Najib M. Rahman (ABINGDON, United Kingdom)

11:00	<b>Introduction</b> Najib M. Rahman (ABINGDON, United Kingdom)	4698
11:20	<b>Normal Thoracic Cavity</b> Morten Bendixen (Odense C, Denmark), Silvia Mongodi (Pavia, Italy)	4699
11:20	<b>Pleural effusion and / or pleural thickening</b> Pia Iben Pietersen (Odense C, Denmark), Giovanni Volpicelli (Torino (TO), Italy)	4700
11:20	<b>Case studies</b> Radhika Banka (Mumbai (Maharashtra), India)	4701
11:20	<b>Guided interventions</b> Dinesh Addala (Oxford, United Kingdom), Gilles Mangiapan (Creteil, France)	4702

## Studio Session 449 11:30 - 12:15

### Congress theme: How will generative artificial intelligence support our future practice? Ask AMÉCA, one of the most advanced humanoid robots in the world

**Aims :** To encourage audiences to explore the potential benefits and risks of integrating generative artificial intelligence (AI) into respiratory healthcare; to demonstrate application on a showcase how generative AI has been/can be utilized in respiratory healthcare; to facilitate discussion and to promote dialogue among presenters, audience and AI about the advantages and disadvantages of adopting generative AI in their professional practices and self-management; to encourage reflection and to foster critical thinking regarding the social implications of incorporating Generative AI into respiratory healthcare.

**Disease(s) :** Airway diseases Interstitial lung diseases Respiratory infections**Method(s) :** General respiratory patient care Palliative care Public health**Tag(s) :** Congress theme: Humans and Machines: getting the balance right**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Scientist (basic, translational), Thoracic oncologist, Journalist**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

11:30	<b>Welcome</b> Hilary Pinnock (Edinburgh, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)	4703
11:35	<b>Introduction</b> Io Hui (Edinburgh (Edinburgh), United Kingdom)	4704
11:40	<b>Ask AMECA: patient and clinician representatives</b> Richard Costello (Dublin 9, Ireland), Kjeld Hansen (Oslo, Norway)	4705
11:50	<b>Ask AMECA: live questions from the audience</b> Io Hui (Edinburgh (Edinburgh), United Kingdom), Hilary Pinnock (Edinburgh, United Kingdom)	4706
11:55	<b>Panel discussion</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Brian McKinstry (Edinburgh, United Kingdom), Ingo Keller (Edinburgh, United Kingdom)	4707
12:10	<b>Closing remarks</b> Hilary Pinnock (Edinburgh, United Kingdom)	4708

**PS-1** Session 458 12:30 - 14:00**Poster session: Clinical problems in respiratory medicine II****Disease(s) :** Interstitial lung diseases Respiratory critical care Airway diseases Thoracic oncology Pulmonary vascular diseases**Method(s) :** General respiratory patient care Respiratory intensive care Endoscopy and interventional pulmonology Epidemiology Physiology Pulmonary function testing Public health Imaging Cell and molecular biology**Chairs :** Emad Eldin Ibrahim (Alexandria, Egypt), Ranjit Kumar Singh (Preston, United Kingdom)

PA4742	<b>Pulmonary manifestations of antiphospholipid syndrome: a retrospective analysis of 121 patients</b> Biljana Lazovic (Beograd, Republic of Serbia), Ljudmila Stojanovic, Milos Filipovic
PA4743	<b>Suboptimal response to biologics in severe asthma patients with humoral immunodeficiencies</b> Angelica Tiotiu Cepuc (Brussels, Belgium)
PA4744	<b>Interstitial lung disease: performance of neutrophil-lymphocyte ratio in predicting progression</b> Nourchene Khalfallah (Rades, Tunisia), Haifa Zaibi, Hend Ourtani, Emna Ben Jemai, Jihen Ben Ammar, Hichem Aouina
PA4745	<b>Necrostatin-1 can inhibit the necroptosis and improve diaphragm function in the sepsis mice sepsis by cecal ligation and puncture</b> Xin Fu (Chengdu, China), Qian Xu, Lietao Wang, Qin Wu
PA4746	<b>Reducing the environmental impact of asthma and its treatment: findings from the SENTINEL pilot site</b> Michael Crooks (East Riding of Yorkshire, United Kingdom), Lukas Pitel, Helena Cummings, Chao Huang, John Turgoose, Judith Cohen, Mike Watt, Veishal Raja Gopal, Tamsin Morris, Yang Xu
PA4747	<b>Mepolizumab is not inferior to omalizumab, improving asthma control in severe allergic and eosinophilic asthma, a randomised, blinded, non-inferiority trial.</b> Peter Wark (Pahran (Victoria), Australia), Lorena Rodrigues Sabino, Erin Nolan, Peter Gibson, Vanessa McDonald, John Upham, Elaine Yap, Elizabeth Holliday
PA4748	<b>Asthma, gestational diabetes mellitus and adverse perinatal outcomes: an Australian population-based analysis</b> Vanessa E. Murphy (Callaghan, Australia), Soriah Harvey, Jason Dizon, Elizabeth Holliday, Natasha Weaver, Kimberly Barrass, Ashley Calaco, Jin Xiang Hong, Katherine Leverett, Bronwyn Brew, Olivia Tierney, Leigh Kinsman, Craig Pennell, Vanessa McDonald, Peter Gibson, Megan Jensen
PA4750	<b>Evaluation of normal pre-bronchodilator FEV1/VCMax in the context of significant bronchodilator responsiveness</b> Dominic Evans (York, United Kingdom), Muhammad Khan, Calvin Apen
PA4751	<b>Frequency and severity of asthma in patients with hiatal hernia</b> Michel Abou Khalil (beirut, Lebanon), Khalil Hamadeh, Mario Fakhry, Elissa Chebly, Georges Dabar, Carine Harmouche, Bassem Habr, Antoine El Kik, Moussa Riachy, Hind Eid, Zeina Aoun Bacha



- PA4752** **Efficacy of dupilumab in patient with hypereosinophilic syndrome and asthma non-responsive to anti-IL5 and anti-IL5 $\alpha$  treatment.**  
Dominika Ochab-Krupnik (Kielce, Poland), Piotr Lacwik, Anna Mościcka, Bartosz Chruściel, Katarzyna Barwinek-Grajek, Youssef Sleiman, Cezary Palczyński
- PA4753** **Differences in the progression among mild, moderate and severe pulmonary fibrosis on HRCT scan in Usual Interstitial Pneumonia (UIP) cohort in the United Arab Emirates (UAE)**  
Khaled Saleh (Abu Dhabi, United Arab Emirates), Samiuddin Mohammed, Govinda S. Bodi, Hosam Alazazzi, Stuti Mull, Zaina Khan, Shayan Khan, Jihad Mallat
- PA4754** **Prognostic role of novel inflammatory biomarkers in patients with chronic obstructive pulmonary disease with metabolic syndrome**  
Jamol Uzokov (Tashkent, Uzbekistan), Anis Alyavi, Bakhromkhon Alyavi, Akbar Abdullaev
- PA4755** **Childhood asthma risk prediction - clinician judgement versus Pediatric Asthma Risk Score as a clinical decision support tool**  
Arthur Owora (Indianapolis, United States), Robert Tepper, Nadia Krupp, Kirsten Kloepper, Oladipupo Ogunbekun, Yash Shah, Bowen Jiang, Colin Rogerson, Eneida Mendonca, Randall Grout, William Bennett, Benjamin Gaston
- PA4756** **The efficacy and safety of osimertinib in patients with advanced EGFR-mutated NSCLC: a systematic review and meta-analysis of randomized controlled trials**  
Xiumei Tang (Chengdu, China), Weimin Li
- PA4757** **Correlation of functional data with diaphragm measurements evaluated by ultrasound in patients with Interstitial Lung Disease**  
Aysegül Sahin (eskişehir, Turkey), Huseyin Yildirim, Fusun Alatas, Senay Yılmaz, Guntulu Ak, Muzaffer Metintas
- PA4758** **Assessment of osteoporosis and fracture risk in people with interstitial lung disease, can we do better?**  
Laura Chapman (London, United Kingdom), Gráinne D'Ancona, Amaan Ali, Alison Wright, Jessica Clements
- PA4759** **Clinical utility of metagenomic next-generation sequencing negative results in corticosteroid-responsive diffuse parenchymal lung diseases**  
Wenkui Sun (Nanjing, China), Qian Qian, Chuwei Jing, Yuchen Ding, Ji Zhou
- PA4760** **Risk factors for respiratory relapses in patients with EGPA**  
Justyna Fijolek (Warszawa, Poland), Dariusz Gawryluk, Paweł Bujnowski, Elżbieta Wiatr
- PA4761** **Granulomatous inflammation in EBUS-FNA negatively predicts malignant nodal involvement in patients with co-existing past or present malignancy.**  
Ishitha Gunadala (STOCKPORT, United Kingdom), Antonio Paiva-Correia

PS-10

Session 459

12:30 - 14:00

## Poster session: Clinical aspects in chronic airway diseases

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

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

Tag(s) : Clinical

Chairs : Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain), Christer Janson (Uppsala, Sweden)

- PA4762** **Domiciliary nasal high flow therapy for breathlessness; chronic obstructive pulmonary disease (COPD)**  
Natasha Smallwood (Melbourne (VIC), Australia), Amy Pascoe, Catherine Buchan, Aaron Wong, David Currow, Brian Le
- PA4763** **Investigating the important factors influencing long-term doxycycline responsiveness in COPD**  
Debkanya Dey (Kolkata (West Bengal), India), Sudipto Saha, Rajat Banerjee, Parthasarathi Bhattacharyya
- PA4764** **Inter-patient variability of inhaled medication lung deposition using Functional Respiratory Imaging (FRI)**  
Hosein Sadafi (Kontich, Belgium), Navid Monshi Tousi, Jan De Backer
- PA4765** **Measures of lung function and inflammation in patients hospitalised with severe asthma attacks and 2 weeks later**  
Mouaid Aljehani (Nottingham, United Kingdom), Tim Harrison, Matthew Martin
- PA4766** **Bronchiectasis in severe asthma: clinical and inflammatory response to biologic therapy.**  
Alice Villa (verona, Italy), Elide Felici, Andrea Mastrototaro, Ernesto Crisafulli, Gianenrico Senna, Marco Caminati

PA4767	<b>"The earlier the better", evolution of Pulmonary Function Tests (PFT) in severe asthma patients treated with Benralizumab after two years.</b> Pablo Franco Suárez (León, Spain), Elizabeth De Freitas Gonzalez, Yanira Chuquimia Mendoza, Elena Martin Gallego, Brenda Lucia Romero Argüello, Andrea Pérez-Álvarez, Laura Sierra Herranz, Javier Juan Garcia, Silvia Fernandez Huerga, Luis Carazo Fernandez
PA4768	<b>Mucus dispersal by Dithiothreitol (DTT) reduces ciliary dyskinesia</b> Anna Straatman-Iwanowska (Leicester, United Kingdom), Maria Khan, Neeta Kulkarni, Gwyneth Williams, Christopher O'Callaghan, Robert Hirst
PA4769	<b>Management of patients with confirmed large airway collapse</b> Rachel Burton (Liverpool, United Kingdom), Calum Heslop, Fred Fyles, Rebecca Nightingale, Ailis Walsh, Hassan Burhan
PA4770	<b>Efficacy of inhaled corticosteroid and bronchodilator in patients with persistent respiratory symptoms post COVID-19 infection: a retrospective analysis</b> Shih-En Tang (Taipei, Taiwan), Emily Yushu Wang, Shu-Yu Wu, Wen-In Wu, Chung-Kan Peng, Chin-Mao Hung, Kun-Lun Huang Huang, Chia-Hsin Liu
PA4771	<b>Comparison of effectiveness of acetylcysteine and 3% hypertonic saline inhalation in patients with COPD</b> Dmytro Dobrianskyi (Kyiv, Ukraine), Galyna Gumeniuk, Nina Kuzmenko, Oleh Iaremenko, Dmytro Dobrianskiy
PA4772	<b>The societal cost of asthma among young adults in Sweden – a register-based study</b> Alma Roving (København NV, Denmark), Richard Ssegonja, Christer Janson, Anders Løkke, Rikke Ibsen, Ole Hilberg, Vibeke Backer, Charlotte Suppli Ulrik, Ulla Møller Weinreich, Kjell Erik Julius Håkansson
PA4773	<b>Factors affecting asthma control in pregnant women with asthma.</b> Kaleem Toori (Rawalpindi, Pakistan), Muhammad Arsalan Qureshi
PA4774	<b>Respiratory clinicians' attitudes to offering 'rescue packs' to patients discharged after COPD exacerbation</b> John R Hurst (London, United Kingdom), Karolina Kuberska, Graham Martin, Mona Bafadhel
PA4775	<b>Social determinants of health in clinical trials of long-term oral antibiotics in COPD: a systematic review</b> Natasha Smallwood (Melbourne (VIC), Australia), Zac Irwin, Amy Pascoe, Harrison Birch, Meghan Owens-Reed
PA4776	<b>Evaluation of the association between nutritional status and socioeconomic factor with lung function in PCD Patients in the UK</b> Ran An (London, United Kingdom), Duncan Alastair, Kahai Rasleen
PA4777	<b>Reduced tracheal stenosing effect of nintedanib in a patient with scarred posttraumatic tracheal stenosis and airflow limitation</b> Stefanie Klampfleitner (München, Germany), Andreas Fertl, Ositha Prinz, Martin Doerfler-Schalm, Dieter Munker, Markus Henke
PA4778	<b>Efficacy and safety of axatilimab at 3 different doses in patients with chronic graft-versus-host disease (cGVHD) and related bronchiolitis obliterans syndrome (BOS): results of a pivotal phase 2 study</b> Amandeep Salhotra (Duarte, United States), Zachariah Defilipp, Mehdi Hamadani, Jose Antonio Perez-Simon, Jennifer White, Emma Nicholson, Shuyuan Lou, Timothy O'Toole, Peter Ordentlich, Vedran Radojicic, Carrie Kitko, Daniel Wolff
PA4779	<b>Late Breaking Abstract - Clinical efficacy of Tezepelumab in pre-selected non-Type 2 asthma patients</b> Timothy Chin-See-Chong (Rotterdam, Netherlands), J.P.M Van Der Valk, J.A Layhadi, M.H Shamji, J.H. Kappen
PA4780	<b>FASE 2 - CPHG: Initial findings of an observational study of patients with severe asthma treated in French non-academic hospitals.</b> Laurent Portel (Libourne Cedex, France), Wenda Gaspard, Cyril Maurer, Cecilia Nocent, Jean-Philippe Oster, Camille Vandeveldel, Chantal Raheison-Semjen, Marc Humbert, Hugues Morel
PA4781	<b>Managing Small Airway Disease in patients with severe asthma: transitioning from the "Silent Zone" to achieving "Quiet Asthma"</b> Francesca Montagnolo (Bari, Italy), Vitaliano Nicola Quaranta, Silvano Dragonieri, Andrea Portacci, Enrico Buonamico, Ilaria Iorillo, Ernesto Lulaj, Leonardo Maselli, Alessio Marinelli, Flogerta Sana, Giovanni Dalena, Alberto Carrassi, Marco Antonio Patruno, Giovanna Elisiana Carpagano

PS-11

Session 460

12:30 - 14:00

Poster session: Emerging new clinical therapy for chronic obstructive pulmonary disease

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical, Translational

Chairs : Bernardino Alcazar Navarrete (Cájar, Spain), Lies Lahousse (Ghent, Belgium)

- PA4782 Dupilumab efficacy in patients with COPD and type 2 inflammation irrespective of mortality risk score**  
Claus Vogelmeier (Marburg, Germany), Klaus F. Rabe, Surya P. Bhatt, Nicola A. Hanania, Mona Bafadhel, Stephanie A. Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai
- PA4783 Mepolizumab response in patients with COPD and an eosinophilic phenotype with/without chronic bronchitis (CB): A METREX/METREO post hoc analysis**  
Claus Vogelmeier (Marburg, Germany), Daiana Stolz, Nicolas Roche, Meredith C. Mc Cormack, Robert Chan, Stefanie Kolterer, Bhabita Mayer, Alberto Papi
- PA4784 Dupilumab improves quality of life in non-exacerbators with moderate-to-severe COPD and type 2 inflammation: phase 3 BOREAS trial**  
Stephanie Christenson (San Francisco, United States), Klaus F. Rabe, Claus F. Vogelmeier, Surya P. Bhatt, Nicola A. Hanania, Mona Bafadhel, Alberto Papi, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai
- PA4785 Dupilumab improves lung function in non-exacerbators with moderate-to-severe COPD with type 2 inflammation in phase 3 BOREAS trial**  
ashish bansal (Thornwood, United States), Klaus F. Rabe, Claus F. Vogelmeier, Surya P. Bhatt, Nicola A. Hanania, Mona Bafadhel, Stephanie A. Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Lacey B. Robinson, Raolat M. Abdulai
- PA4786 Dupilumab improves respiratory symptoms in patients with moderate-to-severe COPD with type 2 inflammation in phase 3 BOREAS trial**  
Mona Bafadhel (London, United Kingdom), Alberto Papi, Surya P. Bhatt, Klaus F. Rabe, Nicola A. Hanania, Claus F. Vogelmeier, Stephanie A. Christenson, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai
- PA4787 Dupilumab efficacy and safety in patients with moderate-to-severe COPD with type 2 inflammation: pooled analysis of BOREAS and NOTUS**  
Surya Bhatt (Birmingham, United States), Klaus F. Rabe, Nicola Hanania, Claus F Vogelmeier, Mona Bafadhel, Stephanie Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Bolanle Akinlade, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Raolat M Abdulai, Lacey B Robinson
- PA4788 Dupilumab responder types and predicting factors in patients with type 2 severe asthma: a real-world observational study**  
Lotte Bult (Rotterdam, Netherlands), J.C Thelen, J.C.C.M. In 't Veen, G.J. Braunstahl
- PA4789 Clinical trial design of biologic therapies in COPD: MATINEE study of mepolizumab**  
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), David J. Jackson, Stephanie Korn, Camille Taillé, Karen Miller, Dalal Mounceimne, Jeff Min, Robert Chan, Stefanie Kolterer, Bhabita Mayer, Gerard J. Criner
- PA4790 Effect of Benralizumab treatment related immune modulation on COPD airway microbiome**  
Koirobi Haldar (leicester, United Kingdom), Vijay Mistry, Corrine Hamblet, Maria Jison, Christopher Mccrae, Christopher E. Brightling
- PA4791 A Delphi Consensus Project to Capture Experts' Opinion on the Position of Triple Therapies in COPD: Why, When and to Whom**  
Andriana Papaioannou (Vrilissia (Athens), Greece), Stelios Loukides, Theodoros Vassilakopoulos, Nikolaos Tzanakis, Konstantinos Kostikas, Georgios Hillas
- PA4792 The TRITRIAL study: CAT change sub-analysis according to number of COPD exacerbations.**  
Francesco Macagno (Roma (RM), Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Lorenzo Ciambellotti, Maria D'Amato, Ulrica Scaffidi Argentina, Eleonora Ingrassia, Alessio Piraino
- PA4793 Effect of 5 years of treatment with mucoactive drugs on COPD exacerbations in the Czech Republic: a real-life study**  
Jaromir Zatloukal (Olomouc, Czech Republic), Clive Page, Kristian Brat, Michal Svoboda, Eva Voláková, Vladimír Koblížek
- PA4794 Prospective study of association between step-up of inhaled maintenance therapy and CAT and mMRC scores in patients with stable COPD**  
Fen Dong (Beijing, China), Ke Huang, Rui Su, Yu Ren, Xiao Hu, Tiantian Liu, Tao Ye, Ting Yang, Chen Wang, Paul Jones
- PA4795 Prospective, non-interventional study to characterise use of triple therapy for COPD: TETRIS**  
Gernot G.U. Rohde (Frankfurt am Main, Germany), Gernot G.U. Rohde (Frankfurt am Main, Germany), Peter Kardos, Claus Vogelmeier, Kai-Michael Beeh, Jing Claussen, Thomas Paulsson, Henrik Watz, Raj Sharma, Chris Compton, Tharishini Mohan, Tobias Welte

**PA4796 Vaccination status of the TRITRIAL study population.**  
 Francesco Macagno (Roma (RM), Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Lorenzo Ciambellotti, Maria D'Amato, Eleonora Ingrassia, Luca Cavalieri, Ulrica Scaffidi Argentina, Alessio Piraino

**PA4797 Effects of one year treatment with extrafine fixed triple inhaled therapy in moderate COPD in a real-life setting – results of the RATIONALE study**  
 András Südi (Budapest, Hungary), Gábor Tomisa, Alpar Horváth, Balázs Sánta, Tamás Kovács, Lilla Tamási

**PA4798 Characteristics of patients with COPD treated with Budesonide/Glycopyrronium/Formoterol in the real world; The RECORD Study**  
 Henrik Watz (Großhansdorf, Germany), Marija Halbach, Matthias Saathoff, Tamsin Morris, Michael Watt, Annika Fernandez Milano, Dinesh Shrikrishna, Dave Singh

**PA4799 The iron(y) in COPD patients' response to ICS: pharmacogenetic insights into the HISTORIC study**  
 Charikleia Ntenti (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Leticia Grize, Antonis Goulas, Daiana Stolz

**PA4800 Effectiveness of the cytoprotector ectoin in the treatment of patients with acute bronchitis**  
 Sergii Zaikov (Kyiv, Ukraine), Artemii Bogomolov, Mykola Gumeniuk

**PA4801 Exploring the Impact of Early Diagnosis and Treatment Initiation of Newly Diagnosed COPD Patients**  
 Lorinc Polivka (Üröm, Hungary), Balázs Sánta, Erika Baranya, Attila Vaskó, Tamás Balázs, Zsófia Lázár

PS-12

Session 461

12:30 - 14:00

Poster session: Response to biologics in severe asthma: moving forwards

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Pulmonary function testing Endoscopy and interventional pulmonology Imaging

Tag(s) : Translational

Chairs : Giuseppe Guida (ORBASSANO (TO), Italy), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

**PA4802 The effect of biological treatment on small airways' function of patients with severe asthma**  
 Anastasia Siora (Αργυρούπολη Αττικής, Greece), Angelos Vontetsianos, Nikolaos Chynkiamis, Christina Anagnostopoulou, Christiana Lekka, Agamemnon Bakakos, Konstantinos Bartziokas, Nektarios Anagnostopoulos, Ioanna Kostara, Nikoletta Rovina, Petros Bakakos, Andriana I. Papaioannou

**PA4803 Real-world clusters of severe asthma from the Italian Registry on Severe Asthma (IRSA): a longitudinal Latent Class Analysis**  
 Matteo Martini (Ancona, Italy), Maria Beatrice Bilò, Leonardo Antonicelli, Fausto De Michele, Adriano Vaghi, Antonino Musarra, Claudio Micheletto

**PA4804 Title: Do older patients with severe asthma respond to asthma biologics?**  
 Wint Wah Soe (Eastleigh, United Kingdom), Rahul Mittal, Peter Cook, Chellan Eames, Sumita Kerley, Ciara Whitfield, Ma Pantaleon, Jodi McCreery, Anna Freeman, Hans Michael Haitchi, Ramesh Kurukulaaratchy, Paddy Dennison, Hitasha Rupani

**PA4805 ROLE OF SUBACUTE BRONCHIAL INFECTION IN PATIENTS WITH SEVERE ASTHMA CANDIDATES FOR BIOLOGIC THERAPY**  
 Mireia Vicens (Palma de Mallorca, Spain), Nuria Toledo Pons, Amanda Iglesias Coma, Hanaa Shafiek, Antonio Ramirez, Ines Escribano, Mar Mosteiro, Fco.De Borja Garcia-Cosio Piqueras

**PA4806 HRCT chest findings in Th2 high severe asthma patients considered for biological therapies.**  
 Collin Mattathil (Liverpool, United Kingdom), Elmunzir Mahgoub, Rajesh Kumar Yadavilli

**PA4807 Understanding patient perception of asthma biologic treatment response**  
 Sunera Khan (Birmingham, United Kingdom), Emily Lyng, Muna Sheego, Sharron Gilbey, Lisa White, Julie Sullivan, Adel Mansur, Anilkumar Pillai

**PA4808 Prevalence of Asthma Remission in CSAR Cohort**  
 Saud Almousa (Riyadh, Saudi Arabia), Shelley Abercromby, Mohsen Sadatsafavi, Andréanne Côté, Kenneth Chapman, Diane Loughheed, Brianne Philipenko, Shawn Aaron, Simon Couillard, Mohit Bhutani, Hana Serajeddini, Celine Bergeron

**PA4809 COGNITIVE IMPAIRMENT IN SEVERE ASTHMA – LONG-TERM EFFECTS OF BIOLOGICALS**  
 Charlotte Bernhoff (Copenhagen, Denmark), Andreas Elleby Jespersen, Andreas Lillieroth Bricaud, Nanna Dyhre-Petersen, Emilie Johanning Bari, Kamilla Miskowiak, Celeste Porsbjerg

- PA4810** **Evaluation of dupilumab and benralizumab on peripheral airway resistance and reactance in type 2 high severe asthma**  
Rory Chan (Glasgow, United Kingdom), Kirsten Stewart, Chris Ruiwen Kuo, Brian Lipworth
- PA4811** **Hydrogen peroxide as a potential marker for monitoring airway inflammation in severe asthma patients on biologics**  
Claudia Gagliani (Palermo, Italy), Paul Brinkman, Alida Benfante, Alessia Lisotta, Maria Chiara Urso, Dario Macaluso, Elisa Epifani, Anke-H. Maitland Van Der Zee, Nicola Scichilone, Stefania Principe
- PA4812** **Real-world changes in fatigue in severe asthma patients after starting anti-interleukin-4/13 biologic**  
Lianne ten Have (Leeuwarden, Netherlands), Karin B. Fieten, Fleur L. Meulmeester, S. Hashimoto, Johannes A. Kroes, Jacob K. Sont, A. Ten Brinke, K. De Jong, Team Rapsodi
- PA4813** **Biologics in severe eosinophilic asthma treatment: four years of a single-centre follow-up**  
Borislav Božanić (Niš, Republic of Serbia), Marija Topalović, Ivana Stanković, Desa Nastasijević Borovac, Tatjana Pejčić
- PA4814** **Relationship between knowledge, adherence and self-management with response to monoclonal antibody therapy in patients with severe asthma**  
Christopher Alexander Hinze (Hannover, Germany), Vincent Müller, Frederik Trinkmann, Katrin Milger-Kneidinger, Tobias Welte, Nora Drick, Hendrik Suhling, Jan Fuge
- PA4815** **Relationship between T2 biomarkers and clinical remission in severe T2 high asthmatics after 12 months of treatment with omalizumab, mepolizumab and benralizumab.**  
Mare Sabbe (Olne, Belgium), Jeanne Vervier, Françoise Guissard, Virginie Paulus, Carole Sanchez, Nicolas Bougard, Anne-Noëlle Frix, Florence Schleich, Renaud Louis
- PA4816** **Predictors of new-onset EGPA in patient with severe asthma treated with anti IL-4/13**  
Greta Insalata (Florence, Italy), Alberto Bracciali, Elisa Bentivegna, Alessia Catalisano, Martina Maria Marinato, Rubina Giulia Girolamo, Chiara Allegrini, Chiara Marzi, Federico Lavorini, Gianna Camiciottoli
- PA4817** **Assessment of asthma control identifies new super responders to anti-IL5r therapy in severe asthma**  
Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Lorna Maguire, Helen Birkett, Tara Franklin, Kerry Hince, Stephen Fowler, Thomas Pantin
- PA4818** **Effectiveness of dupilumab on lung function in severe eosinophilic asthma**  
Joana Filipe Marques Simões (Lisboa, Portugal), Raquel Silva, Carlos Lopes, Henrique Cabrita, Alda Manique, Cristina Bárbara
- PA4819** **Characteristics and evolution of patients treated with Biologics in severe asthma of Getafe University hospital**  
Alejandro García García (Madrid, Spain), Carmen María Acosta Gutiérrez, Sara Calero Pardo, Zully Adjani Vasquez Gambasica, Fernando García Prieto, Beatriz Raboso Moreno, Jorge Mora Pinilla, Adriana Rodríguez Perojo, Sonia Pascual García, Waail Boubekri Boubekri Waail Boubekri Boubekri, María Conejero Merchán, Araceli Abad Fernández
- PA4820** **Eosinophilic phenotype in adults with severe asthma in a tropical middle-income country: The ISAR Colombia experience**  
Carlos A Torres-Duque (Bogotá, Colombia), Isabella Perna-Reyes, Libardo Jiménez-Maldonado, Diana Cano-Rosales, Leslie Vargas-Ramírez, Iván Solarte-Rodríguez, María José Fernández-Sánchez, Mauricio Durán-Silva, Eduardo Tuta-Quintero, Abraham Ali-Munive
- PA4821** **Evaluation of Asthma Control And Treatment Adherence In Asthma Patients**  
Gülstan Karadeniz (Izmir, Turkey), Sibel Ayık, Tamay Tatlı, Büşra Dinçel

PS-13

Session 462

12:30 - 14:00

## Poster session: Looking for biomarkers in chronic respiratory disease

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

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

Tag(s) : Translational

Chairs : Pavol Pobeha (Košice, Slovakia), James Baker (MANCHESTER, United Kingdom)

- PA4822** **H. influenzae and S. aureus detection through breath analysis in PCD patients**  
Belle Toussaint (Amsterdam, Netherlands), Emma Nessen, Joël Israëls, Eric Haarman, Josje Altenburg, Paul Brinkman, Anke-Hilse Maitland-Van Der Zee

- PA4823** **Eosinophil-derived neurotoxin levels in adults**  
Selin Ozuygur Ermis (Gothenburg, Sweden), Carina Malmhäll, Magnus P. Borres, Daniil Lisik, Selin Ercan, Reshed Abomalaka, Muwada Bashir Awad Bashir, Göran Wennergren, Jan Lötvall, Madeleine Råding, Linda Ekerljung, Hannu Kankaanranta, Bright Nwaru



- PA4824 Clinical and genetic predictors of MUC5AC expression in patients with asthma**  
Caroline Herløv (Frederiksberg C, Denmark), Juan José Nieto-Fontarigo, Morten Hvidtfeldt, Mandy Menzel, Jonas S. Erjefält, Lena Uller, Celeste Porsbjerg, Asger Sverrild, Kristoffer L. Norheim
- PA4825 Clinical characteristics and exacerbation risk of chronic obstructive pulmonary disease patients with persistent type 2 inflammation on inhaled corticosteroid**  
Ming Chiu Chan (Hong Kong, Hong Kong), Antony K P Law, Yiu Cheong Yeung
- PA4826 Sputum rheology critical stress is associated with non-cystic fibrosis bronchiectasis severity**  
Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Marion Wood, David Thornton, Stephen Fowler, Robert Lord, Thomas Pantin
- PA4827 Dissociation between lung inflammation and hyperresponsiveness in a murine model of obesity**  
Alembert Lino Alvarado (London, United Kingdom), Amanda Cavalcante, Simon Pitchford, Yanira Riffo-Vasquez
- PA4828 Miniaturized electrochemical sensor for real-time monitoring of oxidative stress in chronic respiratory disease cell models**  
Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Maria Rita Giuffrè, Chiara Cipollina, Maria Giuseppina Bruno, Giuseppe Aiello, Bernardo Patella, Rosalinda Inguanta
- PA4829 Diaphragmatic surface EMG and COPD Inflammatory profile**  
OUAHIDA BOUROUBI (constantine, Algeria), Ahcene Chikhi, Nesrine Zaabat
- PA4830 Disulfiram alleviates airway remodeling in ozone-induced chronic obstructive pulmonary disease mouse models via inhibiting Gasdermin D-mediated pyroptosis**  
Jianwei Gao (Shanghai, China), Lei Han, Yuning Huang, Min Zhang
- PA4831 NKG2A+CD56dimCD16br NK cell subset as a potential prognostic marker of response to benralizumab treatment in severe eosinophilic asthmatic patients.**  
Laura Bergantini (siena, Italy), Miriana D'Alessandro, Tommaso Pianigiani, Elena Bargagli, Paolo Cameli
- PA4832 How patient-reported respiratory symptoms relate to lung function and inflammation in adult asthma**  
Gilles Louis (Liège, Belgium), Benoît Pétré, Bernardo Sousa-Pinto, Jean Bousquet, Eric Van Ganse, Florence Schleich, Renaud Louis
- PA4833 Evaluation of inflammation, remodeling, hyperresponsiveness and oxidative stress in experimental models of asthma-COPD overlap**  
Bianca Turatti Maretto (Araras, Brazil), Suellen Bezerra, Soraia Nogueira Felix, João Vítor Oliveira Cirillo, Kaique Alves Araújo, Aline Riani Moreira, Sabrina Arraes Ayres, Roseane Martins Laia, Fabiola Matos Cruz, Francine Maria Almeida, Clarice Rosa Olivo, Milton Arruda Martins, Renato Fraga Righetti, Iolanda Fatima Lopes Calvo Tiberio, Beatriz Manguera Saraiva Romanholo
- PA4834 A BEAT-PCD ERS CRC consensus statement for routine blood testing in primary ciliary dyskinesia in collaboration with PCD-Clinical Trial Network**  
Sarah Altaraihi (Copenhagen, Denmark), June K. Nielsen, Pinelopi Anagnostopoulou, Mieke Boon, Siobhan B. Carr, Silvia Castillo-Corullón, Eleonora Dehlink, Damien M. S. Destouches, Jamie Duckers, Eric G. Haarman, Bülent Karadag, Christina Kavouridou, Michael R. Loebinger, Bernard Maitre, Henryk Mazurek, Lucy Morgan, Heymut Omran, Ugur Özçelik, Daniel Peckham, Massimo Pifferi, Petr Pohunek, Tavs Qvist, Johanna Raidt, Phillipe Reix, Felix Ringshausen, Phil Robinson, Evie Robson, Jobst Röhmel, Francesca Santamaria, Anne Schlegkendal, Nicola Ullmann, Woolf Walker, Panayiotis Yiallourous, Guillaume Thouvenin, Suzanne Crowley, Kim G. Nielsen
- PA4835 Staphylococcus aureus Enterotoxins sensitization on the pathophysiology of COPD**  
Yoshihiro Kanemitsu (Nagoya, Japan), Ryota Kurokawa, Taisuke Akamatsu, Kensuke Fukumitsu, Satoshi Fukuda, Yutaka Ito, Yuki Amakusa, Tatsuro Suzuki, Keima Ito, Yuta Mori, Takehiro Uemura, Tomoko Tajiri, Toshihiro Shirai, Akio Niimi
- PA4836 Utilizing Deep Machine Learning to Disclose Hematological Indices and Biomarkers in Asthma-COPD Overlap**  
Mingtao Liu (Guangzhou, China), Baoqing Sun
- PA4837 Stratification of pre-COPD by lung volume indices creates distinct proteomic profiles in COPD Gene cohort**  
Mehrdad Arjomandi (San Francisco, United States), Siyang Zeng, Claire Guo, Chantal Kloth, Katherine Pratte, Gang Luo, Russell P Bowler
- PA4838 Advances in Research on Eosinophil Extracellular Traps in Eosinophilic Granulomatosis with Polyangiitis**  
junjie wen (Guangzhou, China)
- PA4839 Longitudinal association between hemoglobin and lung function with insights into incidence of chronic obstructive pulmonary disease**  
SungChan Rim (Seoul, Republic of Korea), Jihoon Kim, Yun Tae Kim, Ji Ye Jung, Youngmok Park

**PA4840 Relationship of IL-36 $\gamma$  with oxidative stress markers (Ischemic Modified Albumin (IMA), total oxidant status (TAS) and total antioxidant status (TOS)) in the diagnosis of COPD**  
Nursel Turkoglu Selcuk (Antalya, Turkey), Hamit Yasar Ellidag, Aliye Gamze Calis

**PA4841 Risk factors associated with severe adverse events in patients with relapsing polychondritis undergoing flexible bronchoscopy**  
Shao-ting Wang (Beijing, China), Jinglan Wang, Xiaoxing Gao, Keqi Chen, Kai-Feng Xu, Xinlun Tian

**PS-14 Session 463 12:30 - 14:00**

**Poster session: Harnessing novel mechanistic insight to identify innovative therapeutic targets in airways disease**

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

**Method(s) :** Cell and molecular biology Physiology Respiratory intensive care Pulmonary function testing

**Tag(s) :** Translational

**Chairs :** Cindy Barnig (Besançon, France), Patricia Ramos-Ramírez (Stockholm, Sweden)

**PA4842 Immunoproteasome deficiency promotes airway type 2 inflammation in allergen challenged mice**  
Nicolette Schaunaman (Denver, United States), Diana Cervantes, Hong Wei Chu

**PA4843 Vitamin D attenuates airway inflammation and airway responsiveness in T2-low asthma by suppressing autophagy via the mTOR signaling pathway**  
Min Zhang (Shanghai, China), Yali Qiu, Xue Zhang, Yingying Zhang, Wuping Bao, Yishu Xue, Lei Han, Yan Zhou

**PA4844 LSC - 2024 - Deciphering the paradoxical immunoregulatory roles of ADAM metallopeptidase with thrombospondin type 1 motif-4 (ADAMTS4) in lung inflammation**  
Mohamed Ghonim (Memphis, United States), Amy Iverson, David Boyd, Lee Ann Van De Velde, Ahmed Kandil, Kasi Vegesana, Mai Abouzeid, Robert Mettelman, Stefan Schattgen, Kaity Allen, Cliff Guy, Peter Vogel, Jason Rosch, Richard Webby, Paul Thomas

**PA4845 Lymphoid aggregates accumulate in the lung during allergen-driven airway inflammation and serve as a local source of IgE production**  
Andrea Vecchione (Tarrytown, United States), Joseph Devlin, Eva Conde Garcia, Caroline Sanden, Gurinder Atwal, Andrew Murphy, Matthew Sleeman, Andre Limnander, Wei Keat Lim, Jonas Erjefält, Seblewongel Asrat, Jamie Orengo

**PA4846 Dysregulation of Bmal1 in airway epithelial cells caused a decrease in response to glucocorticoid in HDM-induced asthma**  
Minxuan Hu (Guangzhou, China), Haohua Huang, Hua Liao, Yixin Chen, Shaoxi Cai, Hangming Dong

**PA4847 Adiponectin modulates IL-10 production by T regulatory type 1 cells in allergic inflammation**  
Patricia Ramos-Ramírez (Stockholm, Sweden), Carina Malmhäll, Madeleine Rådinger, Apostolos Bossios

**PA4848 Autophagy in macrophages modulates the phenotypic switch of asthmatic airway inflammation**  
Zhengyuan Liu (hangzhou, China), Lingling Dong, Songmin Ying, Wen Li, Huahao Shen, Zhihua Chen

**PA4849 Pollen induces pseudo-allergy via MRGPRX2/Mrgprb2 on mast cells**  
Yun Liu (Xi'an, China), Yan Zhang

**PA4850 Bronchial pyroptosis promotes Th17 inflammation in a steroid-insensitive toluene diisocyanate-induced asthma model**  
Shuyuan Chu (Guilin, China), Jianghong Wei, Yun Lin, Biwen Mo

**PA4851 Very-long-chain Ceramide Cer24:1 Alleviates LPS-induced Airway Inflammation in Neutrophilic Asthma by Inhibiting Th17 Differentiation**  
Huan Liu (Beijing, China), Chun Chang

**PA4852 Synergistic and additive effect of costimulatory signal and kinases on T cell-dependent steroid-resistant asthma**  
Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Kouyama, Akemi Ohtomo-Abe, Yuichiro Kawasaki, Yuto Nakamura, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomi, Takayuki Ohtomo, Osamu Kaminuma

**PA4853 Rapamycin reduces effector/memory T cell response in mouse model of steroid-resistant asthma**  
Hyun Seung Lee (Seoul, Republic of Korea), Heung-Woo Park, Kyoung-Hee Lee

**PA4854 The role of lipocalin 2 in small airway lesions of asthma**  
Xue Zhang (shanghai, China), Lei Zhao, Yishu Xue, Jiao Xu, Wuping Bao, Xue Tian, Min Zhang

- PA4855** **The selective blocker of voltage-gated sodium channels NaV1.7 PF-05089771 has the potential to inhibit cough in guinea pigs with allergic rhinitis**  
Janka Jakušová (Martin, Slovakia), Tomáš Buday, Jana Plevková, Mariana Brozmanová
- PA4856** **STING/RANTES signaling in airway epithelial cell is a candidate for the bridge from type 1 inflammation to type 2 inflammation.**  
Mayoko Tsuji (Tokyo, Japan), Mitsuko Kondo, Akira Nishiyama, Tomohiko Tamura, Miho Koizumi, Hiroaki Honda, Ayako Nakamura-Ishizu, Etsuko Tagaya
- PA4857** **Eosinopenia and ILC2 Immune Dysfunction in COPD Exacerbation is Associated to the Upregulation of ILC3/IL-22 Axis**  
Xinyan Wang (Chengdu, China), Xuemei Liu, Ai Luo, Jian Luo, Mei Yang, Xin Chen, Yanqing Wu, Cong Zhou, Chen Zhao, Huifang Li, Xiaoting Chen, Fuqiang Wen, Bing Mao, Hongli Jiang, Wei Liu
- PA4858** **The role of JAK/STAT signaling in neutrophilic airway inflammation**  
Barsha Baisakhi Nayak (Graz, Austria), Julia Teppan, Iris Red, Juliana Schwanzer, Akos Heinemann, Eva Böhm
- PA4859** **The effect of elimination and irrigation hyperosmolar solution of xylitol therapy usage in allergic rhinitis patients**  
Artemii Bogomolov (Vinnytsia, Ukraine), Sergii Zaikov, Mykola Gumeniuk
- PA4860** **Safety, tolerability, pharmacokinetics, and immunogenicity of a human monoclonal antibody TQC2731 targeting thymic stromal lymphopoietin (TSLP) in healthy Chinese adults.**  
Weiguo Li (Nanjing, China), XIN TIAN, Ruijuan Liu, Lizhen Zhang, Lei Qi, Wenhua Xue, Suyun Wang, Chunjie Sun, Suke Sun, Ji Zhang, Wen Peng, Ding Yu
- PA4861** **TSLP AND IL-13 Dual Blockade By Lunsekimig Provides Broader Benefits On Type-2 Inflammation**  
Yui-Hsi Wang (Andover, United States), Hamid Mattoo, Joo-Hye Song, Michael Bursilovsky, Mark Swistak, Keith Graver, Winne Tung, Hongwei Han, Sigrid Cornelis, Paul Bryce, Arun Subramaniam, Frank Nestle, John Bertin, Alexandra Hicks, Ravi Ramadas

PS-15

Session 464

12:30 - 14:00

Poster session: Respiratory genetics, management of asthma and miscellaneous topics

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

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

Tag(s) : Translational

Chairs : Jagat Jeevan Ghimire (Kathmandu, Nepal), Morten Dahl (Køge, Denmark)

- PA4862** **DNA methylation sites associated with rate of COPD exacerbations**  
Leila Karimi (Rotterdam, Netherlands), Lies Lahousse, Ivana Prokić, Pooja Mandaviya, Guy G Brusselle, Bruno H Stricker, Katia M. C Verhamme, Najaf Amin
- PA4863** **30-year mortality of individuals with  $\alpha$ 1-antitrypsin deficiency: A Nationwide cohort study**  
Steffen Skindbjerg Pedersen (Rødovre, Denmark), Eskild Landt, Sarah Marott, Gökmen Turan, Kudret Oezdemir, Christina Ellervik, Thomas Hviid, Morten Dahl
- PA4864** **Causal Links Between Diabetes and Chronic Obstructive Pulmonary Disease: A Bidirectional Two-Sample Mendelian Randomization Study**  
Xin Chen (Zigong city, China), Wei Liu, Xinyan Wang, Hongli Jiang
- PA4865** **Presence of antibiotic resistance genes in the lower airways microbiome of patients with chronic lung disease and healthy controls**  
Guri Kringeland (Bergen, Norway), Gunnar R. Husebø, Solveig Tangedal, Andreu Paytuví, Walter Sanseverino, Rune Nielsen, Tomas Mikal Lind Eagan
- PA4866**  **$\alpha$ 1-Antitrypsin deficiency associated with increased risk of atrial fibrillation in two large populations**  
Sine Voss Winther (København S, Denmark), Eskild Landt, Børge Grønne Nordestgaard, Niels Seersholm, Morten Dahl
- PA4867** **Usefulness of buccal swab sample genotyping performed at home for blood relatives of patients with alpha-1 antitrypsin deficiency**  
Laura Ferreiros De La Campa (A Coruña / La Coruña, Spain), Sara De Lucas Altable, Agustín Medina González, Isabel Suárez Toste, Cristina Cabrera Lacalzada, Ana Martín Medina, Héctor Manuel González Expósito, Betsye Cornejo Brito, Hemily Katerine Izaguirre Flores, Carlos J. González Alayón, Manuel Hernández Guerra, Juan M. Moreno Sanfiel, Valle Velasco González, Patricia Cerrudo Borjas, Candelaria Cabrera Carballo, Lorenzo Estévez Fernández, Ana Belén Llanos González, Paula Pérez De Armas, Nelson Mesa León, Jesús León Gonzalo Pizarro, Orlando Acosta Fernández, Alicia Pérez Rodríguez

- PA4868 Placental DNA methylation and child lung function at 3-years**  
Valerie Siroux (La Tronche, France), Marceau Foucher, Lucile Broséus, Sarah Lyon-Caen, Anne Boudier, Joane Quentin, Yoann Gioria, Sam Bayat, Claire Philippat, Rémy Slama, Johanna Lepeule
- PA4869 Rare SERPINA1 variants leading to severe Alpha-1 Antitrypsin Deficiency**  
Ronan Heeney (Dublin, Ireland)
- PA4870 Birt-Hogg Dubé Syndrome: Prevalence and Clinical Characteristics Determined from a National Referral Centre**  
Andy Clarke (Dublin, Ireland), Evelyn Lynn, David Murphy, Michael P. Keane, Cormac Mccarthy
- PA4871 Association of ADRB2 gene variants with lung function and related traits in UK Biobank**  
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Richard Packer, Kayesha Coley, Nick Shrine, Katherine Fawcett, Ian Hall
- PA4872 Trans-ethnic analysis in over 780,000 individuals yields new insights into the genetic etiology of allergic diseases**  
Zhenglin Chang (guangzhou, Switzerland), Baoqing Sun
- PA4873 Comparison of characteristics between populations participating in two lung cancer screening (LCS) studies with low-dose chest CT (LDCT) in Pisa, Italy: ITALUNG (ITL) projects**  
Giacomo Guglielmi (Livorno, Italy), Giulia Marchi, Elisabetta Casto, Beatrice Vivaldi, Stefano Paoli, Guido Marchi, Claudia Meschi, Valentina Bessi, Chiara Cruschelli, Giuseppe Gorini, Ferruccio Aquilini, Francesco Pistelli, Laura Carrozzi
- PA4874 Prevalence of possible refractory or unexplained chronic cough (RCC/UCC) from chronic cough (CC) patient survey data in Spain, Italy, France and Germany (EU4)**  
Johann Christian Virchow (Rostock, Germany), Javier Dominguez-Ortega, Johann Virchow, Laurent Guilleminault, Raffaele Antonelli Incalzi, Vicky Li, Nate Way, Helen Ding, Robert Boggs, Xuehua Ke
- PA4875 Cumulative corticosteroid exposure in severe asthma prior to commencing biologics – a nationwide 27-year observational study**  
Kjell Erik Julius Håkansson (Copenhagen V, Denmark), Frederikke Hjortdahl, Susanne Hansen, Marianne Søndergaard, Anna Von Bülow, Claus R Johnsen, Johannes Martin Schmid, Ole Hilberg, Charlotte Suppli Ulrik, Anne Sofie Bjerrum, Sofie Lock Johansson, Truls Ingebrigtsen, Maria Bisgaard, Rosana Vijdea, Linda M Rasmussen, Kirsten Brændholt Rasmussen, Lycely Dongo, Celeste Porsbjerg
- PA4876 OCS use in uncontrolled severe asthma in Canada**  
Andréanne Côté (Quebec, Canada), Jeffrey Beach, Jenna Reynolds, Koyo Usuba, Joshua Tusin, Ali Tehrani, Muthu K G Jayakumar, Tim Tian Yu Han, Susan Wasserman
- PA4877 Factors of disability due to asthma in Ukraine**  
Nataliia Sanina (Dnipro, Ukraine), Tamara Turlyun, Lyudmila Konopkina, Svitlana Panina
- PA4878 Assessment of adherence to inhaled therapy for asthma and COPD in Bulgaria**  
Ventsislava Pencheva Genova (Sofia, Bulgaria), Kiril Genov, Todor Todorov, Stanimir Kacheshmarov
- PA4879 Respiratory disease research in Nepal: An ethical Concern**  
NAMITA Ghimire (Kathmandu, Nepal), Mohanraj Sharma
- PA4880 Late Breaking Abstract - The impact of biologic therapy on work capacity and workforce withdrawal in severe asthma**  
Kjell Erik Julius Håkansson (Copenhagen V, Denmark), Rikke Ibsen, Marianne Bastrup Søndergaard, Niels Steen Krogh, Susanne Hansen, Anne-Sofie Bjerrum, Anna Von Bülow, Ole Hilberg, Barbara Bonnesen Bertelsen, Claus Rikard Johnsen, Sofie Lock-Johansson, Lycely Dongo, Maria Bisgaard Borup, Roxana Vijdea, Linda Makowska Rasmussen, Johannes Martin Schmid, Charlotte Suppli Ulrik, Celeste Porsbjerg
- PA4881 Direct and indirect healthcare resource utilisation in severe asthma patients in China**  
Min Zhang (Shanghai, China), Hang Su, Mark Small, Adam Haq, George Bell

PS-16

Session 465

12:30 - 14:00

Poster session: Acute lung injury and basic research of occupational and environmental hazards

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#) [Thoracic oncology](#)Method(s) : Cell and molecular biology General respiratory patient care Public health Imaging Physiology Epidemiology  
Respiratory intensive care

Tag(s) : Translational

Chairs : Rafael E. de la Hoz (New York, United States), Oriane Dumas (Villejuif, France)

- PA4882 Comparative analysis of post-earthquake respiratory symptoms in traumatized and non-traumatized patients: a study from Kahramanmaraş, Türkiye**  
Yağmur Gizem Timurhan (Ankara, Turkey), Derya Doğan, Merve Özdoğan Algin, Ezgi Erdem Türe, Serap Akçalı Duru

PA4883	<b>Respiratory System Effects of Search and Rescue Workers in the February 6 Kahramanmaraş Earthquakes</b> Pınar Yıldız Gülhan (duzce, Turkey), Peri Arbak, Ege Güleç Balbay, Öner Abidin Balbay, Ali Nihat Annakkaya, Hasan Bayram
PA4884	<b>Quantitative CT marker of distal airway inflammation is correlated with marker of proximal airway dysfunction in WTC workers with low FVC</b> Rafael E. de la Hoz (New York, United States), Jonathan Weber, Raúl San José Estépar, Anthony Reeves, John T. Doucette, Juan C. Celedón
PA4885	<b>Sand Particles Increase Pneumococcal Adhesion to Primary Airway Cells in vitro</b> Lisa Miyashita (London, United Kingdom), Beverly Coldwell, David Wertheim, Ian Gill, Simon Crust, Nemesio M. Pérez, Nick Petford, Jonathan Grigg
PA4886	<b>Chronic exposure of human bronchial epithelial cells to smoke extracts from indoor cooking leads to altered, enhanced gene expression compared to acute exposures</b> Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Binaya K.C, Rebecca Thompson, Poojitha Rajasekar, Parth Sarathi Mahapatra, Siva Praveen Puppala, Dhurma Thakker, Rachel Clifford, Charlotte Bolton, Ian Sayers, Ian Hall
PA4887	<b>LSC - 2024 - Exploring micro(nano)plastic presence and effects in human airways: in vitro and clinical findings</b> Agne Vailionyte (Vilnius, Lithuania), Ernesta Bagurskiene, Ieva Uoginte, Steigvile Bycenkiene, Ruta Aldonyte
PA4888	<b>BHLHE40 driven CCL3+neutrophils promote emphysema after particulate matter exposure</b> Tao Yu (Beijing, China), Yushi Zhang, Chenli Chang, Baicun Li, Ting Yang
PA4889	<b>Lung effects of acute oral administration of bisphenol A-loaded low-density polyethylene microplastics</b> Gabriel Escarrer-Garau (Palma de Mallorca, Spain), Alberto Fuster-Aparisi, Lluçia Garcia-Moll, Marta Llobera-Ferriol, Marc Cañete-Cánaves, Joan Truyols-Vives, Rafael Alayón-Afonso, Mar Nafria-Fernández, Miguel David Ferrer-Reynés, Manuel Miró-Lladó, Josep Mercader-Barceló
PA4890	<b>Exposure to air pollutants and effects on the small airway lining fluid in allergic asthma</b> Susanna Haga (Göteborg, Sweden), Linus Schiöler, Hanne Krage Carlsen, Ingrid Liljelind, Per Larsson, Anna-Carin Olin
PA4891	<b>Cigarette smoke extract exposure affects larval innate immune response, metabolic rate and locomotion of Drosophila melanogaster.</b> PERIKLIS MARNAS (Larisa, Greece), Lydia Giannakou, Athanasios-Stefanos Giannopoulos, Panagiotis Tzamalal, Eleanna Pitarak, Rajesh Jagirdar, Eleftherios Papazoglou, Konstantinos Gourgoulialis, Chrissi Hatzoglou, Erasmia Rouka, Sotirios Zarogiannis
PA4892	<b>Synergistic effects of PM2.5 and viral challenge on the modulation of antiviral defence and pro-inflammatory cytokines in HBECs in vitro</b> Sangeetha Ramu (Lund, Sweden), Lena Uller, Mandy Menzel, Irma Mahmutovic Persson, Fanny Bergman, Lena Ohlsson, Christina Isaxon
PA4893	<b>The effect of PM2.5 exposure on lung inflammation and mitochondrial dysfunction using a macrophage-alveolar organoid co-culture system</b> Jeeyoung Kim (chuncheon, Republic of Korea), Seuk-Ho Hong, Woo Jin Kim
PA4894	<b>Budesonide reduced stone dust and cigarette smoke-induced interleukin 6 and interleukin 8 production.</b> Hoang Andra Tsang (Sydney, Australia), Brian Oliver
PA4895	<b>The glycyl-L-histidyl-L-lysine-Cu<sup>2+</sup> tripeptide complex attenuates lung inflammation and fibrosis in silicosis via targeting peroxiredoxin 6</b> Gang Hou (Beijing, China), Yiding Bian, Mingming Deng
PA4896	<b>Cigarette smoke exposure of prediabetic Drosophila melanogaster affects survival, oxygen consumption, thermal and ionic stress endurance.</b> PERIKLIS MARNAS (Larisa, Greece), Zoi Malami, Anna Rachovitsa, Panagiotis Tzamalal, Lydia Giannakou, Sotirios Sinis, Eleftherios Papazoglou, Konstantinos Gourgoulialis, Chrissi Hatzoglou, Erasmia Rouka, Sotirios Zarogiannis
PA4897	<b>Associations between short-term PM2.5 exposure and hematological indices in healthy subjects</b> Chi Thien Dinh (Taipei City, Taiwan), Yuan-Hung Wang, Chien-Hua Tseng, Chien-Ling Su, Jer-Hwa Chang, Hsiao-Chi Chuang
PA4898	<b>Factors Associated with Acute Exacerbations in Non-Smoking Patients with COPD in China: Findings from the Enjoying Breathing Program</b> Zhoude Zheng (Beijing, China), Junchao Jiang, Xingyao Tang, Wei Li, Hongtao Niu, Jieping Lei, Fen Dong, Ke Huang, Ting Yang, Chen Wang
PA4899	<b>Impacts of climate change and air pollution for Australians with lung disease</b> Paige Preston (Brisbane, Australia), Lily Grigsby-Duffy



**PA4900** **Air pollutants and meteorological parameters: the association with the evolution of pneumonia in hospitalized patients**  
Souha Abdenneji (Tunis, Tunisia), Sabrine Majdoub Fehri, Hamida Kwas

**PA4901** **Late Breaking Abstract - Update on mesothelioma incidence and forecast of future cases in Belgium**  
Steven Ronsmans (Leuven, Belgium), Kristiaan Nackaerts, Benoit Nemery

PS-17

Session 466

12:30 - 14:00

## Poster session: Supporting tobacco cessation

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

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

Tag(s) : Clinical

Chairs : Aslı Görek Dilektaşlı (Bursa, Turkey), Malek Chaabouni (Hamburg, Germany)

**PA4902** **Predictors and barriers to accepting smoking cessation support within targeted lung health screening programmes: a mixed method approach.**  
Parris Williams (London, United Kingdom), Sara Buttery, Alexis Perkins, Keir Philip, Anthony Laverty, Nicholas Hopkinson

**PA4903** **Preliminary findings of a Brazilian public lung cancer screening program in Brazil**  
Ivana Aguiar (Botucatu (SP), Brazil), Tarcísio Reis, Fabio Yamauchi, Kelly Oliveira, Isadora Furlan, Diane Batista, Aglória Ximenes, Robson Prudente, Estefania Franco, Luiz Machado, Gustavo Mota, Bruno Lima, Vitor Nishiyama, Gabriel Artiga, Gabriel Reno, Aline Takeuchi, Leticia Ishimoto, Felipe Silva, Juan Wisnivesky, Sergio Ribeiro, Suzana Tanni, Erica Hasimoto

**PA4904** **Lung cancer screening in a public health system in Brazil: integration of primary and tertiary care for respiratory care equity in Botucatu City**  
Ivana Aguiar (Botucatu (SP), Brazil), Tarcísio Reis, Fabio Yamauchi, Kelly Oliveira, Isadora Furlan, Diane Batista, Aglória Ximenes, Robson Prudente, Estefania Franco, Luiz Machado, Gustavo Mota, Bruno Lima, Vitor Nishiyama, Gabriel Artiga, Gabriel Reno, Aline Takeuchi, Leticia Ishimoto, Felipe Silva, Juan Wisnivesky, Sergio Ribeiro, Suzana Tanni, Erica Hasimoto

**PA4905** **Smoking status and lung function in rural areas of northern Greece**  
Efthymia Papadopoulou (Thessaloniki, Greece), Christoforos Proimos, Konstantinos Kostikas, Konstantinos Porpodis, Iraklis Titopoulos, Stavros Tryfon

**PA4906** **The impact of active smoking on asthma control among high school students in the eastern of Algeria**  
Ardjouna Manaa (Setif, Algeria), Lamia Kara, Abbes Mahnane, Belkacem Bioud

**PA4907** **Motivations for smoking in young adults with mental health disorders**  
Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy

**PA4908** **Smoking and e-cigarette prevalence in young adults diagnosed with anxiety/depression vs other mental health disorders**  
Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy

**PA4909** **Restless sleep in young adults, and their parents/caregivers, who are smokers, e-cigarette users, or dual users**  
Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy

**PA4910** **E-Cigarette and Tobacco Consumption Patterns in Medical University Students**  
Aslı Görek Dilektaşlı (Bursa, Turkey), Ozge Aydın Guclu, Arzu Ozpehlivan, Funda Coskun, Ezgi Demirdöğen, Mehmet Karadag, Esra Uzaslan

**PA4911** **Google Trends analysis of keywords related to smoking and smoking cessation during the COVID-19 pandemic in four European countries**  
Klaas F. Franzen (Luebeck, Germany), Tobias Jagomast, Jule Finck, Imke Tangemann-Münstedt, Katharina Auth, Dominik Pawlak, Daniel Drömann

**PA4912** **Are the Harms of e-cigarettes recognized by Society?**  
Soumaya Ben Saad (Ariana, Tunisia), Takoua Bejaoui, Nour Kallel, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

**PA4913** **Higher asthma risk in offspring of parents starting snus use before conception: findings from the RHINESSA study**  
Juan Pablo López-Cervantes (Bergen, Norway), Simone Accordini, Randi J. Bertelsen, Francisco Javier Callejas González, Shyamali Dharmage, Mathias Holm, Christer Janson, Nils Oskar Jögi, Andrei Malinovsky, Vivi Schlünssen, Cecilie Svanes

- PA4915** **Telemedicine-based smoking cessation program in a south-american country**  
Andrea Bustamante Bennett (Santiago De Chile, Chile), Claudia Bambs, Carolina Althausen, Claudia Pizarro, Luzcarla Quintana
- PA4916** **Development of smoking trends among young people in 2022-2024 in Ukraine**  
Volodymyr Tsmok (Vinnytsia, Ukraine), Mariia Shevnia, Oksana Poberezhets, Mykola Stanislavchuk, Arnab Das, Rahul Debnath
- PA4917** **Evaluation of the INSPIRE Respiratory Health Program for Smoking Cessation and patient's satisfaction**  
THOMAZ VARGAS (Botucatu, Brazil), Gustavo Rios, Robson Prudente, Suzana Tanni, Amanda Mendonça, Beatriz Corrêa, Bianca Costa, Bruno Araújo, Bruno Deo, Bruno Freire, Bruno Lima, Estefânia Franco, Erica Hasimoto, Felipe Silva, Gabriel Artiga, Gabriel Renó, Gabriella Gomes, Giovana Holouka, Ivana Aguiar, Jéssica Geronutti, Jonathas Moraes, Julio De Oliveira, Larissa Molero, Leticia Ishimoto, Liana Coelho, Luis Batalin, Luís Brizola, Luiz Machado, Maércio Santos, Mariana Dorna, Marília Machado, Matheus Callegari, Pâmela Dourado, Talita Cezare, Vinicius Gonçalves, Vinicius Maehara, Vitor Nishiyama
- PA4918** **SMAD4 promotes the EMT during cigarette smoke-induced airway remodeling in COPD by interacting with O-GlcNAc transferase**  
Yan Wu (Wuxi, China), Ziteng Wang, Yu Ding, Shulun Huang, Jinyan Yu, Lingjia Yang, Hongjing Gong, Zhen Yu, Rongguo Lu, Tao Bian
- PA4919** **Exploring the Smoking-Epilepsy Nexus: A Systematic Review and Meta-Analysis of Observational studies**  
Eunjeong Son (Yangsan-si, Republic of Korea), Yun Hak Kim
- PA4920** **Airway deficiency of specific miRNAs impairs Drosophila tracheal development and lifespan**  
Leizhi Shi (Borstel, Germany), Birte Erhardt, Thomas Roeder, Susanne Krauss-Etschmann
- PA4921** **Characteristics of acute exacerbation in COPD according to the intensity of tobacco intoxication**  
Ines moussa (ariana, Tunisia), Sarra Ben Sassi, Hana Mrassi, Mariem Friha, Imen Sahnoun, Leila Douik El Gharbi

PS-18

Session 467

12:30 - 14:00

Poster session: Lung function and physical activity in ex-preterm infants and children with asthma

Disease(s) : Sleep and breathing disorders Airway diseases

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

Tag(s) : Clinical

Chairs : David Lo (Leicester, United Kingdom), Jessica Taytard (Paris Cedex 12, France)

- PA4922** **Trend analysis of the occurrence of asthma and respiratory symptoms in Polish children over the last 30 years.**  
Grzegorz Brożek (Katowice, Poland), Bartosz Nowak, Aleksandra Gil, Piotr Nakiela, Jan Zejda, Josh Lawson
- PA4923** **Epidemiology of asthma in children in Kazakhstan: Data from Unified National Electronic Health System 2014-2021**  
Dmitriy Syssoyev (Astana, Kazakhstan), Kamilla Mussina, Abduzhappar Gaipov, Dimitri Poddighe, Dinara Galiyeva
- PA4924** **Environmental tobacco smoke exposure among children: findings from the Swiss Paediatric Airway Cohort**  
Tayisiya Krasnova (Kyiv, Ukraine), Masa Zarkovic, Sarah Glick, Carmen Casaulta, Alexander Moeller, Nicolas Regamey, Claudia E Kuehni
- PA4925** **Visible damp in a child's bedroom but not elsewhere in the house is associated with respiratory symptoms and inhaler requirement in early life: a multi-centre cohort study**  
Tom Ruffles (hove, United Kingdom), Sarah Ingliss, Anjum Memon, Paul Seddon, Kaninika Basu, Stephen Bremner, Heike Rabe, Somnath Mukhopadhyay, Katy Fidler
- PA4926** **Physical activity in children with asthma: Associations with climatic, environmental, anthropometric and clinical parameters.**  
Pinelopi Anagnostopoulou (Nicosia, Cyprus), Jane Berill, Peter James, Antonis Michanikou, Emmanouil Galanakis, Eleni Michaelidou, Paraskevi Kinni, Nikos Kalivitis, Giorgos Kouvarakis, Emily Vasiliadou, Chrysanthos Savvides, Filippos Tymvios, Panayiotis Yiallourous, Petros Koutrakis, Panayiotis Kouis
- PA4927** **Late Breaking Abstract - Pre- and postnatal air pollution's association with infant microbiome and respiratory symptoms**  
Noëmi Künstle (Basel, Switzerland), Olga Gorlanova, Céline Rüttimann, Nadja Mostacci, Martin Röösl, Kees De Hoogh, Benjamin Flückiger, Carla Rebeca Da Silva Sena, Ruth Steinberg, Insa Korten, Sophie Yammine, Sven Schulzke, Philipp Latzin, Markus Hilty, Urs Frey
- PA4928** **Asthma exacerbations and inhaled corticosteroid use in pregnancy and child asthma**  
Bronwyn Brew Haasdyk (Stockholm, Sweden), Vanessa Murphy, Tong Gong, Helga Zoega, Alys Havard, Annelies Robijn, Awad Smew, Gustaf Rejno, Cecilia Lundholm, Catarina Almqvist

PA4929	<b>Maternal asthma and lung function during pregnancy, childhood asthma and growth, the MAESTRO-Child study</b> Bronwyn Brew Haasdyk (Stockholm, Sweden), Emma Caffrey Osvald, Cecilia Lundholm, Hanna Karim, Gustaf Rejnö, Samuel A Rhedin, Catarina Almqvist
PA4930	<b>The association between low birth weight and pulmonary function in infants</b> Nadav Juven Wetzler (Kiryat Ono, Israel), Avigdor Hevroni, Oded Breuer
PA4931	<b>EARLY ARREST OF LUNG DEVELOPMENT AND ITS IMPACT ON CHILDREN'S AIRWAY RESISTANCE</b> Elida Dueñas Mesa (Bogotá, Colombia), Pedro Vargas-Duque, Daniela Cleves, Lizbeth Pernet, Maria Valderrama, Mauricio González-García
PA4932	<b>Forced Oscillation Technique (FOT) - the new era in diagnostics of obstructive diseases in children</b> Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Plamena Stoimenova, Stoilka Mandadzhieva, Blagoi Marinov, Kostadin Ketev
PA4933	<b>Forced-oscillometry indices to assess the response to ICS-LABA combination and the improvement of airway inflammation in asthmatic children</b> Elpis Hatzigiorgou (Thessaloniki, Greece), Christos Kogias, Athina Sopiadou, Sotirios Fouzas, Petrina Vantsi, Elisavet-Anna Chrysochoou, Maria Galogavrou
PA4934	<b>IMPULSE OSCILLOMETRY REFERENCE VALUES FOR TURKISH CHILDREN AGED THREE TO EIGHT YEARS</b> Enrico Lombardi (Florence, Italy), Ozge Yilmaz, Seda Tunca, Adem Yaşar, Hasan Yuksel
PA4935	<b>Normal peak expiratory flow values in Malagasy children of Bantu origin</b> Simone Scarlata (Roma (RM), Italy), Michele Arigliani, Alessandro Ruggiero, Martina Pacillo, Alex Cucco, Cristina Melloni, Andrea Salvatori, Francesco De Maria, Dafne Marcelli, Olga Ciavarella, Francesco Mendicelli, Eugenio Refrigeri, Mariafrancesca Russo, Chiara Repaci, Matteo Ferri, Sara Fontanelle, Gianluigi Mottini
PA4936	<b>Acceptability of remote lung function testing using portable spirometry devices: perspectives of children and young people with respiratory conditions and their caregivers.</b> Nicki Barker (Sheffield (South Yorkshire), United Kingdom), Louis Stokes, Evie Robson, Oliver Price, Paul Burns, Emma Fettes, Moira Gibbons, Heather Elphick, Joe Sails
PA4937	<b>Defining the optimal spirometry cut-off points for optimal bronchodilator response in prematurity associated lung disease</b> John Lowe (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Michael Cousins, Sarah Kotecha, John Watkins, Sailesh Kotecha
PA4938	<b>Exercise induced bronchial constriction and bronchodilator reversibility in prematurely born children aged 4-8</b> Pascal Keijzer (Enschede, Netherlands), Frans De Jongh, Anton Van Kaam, Boony Thio
PA4939	<b>Comparison of lung function in preterm infants at 36 and 44 weeks postconceptional age</b> Raphaëla Kleiner (Biel/Bienne, Switzerland), Yasmin Salem Mahmoud, Marion Cudry, Florian Wyler, Urs Frey, Philipp Latzin, Sophie Yammine
PA4940	<b>Pediatric obstructive sleep apnea (OSA) correlates with elevated levels of nocturnal blood pressure (BP)</b> Sofía Romero Peralta (Madrid, Spain), Olga Mediano, María Castillo García, Laura Silgado-Martínez, Esther Viejo-Ayuso, Leticia Álvarez-Balado, Laura Fidalgo Marrón, Ángel Rodríguez Paramás, Rosa Mediano San Andrés, Carles Forné, Pilar Resano-Barrio, Ainhoa Álvarez Ruiz De Larriaga, Carolina Díaz García, Genoveva Del Río Camacho, Alejandra Roncero Lázaro, Irene Cano-Pumarega, Manuel Sánchez-De-La-Torre, Esther Solano-Pérez
PA4941	<b>Autism spectrum disorder in young patients with congenital central hypoventilation syndrome: role of the autonomic nervous system dysfunction</b> Benjamin Dudoignon (Paris, France), Anna Maruani, Richard Delorme, Maxime Patout, Mylène Fefeu, Pierre Ellul, Plamen Bokov, Christophe Delclaux

PS-19

Session 468

12:30 - 14:00

Poster session: Insights into paediatric respiratory challenges: from clinical studies to biomarker profiling

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

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

Tag(s) : Clinical, Translational

Chairs : Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Eva Steinke (Berlin, Germany)

- PA4942** **The Association Between Radiological Scores and Clinical Severity of Childhood Pulmonary Tuberculosis**  
Beste Özsezen (Ankara, Turkey), Feyza Kabar, Tugba Ramasli Gursoy, Pelin Asfuroglu
- 
- PA4943** **Tuberculosis in children using biological agents: A nationwide study**  
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Ayse Tana Aslan, Volkan Medeni, Sinem Can, Naim Ata, M. Mahir Ulgu, Suayip Birinci
- 
- PA4944** **Late Breaking Abstract - Patient stratification of two asthma populations reveal distinct genetic and mechanistic differences between T2-high and T2-low asthma**  
Colin Stubberfield (Witney, United Kingdom), Krystyna Taylor, Sayoni Das, Matthew Person, Jim Kozubek, Steve Gardner
- 
- PA4945** **Ureaplasma-induced impairment of alveolar epithelial Na<sup>+</sup> transport and its underlying mechanism.**  
Mandy Laube (Leipzig, Germany), Elisabeth Paluszkiewicz, Carl-Bernd Rieger, Ulrich Thome, Kirsten Glaser
- 
- PA4946** **The role of miR-146a on experimental lung inflammation: two sides of the same coin**  
Ralf Schubert (Frankfurt, Germany), Lucia Gonau, Ruth Pia Duecker, Silvija Pera Jerkic, Jordis Trischler, Andreas Geburtig-Chiocchetti, Katharina Blumchen, Stefan Zielen
- 
- PA4947** **Proteomic profiling of bronchoalveolar lavage fluid in children with chronic pulmonary aspiration**  
Nadine Freitag (Krefeld, Germany), Marc Driessen, Dirk Schramm
- 
- PA4948** **Assessing indicators of severe human metapneumovirus respiratory tract infections in children**  
Airin Veronese (Ljubljana, Slovenia), Tina Uršič, Simona Bizjak Vojinovič, Jasna Rodman Berlot
- 
- PA4949** **Acute respiratory illness among Tunisian infants and use of antibiotics: Insights from 2006 and 2018 Multiple Indicator Cluster Surveys**  
Arwa Neffati (Tunis, Tunisia), Hind Bouguerra, Aouatef Touihri, Seifeddin Rhouma, Chokri Zoghlemi, Dali Oussama, Ali Mrabet
- 
- PA4950** **The use of the tidal breathing flow-volume loop (TBFVL) in full-term newborns as a predictive tool for the risk of lower respiratory tract pathologies: an observational study**  
Maria Giulia Conti (Roma, Italy), Laura Petrarca, Enrica Mancino, Greta Di Mattia, Domenico Paolo La Regina, Luigi Matera, Francesca Pulcinelli, Antonella Frassanito, Fabrizio Virgili, Raffella Nenna, Fabio Midulla
- 
- PA4951** **Short course of systemic steroids (SCSS) for respiratory diseases during infancy and final adult height. A 20-year prospective birth cohort study.**  
EVANGELIA KOUTRA (ATHENS, Greece), Lampidi Stavroula, Lampidi Thaleia, Gorou Krystallia, Athina Papadopoulou
- 
- PA4952** **Clinical characteristics and outcomes of children with pleural empyema: a prospective cohort study**  
Deepa Patel (Leicester, United Kingdom), Manisha Ramphul, Erol A Gaillard, David K H Lo
- 
- PA4953** **Application of Lung Ultrasonography in Pediatric Pulmonology**  
Mina Hizal (Ankara, Turkey), Oguz Bölük, Burcu Ceylan Cura Yayla
- 
- PA4954** **Evaluation of vitamin D status effect on the outcome of children hospitalized with acute respiratory illnesses at a paediatrics referral hospital, Kenya**  
Justus Simba (Thika, Kenya), Hannah Wanjiku, Everlyne Agisa, Renson Mukhwana, Joan Ruguru, Thomas Ngwiri, Rebecca Nantanda, Helen Nabwera, Ian Sinha
- 
- PA4955** **Healthcare providers awareness of protracted bacterial bronchitis in children in Ukraine**  
Oleksandr Mazulov (Vinnytsia, Ukraine), Olena Rechkina, Svitlana Ilchenko, Olha Lyga, Serhii Rudenko
- 
- PA4956** **Evaluation of postinfectious bronchiolitis obliterans patients in the Childhood Interstitial Lung Diseases Registry of Türkiye**  
Nilgun Kula (ankara, Turkey), Ayşe Tana Aslan, Tuğba Şişmanlar Eyüboğlu, Handan Kekeç, Sinem Can Oksay, Gülay Bilgin, Aslı Imran Yılmaz, Hanife Tuğçe Çağlar, Ece Ocak, Fiğen Gülen, Halime Nayır Büyüksahin, Birce Sunman, Hanife Büşra Küçük, Erkan Çakır, Ayşen Bingöl, Abdurrahman Erdem Başaran, Fazılcan Zirek, Merve Nur Tekin, Çiğdem Korkmaz, Bülent Karadağ, Ela Erdem Eralp, Melih Hangül, Şule Selin Soydaş, Mehmet Köse, Beste Özsezen, Tuğba Ramaslı Gürsoy, Zeynep Seda Uyan, Cansu Yılmaz Yeğit, Saniye Girit, Sevgi Pekcan, Nagehan Emiralioğlu Ordukaya, Ebru Yalçın, Nazan Çobanoğlu, Ayşe Ayzıt Kılınç, Yasemin Gökdemir, Güzin Cinel, Diclehan Orhan, Berna Oğuz, Ahmet Cevdet Ceylan, Nural Kiper
- 
- PA4957** **Clinical characteristics of initial respiratory insult in children subsequently diagnosed with Post infectious Obliterative Bronchiolitis.**  
Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Emily Hayes, Kelechi Ugonna
- 
- PA4958** **Outbreak of Post-infectious Bronchiolitis Obliterans (PIBO) post adenovirus infection. A case series and review of the literature**  
Sergio Ghirardo (Trieste, Italy), Arianna Traunero, Malena Aldeco, Paola Pascolo, Laura Mazzari, Massimo Maschio, Alessandro Amaddeo, Uros Krivec

**PA4959** **Late Breaking Abstract - Can newborns with bronchiolitis effectively use a metered-dose inhaler with spacer?**  
Marcelina Kurek (Trablice, Poland), Alicja Smoleńska, Justyna Małyska, Kamil Janeczek, Andrzej Emeryk

**PS-2** **Session 469** **12:30 - 14:00**

**Poster session: Extending current components and outcomes of pulmonary rehabilitation for COPD**

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

**Method(s) :** Pulmonary rehabilitation General respiratory patient care Pulmonary function testing Public health Epidemiology Physiology

**Tag(s) :** Clinical

**Chairs :** Frits M.E. Franssen (Maastricht, Netherlands), Marine Van Hollebeke (Leuven, Belgium)

**PA4962** **Effects of elastic tape during pulmonary rehabilitation in moderate to very severe COPD: An RCT**  
Estéfane Reis (São Paulo, Brazil), Juliana M. B. Santos, Thiago F. Pinto, Estéfane C. M. Reis, Cibele C. B. Marques Da Silva, Fabiano F. De Lima, Alberto Cukier, Regina M. Carvalho-Pinto, Celso F. Carvalho

**PA4963** **Novel versus traditional inspiratory muscle training regimens in COPD**  
Martin Hartman (Brno, Czech Republic), Filip Dosbaba, Magno F Formiga, Ladislav Batalik, Kristian Brat, Marek Plutinsky, Lawrence P Cahalin

**PA4964** **Assessing patient goal attainment before and after pulmonary rehabilitation: a call for measurement development and assessment**  
Sara de Miranda (Setúbal, Portugal), Guilherme Rodrigues, Martijn Spruit, Alda Marques

**PA4965** **Exercise intensity and energy balance in COPD: A randomized controlled trial.**  
Tomoyuki Ikeuchi (Yukuhashi, Japan), Kazuya Shingai, Katsuyuki Ichiki, Takeo Jimi, Tetsuya Kawano, Kaori Kato, Toru Tsuda

**PA4966** **Effectiveness of a hybrid home-based pulmonary rehabilitation programme after hospitalisation for COPD-exacerbations: preliminary results.**  
Sarah Gephine (Pérenchies, France), Jean-Marie Grosbois, Olivier Le Rouzic, Cécile Chenivresse

**PA4967** **Interval training in COPD patients with chronic respiratory failure: a feasibility and comparative study**  
Mara Paneroni (Mazzano (BS), Italy), Ioannis Vogiatzis, Beatrice Salvi, Laura Bertacchini, Michele Vitacca

**PA4968** **Comparison of the effects of different high intensity interval training protocols on exercise capacity and dyspnea in COPD: a systematic review**  
İrem Süzen (Antalya, Turkey), Aynur Demirel

**PA4969** **Effects of the Combination of Pulmonary Rehabilitation and Cognitive Behavior Therapy on Depression in Elder Patients with Chronic Obstructive Pulmonary Disease**  
HuiJie Hou (Tian Jin, China), Yiman Li, Yan Song, Yang Yu, Zhijing Shi, Zhe Chen

**PA4970** **The effects of pulmonary rehabilitation on inflammatory biomarkers in patients with chronic obstructive pulmonary disease: A systematic review and meta-analysis**  
Anastasia Newman (Hamilton, Canada), Christopher Farley, Ana Oliveira, Parameswaran Nair, Roger Goldstein, Dina Brooks

**PA4971** **Exploring the effects of inhaled corticosteroids on endothelial function in COPD patients undergoing an intensive pulmonary rehabilitation program**  
Claudio Candia (Naples, Italy), Pasquale Ambrosino, Carmen Lombardi, Claudia Merola, Salvatore Fuschillo, Silvestro Ennio D'Anna, Filomena Tafuro, Antonio Molino, Mauro Maniscalco

**PA4972** **Preferences of patients with chronic obstructive pulmonary disease (COPD) leading to their choice between center-based or home-based pulmonary rehabilitation.**  
ALEXANDRE LECLERCQ (LOOS, France), Olivier Le Rouzic, Axelle Detree, Jean-Marie Grosbois, Saïd Benkharraz, Didier Caparros, Cyrielle Jardin, Fabienne Radenne, Philippe Ramon, Fabienne Salez, Alain Strecker, Gaëlle Terce, Laurence Thirard

**PA4973** **Towards a remote deployment of the assessment of physical capacities of patients with COPD: feasibility and validity of the 5STS**  
Esperance Moine (Lodeve, France), Nicolas Oliver, Florine Barbaste, Virginie Molinier, François Alexandre, Maurice Hayot, Nelly Heraud



- PA4974 Self-reported maintenance training in patients with COPD – a 56 months' follow-up study after initial pulmonary rehabilitation**  
Anders Løkke (Højbjerg, Denmark), Mette Kaasgaard, Uffe Bodtger, Søren T. Skou, Stephen Clift, Ole Hilberg, Daniel Bech Rasmussen
- PA4975 What are the predictors and reasons for refusing to engage in a maintenance pulmonary rehabilitation program?**  
Francois Alexandre (Lodeve, France), Virginie Molinier, Espérance Moine, Sébastien Kuss, François Bughin, Antonin Vernet, Guillaume Coste, Amandine Calvat, Virginie Guerre, Nicolas Oliver, Maurice Hayot, Nelly Heraud
- PA4976 Pulmonary rehabilitation for acute and stable COPD : a systematic review and network meta-analysis**  
Chien-Hua Tseng (New Taipei City, Taiwan), Tzu-Tao Chen
- PA4977 Breathing life into referrals: consumer co-design enhances pulmonary rehabilitation access in COPD**  
Sarah Hug (Perth (WA), Australia), Vinicius Cavalheri, Daniel Gucciardi, Kylie Hill
- PA4979 Does pulmonary rehabilitation decrease frailty in COPD?**  
Bethia Bradley (Chichester, United Kingdom), Ceri Allman, Victoria Bulbeck
- PA4980 Benefit of pulmonary rehabilitation in frail COPD and other chronic lung disease: A systematic review and meta-analysis**  
Kola Akinlabi (London, United Kingdom), Bin Patel, Ana Maria-Bafa, Bunmi Adebajo, Meera Panchal, Mayowa Bakare, Patrick Mallia
- PA4981 Changes in exercise capacity, symptom burden and mental health scores in individuals with chronic obstructive pulmonary disease pre and post the COVID-19 pandemic**  
Elizabeth Dunphy (Easkey, Ireland), Philip Tonge, Feargal Helly, Sarah O'Beirne

PS-20

Session 470

12:30 - 14:00

## Poster session: Twist and shout: all lung transplantation

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

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

Tag(s) : Clinical

Chairs : Letizia Corinna Morlacchi (Milano (MI), Italy), Michael Perch (Copenhagen, Denmark)

- PA4982 Pre-transplant Angiotensin type 1 receptor antibodies are associated with acute kidney injury post-lung transplant**  
Andrei Darie (Melbourne, Australia), Steven Hiho, Samantha Ennis, Bronwyn Levvey, Helen Shingles, Miranda Paraskeva, Kovi Levin, Glen Westall, Lucy Sullivan, Gregory Snell
- PA4983 Comparison between standard-release and extended-release tacrolimus in lung transplantation**  
Georgia Mitropoulou (Lausanne, Switzerland), Caroline Constantin, Mohamed Faouzi, Marie-France Derkenne, Thorsten Krueger, Angela Koutsokera
- PA4984 Evolving trends in underlying etiologies for lung transplantation in Europe and outcomes**  
Emilie Hofstetter (München, Germany), Robin Vos, Michael Perch, José Manuel Cifrian Martinez, Giandomenico Manna
- PA4985 Early Predictors of Acute Kidney Injury after Lung Transplantation: a prospective observational study**  
Gloria Turconi (Gerenzano (VA), Italy), Marco Bosone, Margherita Andrea Brivio, Lorenzo Rosso, Letizia Corinna Morlacchi, Giacomo Grasselli, Vittorio Scaravilli
- PA4986 Central versus peripheral adaptations after lung transplantation in end-stage COPD**  
Camilla Koch Rysø (Frederiksberg, Denmark), Thomas Kromann Lund, Pia Thaning, Lasse Gliemann, Michael Perch, Jacob Peter Hartmann, Ida Kær Thorsen, Gregers Winding Munch, Bente Klarlund Pedersen, Ylva Hellsten, Ronan M. G. Berg, Ulrik Winning Iepsen
- PA4987 Pregnancy Outcomes and Management in Lung and Heart Transplant Recipients: A Systematic Review**  
Vicky Gerovasili (Rickmansworth, United Kingdom), Aya Tanaka, Filippos T. Filippidis, Marie Line El Asmar, Anna Reed, Vasiliki Gerovasili
- PA4988 Cytomegalovirus diagnosis in BALF of immunocompromised patients and its association to outcome**  
Theodora Zouvani (Freiburg, Germany), Meropi Karakioulaki, Kathleen Jahn, Leticia Grize, Eleni Papakonstantinou, Hartmut Hengel, Karoline Leuzinger, Hans H. Hirsch, Daiana Stolz
- PA4989 Herpes simplex virus in the bronchoalveolar lavage of immunocompromised patients with LRTI – results of a prospective study**  
Theodora Zouvani (Freiburg, Germany), Meropi Karakioulaki, Kathleen Jahn, Leticia Grize, Eleni Papakonstantinou, Hartmut Hengel, Karoline Leuzinger, Hans H. Hirsch, Daiana Stolz

- PA4990 Pulmonary vascular complications following lung transplantation: characteristics, incidence and survival**  
Adam Dehili (Lyon, France), Irene Hanot, Morgane Penhouet, Mehdi Lamkhioued, Eva Chatron, Isabelle Danner-Boucher, Emmanuel Eschapaspe, Philippe Lacoste, Thierry Le Poivre, Claire Merveilleux Du Vignaux, Jean François Mornex, Arthur Petat, Adrien Tissot, Vincent Cottin, François Tronc, Segolene Turquier
- PA4991 High CD4/CD8 Ratio prior to Lung Transplantation is Associated with an Increased Risk of Primary Graft Dysfunction at 48 hours**  
Goncalo Ferrao (Prague, Czech Republic), Monika Svorcova, Miray Guney, Libor Fila, Jan Havlin, Robert Lischke, Andrea Zajacova
- PA4992 Correlation between diaphragmatic ultrasound and pulmonary function in patients after double-lung transplantation**  
Weidan Lu (beijing, China), Dandan Guo, Li Zhao, Wenhui Chen
- PA4993 Bilateral lung transplantation in severe chest asymmetry**  
Lorenzo Rosso (Milan, Italy), Paolo Mendogni, Giacomo Grisorio, Alessandro Palleschi, Letizia Corinna Morlacchi, Mario Nosotti
- PA4994 Long-term survival after High-Urgent lung transplantation: a single center analysis**  
Cedric Vanluyten (Leuven, Belgium), Karen Denaux, Dirk Claes, Marijke Peetermans, Joost Wauters, Philippe Meersseman, Greet Hermans, Catherine Ingels, Arne P Neyrinck, Jan Van Slambrouck, Dirk E Van Raemdonck, Hanne Beeckmans, Laurens De Sadeleer, Laurent Godinas, Lieven Dupont, Laurens J Ceulemans, Robin Vos
- PA4995 The Hidden Gem: The Costa Rica Lung Transplant Program**  
Adriana Valverde Zuñiga (Heredia, Costa Rica), Andrea Mata Blanco, Rodrigo Chamorro Castro, Benjamin Ramirez Cisneros, Albert Bolaños Cubillo, Boris De Gracia Otero, Julian Arias Ortiz, Jorge Ramirez Arce, Mayra Vaca Rojas, Alejandra Picado Jimenez, Mariana Garcia Sanchez, Luis Alpizar Castro, Marlene Jimenez Carro, Wadih El Hob Montero, Ronald Chacon Chaves, Marietta Daily Araya, Carolina Zuniga Morales, Joselyn Cisneros Orozco, William Guido Guerrero
- PA4996 Results at 12 years of Lung Transplantation in the Chilean Public Healthcare System.**  
Joel Melo Tanner (Santiago, Chile), Felipe Cayupi, Juan Cuevas, Virginia Linacre, Claudia Sepúlveda
- PA4997 Clinical outcomes for COVID-19 in lung transplant recipients (LTRs): an insight from the early Omicron wave**  
Jaime Andrés Alvarado Castillo (Bogotá (Cundinamarca), Colombia), Björn Frye, Kateryna Gashynova, Ina Hettich, Chará Nténti, Daiana Stolz
- PA4998 Encouraging clinical outcomes of an international lung transplant program in the United Arab Emirates**  
Miriam Michalickova (Abu Dhabi, United Arab Emirates), Said Isse, Fadi Hamed, Yusuf Bayrak, Zaid Zoumot, Vivek Kakar, Andres Obeso, Sandra El Hajj, Richard Acibar, Usman Ahmad
- PA4999 Characteristics and outcomes of intensive care readmissions within first year of lung transplantation: tertiary care center experience and current literature status**  
Abdul Hadi Afzal (Riyadh, Saudi Arabia), Ahmad Aljumaa, Reem Elmokattaf, Jihad Aljumaa, Judy Hejazi, Farooq Pasha
- PA5000 Survival After Lung Transplant for Cystic Fibrosis in Portugal: A Single Center Experience**  
João Paulo Duarte dos Santos Oliveira Rodrigues (Lisboa, Portugal), Maria Marta De Sampaio Nunes Duarte Silva, Matilde Ferreira De Almeida, Filipa Canedo, Dionisio Maia, Paulo Calvinho, Luisa Semedo
- PA5001 Complications and survival in COPD patients undergoing lung transplantation**  
Luis Asencio Monteagudo (Sevilla, Spain), Virginia Almadana Pacheco, Cristina Benito Bernaldez

PS-21

Session 471

12:30 - 14:00

Poster session: Physical activity and exercise in children and adults with respiratory disorders

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

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

Tag(s) : Clinical

Chairs : Astrid Blondeel (Leuven, Belgium), Ana Filipa Machado (Senhora da Hora, Porto, Portugal)

- PA5002 Patterns of physical activity during pulmonary rehabilitation (PR) in people with COPD**  
Joshua Bishop (Balmain, Australia), Lissa Spencer, Tiffany Dwyer, Zoe Mckeough, Amanda Mcanulty, Sonia Cheng, Jennifer Alison
- PA5003 Determinant factors of sedentary time in individuals with COPD**  
Fabio De Oliveira Pitta (Londrina, Brazil), Thais M. Tofoli, Lais Santin, Leticia Medeiros, Isabella O. Garcia, Humberto Silva, Carlos A. Camillo, Karina C. Furlanetto, Nidia A. Hernandez

<b>PA5004</b>	<b>Association between physical activity and symptoms in the daily lives of patients with COPD: a study using ecological momentary assessment</b> Banchia Palmen (Horn, Netherlands), Maarten Van Herck, Yvonne M.J. Goërtz, Zjala Ebadi, Qichen Deng, Melissa S.Y. Thong, Chris Burtin, Jeannette B. Peters, Roy T.M. Sprooten, Erik W.M.A. Bischoff, Emiel F.M. Wouters, Mirjam A.G. Sprangers, Jan H. Vercoulen, Sarah Houben-Wilke, Anouk W. Vaes, Daisy J.A. Janssen, Martijn A. Spruit
<b>PA5005</b>	<b>Interventions to promote physical activity and reduce sedentary behaviour in COPD: systematic review of methodologies</b> Nádia Hipólito (Leiria, Portugal), Sara Pimenta, Jorge Encantado, Joana Cruz
<b>PA5006</b>	<b>Change in physical activity outcomes versus global rating of change scale</b> Astrid Blondeel (Leuven, Belgium), Fien Hermans, Marieke Wuyts, Sofie Breuls, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters
<b>PA5007</b>	<b>Effects of aerobic training versus behavioral intervention to improve clinical control in patients with asthma: a RCT</b> David Halen Araújo Pinheiro (São Paulo, Brazil), Fabiano Francisco De Lima, Ronaldo Aparecido Da Silva, Vitoria Zacarias Cervera, Yan Anderson Pires De Oliveira, Juliana De Melo Batista Dos Santos, Alfredo José Da Fonseca, Regina Maria Carvalho-Pinto, Celso. R. F. Carvalho
<b>PA5008</b>	<b>Is the motivational regulation for exercise associated with disease severity and current exercise capacity after exacerbation of chronic obstructive pulmonary disease (ECOPD)? Preliminary results</b> Debora Mayumi de Oliveira Kawakami (Sao Carlos, Brazil), Manuela Karloh, Gustavo Henrique Guimarães Araújo, Maria Gabriela Colucci, Valéria Amorim Pires Di Lorenzo, Cleicy Lorrane Fernandes Da Silva, Julia Sallum Mansano, Renata Gonçalves Mendes
<b>PA5009</b>	<b>Feasibility of physical activity telecoaching after surgery in patients with NSCLC</b> Sarah Haesevoets (Diepenbeek, Belgium), Eva Arents, Dries Cops, Kirsten Quadflieg, Fien Hermans, Maarten Criel, David Ruttens, Karin Pat, Dieter Stevens, Veerle Surmont, Eric Derom, Chris Burtin, Heleen Demeyer
<b>PA5010</b>	<b>The association between the one-minute sit-to-stand test and physical activity in patients with COPD following pulmonary rehabilitation</b> Paulien Mellaerts (Leuven, Belgium), Heleen Demeyer, Tim Vanhoutte, Astrid Blondeel, Sofie Breuls, Marieke Wuyts, Iris Coosemans, Lode Claes, Nele Vandenbergh, Kaat Beckers, Stephanie Everaerts, Wim Janssens, Thierry Troosters
<b>PA5011</b>	<b>Physical activity and asthma clinical control: how many steps per day are necessary?</b> Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Fabiano de Lima, David Pinheiro, Juliana Dos Santos, Adriana Lunardi, Joice De Oliveira, Patrícia Freitas, Fabiana Kim, Rosana Agondi, Regina Carvalho-Pinto, Karina Furlanetto
<b>PA5012</b>	<b>More social support for physical activity improves functional capacity in children with cystic fibrosis</b> Seda Saka (Istanbul, Turkey), Vildan Bayraktaroglu, Zeynep Selçuk, Erkan Çakır
<b>PA5013</b>	<b>PR Plus+: Maintenance programmes following Pulmonary Rehabilitation: The patient perspective</b> Roisin Cahalan (Limerick (Co Limerick), Ireland), Niamh Coffey, Lauren Kennedy, Maire Curran, Brian Fitzgibbon
<b>PA5014</b>	<b>Oxygen consumption physical activity and fatigue in patients with pulmonary involvement post-COVID-19: A cross-sectional study</b> Ece Baytok (Ankara, Turkey), Başak Kavalcı Kol, Nilgün Yılmaz Demirci, Meral Boşnak Güçlü
<b>PA5015</b>	<b>People post-COVID-19 experience long-term decline in physical activity</b> Nicola Sante Diciolla (Madrid, Spain), Alda Marques, Ana Jiménez-Martín, Sara García-De Villa, María Torres-Lacomba, María José Yuste-Sánchez
<b>PA5016</b>	<b>Characteristics of responders in a behavioral intervention to increase physical activity in asthma: a prospective pragmatic study</b> David Halen Araújo Pinheiro (São Paulo, Brazil), Fabiano de Lima, Juliana Dos Santos, Yan De Oliveira, Adriana Lunardi, João De Souza, Pedro Giavina-bianchi, Rosana Agondi, Regina Carvalho-Pinto, Celso Carvalho
<b>PA5017</b>	<b>Upper extremity exercise capacity muscle oxygenization balance and physical activity in patients with cystic fibrosis</b> Betül Yoleri (Ankara, Turkey), Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Meral Boşnak Güçlü
<b>PA5018</b>	<b>Adherence to exercise: self-reported motivation and symptoms during cancer treatment should be considered in people with lung, head or neck cancer</b> Isis Grigoletto (Presidente Prudente, São Paulo, Brazil), Matheus Predoso, Karina Pozo, Paloma Borges, Leticia Vilas Boas De Oliveira, Sarah Helena Cristina Da Silva Martins, Livia Maria Regio Dos Santos, Giovana Miranda Ribeiro, Carlos Augusto Marçal Camillo, Vinicius Cavalheri, Ercy Mara Cipulo Ramos
<b>PA5019</b>	<b>Activities of daily living and related factors in patients with severe COPD</b> Seda Saka (Istanbul, Turkey), Hulya Nilgun Gurses, Fatmanur Okyaltrik

**PA5020** **The Effect of Single-Leg Exercises on Pulmonary Function, Fatigue and Dyspnea in Patients with COPD: Systematic Review**  
Alper Kemal Gürbüz (Kirikkale, Turkey), Aynur Demirel

**PA5021** **Practical recommendations for exercise training in long COVID with or without post-exertional malaise – A best practice proposal**  
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Ralf Zwick, Ulrich Führlinger, Tessa Schneeberger, Daniela Leitl, Inga Jarosch, Uta Behrends, Carmen Scheibenbogen, Rembert Koczulla

PS-22

Session 472

12:30 - 14:00

Poster session: Functional respiratory physiotherapy assessment in respiratory disease

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

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

Tag(s) : Clinical

Chairs : Annemarie Lee (Melbourne (VIC), Australia), Simone Pancera (Milan, Italy)

**PA5022** **The impact of iLiFE on informal carers of people with ILD**  
Cátia Paixão (Aveiro, Portugal), Bárbara Costa, João Chagas, Dina Brooks, Alda Marques

**PA5023** **Association Between Functional Tests and Mortality in Patients with Interstitial Lung Disease**  
Carlos Augusto Camillo (Londrina (PR), Brazil), Humberto Silva, Heloise Angelico Pimpão, Larissa Dragonetti Bertin, Gabriela Garcia Krinski, Fabio Pitta

**PA5024** **IS IT POSSIBLE TO IDENTIFY A PHENOTYPE OF ILD PATIENTS WITH A HIGHER RISK OF MORTALITY?**  
Carlos Augusto Camillo (Londrina (PR), Brazil), Gabriela Garcia Krinski, Heloise Angelico Pimpão, Larissa Dragonetti Bertin, Humberto Silva, Leonardo De Marchi Lunardelli, Geovana Alves Do Prado, Fabio Pitta

**PA5025** **Clinical Significance of 30-Second Sit-to-Stand Test in Patients with Idiopathic Pulmonary Fibrosis**  
Özge Ertan Harputlu (Istanbul, Turkey), Buket Akinci, Gökşen Kuran Aslan, Melike Sarıtaş Arslan, Gülfer Okumus

**PA5026** **Frailty& muscle mass loss prevalence in patients with diffuse parenchymal lung diseases and its effect on mortality: a systematic review**  
Irem Seleoglu (Ankara, Turkey), Aynur Demirel

**PA5027** **A preliminary study on the effects of neuromuscular electrical stimulation in idiopathic pulmonary fibrosis**  
Özge Ertan Harputlu (Istanbul, Turkey), Buket Barutçu Akinci, Goksen Kuran Aslan, Melike Saritas Aslan, Nigar Gulfer Okumus

**PA5028** **The Relationship Between Functional Capacity, Muscle Strength and Kinesiophobia in Patients with Idiopathic Pulmonary Fibrosis**  
BILGE GÖRE (ANKARA, Turkey), Oguz Karcioğlu, Aynur Demirel

**PA5029** **Comparison of muscle oxygenation, dyspnea, oxygen uptake and energy expenditure during upper and lower limb cardiopulmonary exercise test in patients with ILD**  
Beyza Nur Öymeş (Ankara, Turkey), Meral Boşnak Güçlü, Nilgun Yılmaz Demirci

**PA5030** **The impact of an AECOPD on functional performance**  
Fien Hermans (Gent, Belgium), Eva Arents, Astrid Blondeel, Marieke Wuyts, Thierry Troosters, Nina Cardinaels, Eric Derom, Heleen Demeyer

**PA5031** **Frailty in adults hospitalised due to acute exacerbation of chronic lung disease: a comparison of assessment methods.**  
Christian Osadnik (Melbourne, Australia), Jared Chan, Carla Gordon, Winnie Deng, Jessica Lam, Jiyoung Jung

**PA5032** **Evaluation of falls in recurrent COPD fallers: a cross-sectional and follow-up study**  
Barbara Alcantara Verri (Sao Jose dos Campos, Brazil), Caroline Maschio de Censo, Viviane V. Passini, Regina M. Carvalho-Pinto, Rafaella F. Xavier, Geraldo Lorenzi-Filho, Celso R.F. Carvalho

**PA5033** **Association between lung function with postural balance and falls in individuals with moderate to very severe COPD: a cross sectional study and follow up**  
Barbara Alcantara Verri (Sao Jose dos Campos, Brazil), Caroline M. Censo, Juliana M. B. Santos, Rafaella F. Xavier, João M. Salge, Regina M. Carvalho-Pinto, Celso R.F. Carvalho

**PA5034** **Different fiber-specific expression of protein synthesis and oxidative metabolism in skeletal muscle of COPD and healthy aged individuals**  
Luis Penailillo (Providencia, Chile), Cristian Campos, Sebastian Gutierrez, Denisse Valladares-Ide, Sebastian Jannas-Vela, Marcelo Flores-Opazo, Claudio Cabello-Verrugio, Pilar Parada, Laura Mendoza, Mauricio Jalon, Ingrid Nuñez

- PA5035** **Reproducibility of three six-minute walk tests in COPD patients referred for pulmonary rehabilitation**  
Jeannet Delbressine (Horn, Netherlands), Anouk V. Vaes, Wieteke A.M. Stoop, Dirk Van Ranst, Martijn A. Spruit, Alex J. Van 'T Hul
- PA5036** **Examination of Factors Associated with Fatigue in COPD Patients**  
Büsra Turgut (Izmir, Turkey), Ilknur Naz Gürsan, Nuray Sarıcaoglu
- PA5037** **Comparison between standard 6 minutes field walk test and walking pad for functional evaluation in patients with chronic lung disease**  
Nuwara Pornawalai (Nonthaburi, Thailand), Amornpun Wongkamjana
- PA5038** **Short- and long-term reliability of the 1-minute sit-to-stand test in patients with COPD.**  
William Poncin (Bruxelles, Belgium), Hang Nguyen Thi Thu, Bao Le Khac
- PA5039** **Psychometric properties of the 1-sit-to-stand test in pulmonary hypertension**  
Vanessa Resqueti (Natal (RN), Brazil), Natália Cardoso, Ilsa Priscila Santos, Joceline Sá, Anna Beatriz Fontes, Lariza Costa, Rodrigo Torres-Castro, Isabel Blanco, Guilherme Fregonezi
- PA5040** **Gait analysis in patients with chronic obstructive pulmonary disease**  
Hidaye YAMIKAN (ANKARA, Turkey), Nihat Ozgoren, Serdar Aritan, Oguz Karcioğlu, Aynur Demirel
- PA5041** **Cardiorespiratory response of the incremental step test in people with chronic obstructive pulmonary disease**  
Ana Leonor Cardoso (Lisbon, Portugal), Fátima Rodrigues, Cátia Caneiras, António Mesquita Montes, Rui Vilarinho

PS-23

Session 473

12:30 - 14:00

## Poster session: Diagnostic challenges in tuberculosis

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Interstitial lung diseases** **Thoracic oncology**

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

Tag(s) : Clinical

Chairs : Onn Min Kon (London, United Kingdom), Harish Mahender (Chennai (Tamil Nadu), India)

- PA5042** **Validation of machine learning algorithms for differentiating tuberculous from malignant pleural effusion.**  
Srinivasa Ikswaja Chelluri (Pune, India), Amarnath Prasad, Jason Singh Johal, Saurabh Sharma, Siddhartha Kakani, Medha D Bargaje
- PA5043** **Complement component C1q as a novel biomarker in diagnosing Tubercular Pleural Effusion – an Observational Comparative Study.**  
VENKAT RAJ G (VARANASI, India), Deepak Shah, Munish Gupta
- PA5044** **Diagnostic accuracy of adenosine deaminase in GeneXpert positive tuberculosis pleural effusion.**  
Zulfiqar Ali Detho (Karachi, Pakistan), Faisal Faiyaz Zuberi
- PA5045** **Use of Lateral Flow pleural fluid Lipoarabinomannan assay on the differential diagnosis of pleural tuberculosis.**  
Mariana Rufino (Rio de Janeiro, Brazil), Samara Coelho, Thiago Mafort, Rogério Rufino, Ana Paula Dos Santos, Luciana Rodrigues
- PA5046** **The role of pleural biopsy in the diagnosis of pleural tuberculosis.**  
Luis Alexandre Duarte Mateus (Lisboa, Portugal), Sofia Pimentel, Sofia Fontão, Maria Cavaco, André Nunes, Ricardo Cordeiro, Carina Silvestre, Joana Ferra, Daniel Duarte, Teresa Falcão
- PA5047** **Retrospective study investigating the utility of pleural fluid ADA in diagnosing pleural TB**  
Osman Hatem (London, United Kingdom), Meera Mehta, Ben Hopwood, Clare Ross, Rudy Sinharay, Carl Reynolds, Onn Min Kon, Mirae Park
- PA5048** **Predictive Factors for Tuberculous Peripheral Pulmonary Lesions During Radial Endobronchial Ultrasound in Tuberculous-Endemic Region**  
Sze Shyang Kho (Kuching (Sarawak), Malaysia), Swee Kim Chan, Chan Sin Chai, Siew Teck Tie
- PA5049** **Endobronchial tuberculosis: Bronchoscopic features and microbiological correlation**  
John Muchahary (Shillong, India), Vijay Noel Nongpiur, Pranjal Kalita, Neeta Gogoi
- PA5050** **Features of colposcopy in patients with various forms of pulmonary tuberculosis**  
Marufdjon Yuldashev (Tashkent, Uzbekistan), Nargiza Parpieva, Shaxnoza Zufarova
- PA5051** **Effect of Corticosteroids in Tubercular Pleural Effusion- A Randomised control trial**  
Prachi Gupta (Delhi, India)



<b>PA5052</b>	<b>Role of ROSE during EBUS-TBNA in improving the microbiological yield in suspected mediastinal TB lymphadenopathy, a UK multi-centre cohort study.</b> Osman Hatem (London, United Kingdom), Mirae Park, Jadranka Vidak, Geeja Srilal, Joan Nanna, Beatriz Tomas-Cordero, Meg Coleman, Laura Martin, Kavina Manalan, Giovanni Satta, Arnab Datta, Ashley Whittington, Sabhya Khan, Kalia Parul, Michael Loebinger, Helen Burgess, Lianne Castle, Heinke Kunst, Ronan Breen, Anne Dunleavy, Mohammed Munavvar, Marc Lipman, Thomas Gorsuch, Pranabashis Haldar, Onn Min Kon
<b>PA5053</b>	<b>Delayed diagnosis and treatment in patients with Tuberculous Meningitis</b> Edward Lau (London, United Kingdom), Prasheena Naran, Alasdair Frater, Oscar Herrera, Akanksha Mimi Malhotra, Veronica White, Curtis Offiah, Heinke Kunst
<b>PA5054</b>	<b>Diagnostic barriers in gastrointestinal tuberculosis</b> Alasdair Frater (London, United Kingdom), Stephen Joseph, Amina Jama, Susan Dart, Prasheena Naran, Nicola Smallcombe, Akanksha Mimi Malhotra, Veronica White, Heinke Kunst
<b>PA5055</b>	<b>Interventional bronchoscopy in patients with endobronchial tuberculosis - a single center review</b> Hiroshi Handa (Kawasaki, Japan), Satoshi Tanaka, Kei Morikawa, Hiroki Nishine, Masamichi Mineshita
<b>PA5056</b>	<b>Factors determining the diagnostic delay of microscopy-positive pulmonary tuberculosis in the city of Agadir</b> Aboubekr Imzil (Agadir, Morocco), Abdelmajid Oulahbib, Salma Abdala, Hind Serhane
<b>PA5057</b>	<b>Yield of EBUS-TBNA in the diagnosis of mediastinal tuberculous lymphadenopathy</b> John Muchahary (Shillong, India), Vijay Noel Nongpiur, W. Valarie Lyngdoh, Pranjal Kalita
<b>PA5058</b>	<b>Tuberculous pleurisy and pregnancy</b> khadija miftah (CASABLANCA, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine
<b>PA5059</b>	<b>NON-TUBERCULOUS MYCOBACTERIA IN THE ELDERLY</b> Imanol Gonzalez Muñoz (Barakaldo, Spain), Jone Solorzano Egurbide, Edurne Echevarria Guerrero, Laura Cortezon Garces, Teresa Bretos Dorronsoro, Carlos Caldera Fernandez, Borja Santos Zorrozuza, M Victoria Leal Arranz, Julia Amaranta Garcia Fuentes, Lander Altube Urrengoechea, Eva Maria Taberner Huguet
<b>PA5060</b>	<b>Clinical characteristics of patients with interstitial lung disease complicated by pulmonary Mycobacterium avium complex disease</b> Masayuki Watanabe (Yokohama-city, Japan), Eri Hagiwara, Shinobu Sagawa, Tatsuya Muraoka, Satoshi Ikeda, Ryo Okuda, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Takashi Ogura
<b>PA5061</b>	<b>Tuberculosis pneumothorax: Prognostic factors for unfavorable outcome</b> Zaineb Ghizaoui (ariana, Tunisia), Amani Ben Mansour, Soumaya Ben Saad, Azza Slim, Hafaoua Daghfous, Fatma Tritar
<b>PS-24</b>	<b>Session 474</b> <span style="float: right;"><b>12:30 - 14:00</b></span>
<b>Poster session: Learning from observational studies in respiratory infection</b>	
<b>Disease(s) :</b> Respiratory critical care Airway diseases	
<b>Method(s) :</b> Respiratory intensive care Epidemiology Public health General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Pulmonary function testing Imaging	
<b>Tag(s) :</b> Clinical	
<b>Chairs :</b> Bin Cao (Beijing, China), Anna Freeman (Southampton, United Kingdom)	
<b>PA5062</b>	<b>Study of impact of pneumococcal vaccine in hospitalised community acquired pneumococcal pneumonia cases: A single center experience</b> Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhaya Tak, Abdul Wahab Mirza, Arpit Johar, Gurmaiher Singh Thethi
<b>PA5063</b>	<b>Diagnostic yield of BAL vs. non-invasive analysis in patients with CAP</b> Samuel Etienne (Basel, Switzerland), Werner Albrich, Mathias Pletz, Marcus Panning, Vivian Suarez Domenech, Frank Eberhardt, Grit Barten-Neiner, Daiana Stolz
<b>PA5064</b>	<b>Risk Factors on Multiple Drug-Resistant Organisms Infection in Patients with Nosocomial Pneumonia and Prognosis Assessment: A National-wide, Multi-center, Large Population, Retrospective Nested Case-control Study</b> Zhenchao Wu (Beijing, China), Beibei Liu, Bei He, Jieming Qu, Ning Shen, Thoracic Society Pulmonary Infection Assembly Chinese
<b>PA5065</b>	<b>Characterising interferon responses in bronchiectasis patients in the EMBARC-BRIDGE study</b> Claire Baker (Dundee, United Kingdom), Lidia Perea, Morven K Shuttleworth, Jennifer Pollock, Chloe Hughes, Michal Shteinberg, Stefano Aliberti, Sanjay Chotirmall, Eva Polverino, Pieter Goeminne, Natalie Lorent, Felix Ringshausen, Rosa Faner, Oriol Sibila, Amelia Shoemark, Merete B Long, James D Chalmers

- PA5066 Clinical characteristics and outcomes of empyema thoracis amongst patients with diabetes mellitus**  
Kevin Shu-Leung Lai (Taipei, Taiwan), Kai-Ling Lee
- 
- PA5067 Infection with Staphylococcus aureus in patients with bronchiectasis: data from the EMBARC registry**  
Jessica Rademacher (Hannover, Germany), Eva Polverino, Felix C. Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pierre Régis Burgel, Charles S. Haworth, Michael R. Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam T Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, J Stuart Elborn, Peter Goeminne, Stefano Aliberti, James D Chalmers
- 
- PA5068 External validation of risk scores for the outcome of COVID-19 on a 2-year Swiss cohort – A retrospective study**  
Maria Boesing (Liestal, Switzerland), Giorgia Lüthi-Corridori, David Büttiker, Mireille Hunziker, Fabienne Jaun, Ugne Vaskyte, Michael Brändle, Jörg Leuppi
- 
- PA5069 Inflammatory and cardiac phenotypes are predictors for complications and outcomes in hospitalized covid-19 patients**  
Catia Cilloniz Campos (Barcelona, Spain), Nonna Rovira, Ruben Lopez-Aladid, Ana Motos, Josep Lluís Bedini, Alba Soler-Comas, Sara Granero, Roberto Cabrera, Kasra Kiarostami, Blanca Llonch, Ignacio Español, Laia Fernandez-Barat, Antoni Torres
- 
- PA5070 The association between inspiratory muscle strength and walking performance among people with post covid-19 condition; an observational study.**  
Ilse Maltha (Joure, Netherlands), Jolanda Kuijvenhoven, Erwin Koster, Sander Perry
- 
- PA5071 Impact of Non-Influenza Respiratory Viruses on Emergency Department Utilization and Hospitalization**  
Daijiro Nabeya (Okinawa, Japan), Takeshi Kinjo, Wakako Arakaki, Nanae Ikemiyagi, Naoya Nishiyama, Shuhei Ideguchi, Hideta Nakamura, Makoto Furugen, Kazuya Miyagi, Tomoo Kishaba, Kazuko Yamamoto
- 
- PA5072 Proportion of non-ventilator associated Hospital Acquired Pneumonia associated with sepsis**  
Laura Pilling (liverpool, United Kingdom), Sakina Ali, Stephen Aston, Daniel Wootton
- 
- PA5073 The impact of an acute respiratory illness virtual ward (ARIVW) on a community respiratory service**  
David Barber (Warrington, United Kingdom), Vanessa Barry, Freddy Frost, Catherine Griffith, Onnor Hampson, Samantha Hayes, Rachel Penfold, Emma Rickards, Sarah Sibley, Dennis Wat
- 
- PA5074 Testing for respiratory syncytial virus (RSV) in Greek adults hospitalized with community-acquired pneumonia (CAP)**  
Paraskevi Katsaounou (Athens, Greece), Adamantia Liapikou, Vasiliki Kossyvaki, John Skiadas, Marios Detsis, Eleftherios Markatis, Damianos Menegas, Cristina Méndez, Claudia Schwarz, Maria Lahuerta, Elizabeth Begier, Bradford D. Gessner, Haralampos Milionis, Vasilios Tsimihodimos, Konstantinos Kostikas, Athanasios Konstantinidis, Konstantinos Exarchos, Dimitrios Potonos, Christos Kittas, Konstantina Gartzonika, Gerasimos Baxevanos, Evaggelia Chrysostomou, Nikolaos Zotos, Lampros Papageorgiou, Charalampos Triantafyllidis, Theodora Argiriadou, Chrysavgi Terrovitou, Daniil Daniilidis, Eleni Tsouchnika, Olga Iakovidou, Michael Toumbis, The Egnatia Study Group
- 
- PA5075 Retrospective analysis of isolated respiratory pathogens spectrum and antimicrobial resistance trends: a single center ten-years follow-up**  
Desa Nastasijević Borovac (Niš, Republic of Serbia), Borislav Božanić, Tatjana Pejčić, Marija Topalović, Aleksandra Stefanović
- 
- PA5076 Changes in the pulmonary surfactant in patients with mild COVID-19**  
Spela Kokelj (Göteborg, Sweden), Per Larsson, Emilia Viklund, Hatice Koca, Hanna Slogén, Lowie Vanfleteren, Bo Nilsson, Karin Fromell, Johan Westin, Anna-Carin Olin
- 
- PA5077 Management of patients with pleural infection in Greece: initial results of the ongoing PRACTICE (PleuRAI InfeCTIon in GreeCE) study**  
THEOFANI RIMPA (Athens, Greece), Foteini Chatzivasiloglou, Electra Koulousousa, Maria Konstantinidou, Eleftherios Doulgarakis, Kyriaki Papadopoulou, Ioanna Filippou, Stefanos Lampadakis, Anna Papasarantou, Nefeli Mouratidou, Argyro Vrovaki, Emmanouil Antonakis, Dimitra Siopi, Garyfallia Perlepe, Thomas Raptakis, Iris Vlachantoni, Marianthi Iliopoulou, Fotios Sampsonas, Dionysios Spyrtatos, Petros Bakakos, Stylianos Loukidis, Ilias Papanikolaou, Konstantinos Gourgoulisanis, Ioannis Kalomenidis, Vasileios Skouras
- 
- PA5078 Clinical effectiveness and safety of simnotrelvir/ritonavir and nirmatrelvir/ritonavir in the treatment of moderate to severe COVID-19 patients**  
Ji Chan Shi (WenZhou, China), Xin Chen, Xiao Qing Lin, Fang Cheng, Shi Lin Zheng, Qiang Zhang, Te Wu
- 
- PA5080 Better post-acute sequelae COVID19 observed in hospitalized COVID19 patients treated with remdesivir**  
Dorottya Fesu (Érd, Hungary), Eniko Barczy, Balazs Csoma, Lorinc Polivka, Gabor Horvath, Szilvia Sebok, Veronika Muller
- 
- PA5081 In-Hospital mortality for immunocompromised patients with SARS-CoV-2 community-acquired pneumonia (CAP)**  
Anna Stainer (Vigevano, Italy), Francesco Amati, Giovanni Sotgiu, Mariangela V Puci, Mattia Nigro, Linda Bussini, Giulia Suigo, Valeri Cento, Michele Bartoletti, Antonio Voza, Stefano Aliberti

PS-25

Session 475

12:30 - 14:00

## Poster session: Developing and assessing treatments for respiratory infection

Disease(s) : **Airway diseases** **Sleep and breathing disorders** **Respiratory critical care**Method(s) : Public health General respiratory patient care Pulmonary function testing Epidemiology Respiratory intensive care  
Pulmonary rehabilitation Cell and molecular biology Imaging

Tag(s) : Translational

Chairs : Sara Bonvini (London, United Kingdom), Martin Witzentrath (Berlin, Germany)

- PA5082** **A RANDOMIZED CONTROLLED TRIAL OF POSACONAZOLE VS LIPOSOMAL AMPHOTERICIN B FOR TREATING PULMONARY MUCORMYCOSIS**  
Avadh Vithlani, Ritesh Agarwal, Shivprakash M R, Sahajal Dhoooria, Inderpaul Singh Sehgal, Prasad K T, Arunaloke Chakrabarti, Valliappan Muthu
- 
- PA5083** **Prognostic implications of cluster analysis in patients with chronic bronchial infection under nebulized antibiotic therapy: A multicentre retrospective cohort study (INBREATHING STUDY)**  
Beatriz Raboso Moreno (Madrid, Spain), Ivan D. Benítez, Carlos Manzano, Sally Santistevé, Marcela Suarez, Aída Monge, Juan Pablo De Torres, Alicia Sayés, Eduardo José García, Ana Belén Alcaide, Javier Burgos, Ane Martínez De Las Fuentes, Joel-Suresh Lakhani, Cristina Pou, Marta Erro, Rosa Abril Castañón, Guillermo Suárez, David De La Rosa, Ferrán Barbé, Jessica González
- 
- PA5084** **Inhaled colistimethate sodium in adult bronchiectasis patients with new asymptomatic Pseudomonas aeruginosa infection– an open-label, proof of concept- randomized controlled trial (ERADICATE)**  
Pontus Mertsch (Munich, Germany), Constanze Maresch, Johannes Johow, Jobst Roehmel, Juergen Behr, Carmen Schade-Brittinger, Jessica Rademacher, Felix Ringshausen
- 
- PA5085** **Impact of saline solution's nebulisation on the biophysical properties of sputum in bronchiectasis**  
Victoria Alcaraz-Serrano (vilafranca del penedes, Spain), Beatriz Herrero-Cortina, Nona Rovira-Ribalta, Antoni Torres, Hector Sanz-Fraile
- 
- PA5086** **Quality of life in adult bronchiectasis treated with long-term High flow therapy**  
Francesca Simioli (Napoli (NA), Italy), Anna Annunziata, Gerardo Langella, Antonietta Coppola, Rosa Cauteruccio, Giuseppe Fiorentino
- 
- PA5087** **Erdosteine inhibits viral infection and modulates innate immunity and stress oxidative state in RSV-infected A549 cell**  
Pierachille Santus (Milano (MI), Italy), Sergio Strizzi, Fiammetta Danzo, Claudia Vanetti, Mara Biasin, Dejan Radovanovic, Daria Trabattoni
- 
- PA5088** **Risk factors for adverse events of trimethoprim-sulfamethoxazole treatment in patients with non-HIV-PCP: a multi-centre, retrospective observational cohort study**  
Reina Idemitsu (Kamogawa, Japan), Tatsuya Nagai, Haruka Fujioka, Yuya Homma, Ayumu Otsuki, Hiroyuki Ito, Kei Nakashima
- 
- PA5089** **Effectiveness of Prolonged Awake Prone Positioning in Preventing Intubation among Less Severely Patients with COVID-19-Related Acute Hypoxemic Respiratory Failure**  
Lietao Wang (Chengdu, China), Xin Fu, Min He, Lvyuan Shi, Dingyuan Wan, Wu Qin, Zhongwei Zhang
- 
- PA5090** **Allicin can effectively treat Aspergillus fumigatus by inhibiting the germination of conidia via oxidative stress.**  
Zhengtu Li (Guangzhou, China), Feng Ye
- 
- PA5091** **Advanced in vitro and ex vivo models provide a suitable platform for the evaluation of antiviral small molecules against human parainfluenza virus 3**  
Fabian Röpken (Hannover, Germany), Philippe Vollmer Barbosa, Stephanie Holt, Franziska Dahlmann, Armin Braun, Larissa Dirr, Ibrahim M. El Deeb, Patrice Guillon, Mark Von Itzstein
- 
- PA5092** **Antiviral RNAi inhalation inhibits human parainfluenza infection ex vivo and in vivo**  
Philippe Vollmer Barbosa (Hannover, Germany), Franziska Dahlmann, Maximilian Schinke, Fabian Röpken, Josi Steinke, Helena Obernolte, Valerie Beneke, Katherina Sewald, Sebastian Hook, Michael Ott, Dirk Schaudien, Katharina Schwarz, Adrian Schwarzer, Axel Schambach, Armin Braun
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- PA5093** **Effect of use of oral antiviral agents on reducing critical illness and mortality for patients with moderate to severe COVID-19**  
Zhao Jun Jin (JiaXing, China), Min Deng, Yi Min Chen, Ming Kai Tong
- 
- PA5094** **Lack of diversity and socioeconomic inclusions in clinical trial protocols for long-term antibiotics in bronchiectasis: a systematic review**  
Natasha Smallwood (Melbourne (VIC), Australia), Freya Berenyi, Amy Pascoe, Jane Roberts

- PA5095** **The comparison of outcomes in community-acquired pneumonia treated azithromycin or doxycycline in combination with beta-lactams: A cohort study**  
Yewande Odeyemi (Washington, United States), Aysun Tekin, Caitlin Schanz, Diana Schreier, Kristin Cole, Ognjen Gajic, Erin Barreto
- PA5096** **Comparison of the effectiveness of Simnoretelvir/Ritonavir and Nirmatrelvir/Ritonavir in the treatment of COVID-19 moderate hospitalized patients with severe high-risk factors**  
Yu Ting Zhang (Hangzhou, China), Jia Ping Gu, Jia Yun Chen, Huan Wang, Ji Yun Zhou, Xiao Qiang Zhang
- PA5097** **Non-invasive ventilation in the management of bronchiectasis**  
Rachel Dexter-Sponcer (Sheffield, United Kingdom), Sriram Iyer, Ari Manuel, Felicity Dickens
- PA5098** **Changes in antibiotic therapy are associated with increased morbidity and mortality in community-acquired pneumonia: Insights from CAPNETZ**  
Julius Kohlhäufel (Frankfurt, Germany), Mathias Pletz, Jan Rupp, Martin Witzenthath, Carla Bellinghausen, Gernot Rohde
- PA5099** **Experience of Eliava Phage Therapy Center in the treatment of respiratory infections**  
Mariam Dadiani (Tbilisi, Georgia), Lia Nadareishvili, Nata Nakaidze, Deia Nizharadze
- PA5100** **Predictive factors of intolerance to nebulized antibiotics. A multicentre retrospective cohort study (Inbreathing study)**  
Carlos Manzano Senra (Lleida, Spain), Beatriz Raboso, Ivan Benitez, Sally Santistevé, Marcela Suárez, Aida Monge, Juan Pablo De Torres, Alicia Sayés, Eduardo José García, Ana Belén Alcaine, Javier Burgos, Ane Martínez De Las Fuentes, Joel Suresh-Lakhani, Cristina Pou, Marta Erro, Rosa Abril Castañón, Guillermo Suarez, David De La Rosa, Ferrán Barbé, Jessica González

PS-26

Session 476

12:30 - 14:00

Poster session: Understanding the clinical burden and important outcomes of respiratory infection

Disease(s) : **Airway diseases**

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

Tag(s) : Clinical

Chairs : Martha Purcell (Southampton, United Kingdom), Maarten Postma (Groningen, Netherlands)

- PA5102** **Streptococcus pneumoniae serotype could determine long-term survival after bacteremic pneumococcal pneumonia**  
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Noelia Carrión Collado, María Remedios Guna Serrano, José Luis Martín Rodríguez, Pablo Giménez Ruiz, Concepción Gimeno Cardona, Estrella Fernández Fabrellas
- PA5103** **The role of resistin in Influenza infection: preliminary results from the INNOVATE study**  
Kateryna Viligorska (Chernivtsi, Ukraine), Zsafia Eke, Holly Lind, Megan Crichton, Clare Clarke, Merete Long, James D Chalmers
- PA5104** **Mortality Risk Scores Performance at 3, 6 and 12-Months in Patients with Community-Acquired Pneumonia**  
Gabriela Guerrón-Gómez (Bogota, Colombia), Alirio Batidas, Eduardo Tuta-Quintero, Daniela Maria Torres Arévalo, Luis Felipe Reyes, Laura Alejandra Garcia Gonzalez, Javier David Villanueva Combe, Camilo Andres Acuña Ochoa, Eathan Mikler Anaya, Juan Sebastian Arcila Perdomo, Nicolas Camilo Chavez Gómez, Allison Daniela Riviera Olaya, Valentina Maldonado Castro, Maria Camila Galindo Ardila, Maria Paula Fernández Gómez, Carolina Schloss Hernández
- PA5105** **Patient reported outcome measures (PROMs) for Spanish adults with bronchiectasis: a systematic review of measurement properties.**  
Beatriz Herrero Cortina (Zaragoza, Spain), YASMINA HAMAM ALCOBER, Cristina Cimarras Otal, Juan Antonio Sáez Perez
- PA5106** **Quality of life in non cystic fibrosis bronchiectasis and prognosis scores**  
Ines moussa (ariana, Tunisia), Mayssa Chariag, Mohamed Rafik Guerfallah, Lenda Ben Hmida, Hana Mrassi, Tarek Cherif, Oumaima Bziouech, Imen Sahnoun, Leila Douik Elgharbi
- PA5107** **Prognostic factors of community-acquired pneumonia in patients with pathological lungs**  
Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub Fehri
- PA5108** **The role of social media in monitoring and predicting influenza cases in Beijing: s time series analysis**  
Chuangsen Fang (Beijing, China), Yanming Li, Bingxuan Weng
- PA5109** **Predictor-driven Dissection of the Post-COVID Syndrome (PCS) Score – A Population-Based Study**  
Sabrina Ballhausen (Börm, Germany), A. Russ, W. Lieb, A. Horn, L. Krist, J. Fricke, C. Scheibenbogen, K.F. Rabe, W. Maetzler, C. Maetzler, M. Laudien, D. Frank, J. Heyckendorf, O. Miljukov, K. G. Haeusler, N. E. El Mokthari, M. Witzenthath, J.J. Vehreschild, K.S. Appel, I. Chaplinskaya-Sobol, T. Tamminga, C. Nürnberger, L. Schmidbauer, C. Morbach, S. Störk, J.P. Reese, T. Keil, P. Heuschmann, S. Schreiber, M. Krawczak, T. Bahmer

- PA5110** **Evaluating a novel predictive tool for respiratory infection outbreaks in real life.**  
Erasmia Rouka (Larissa, Greece), Eleni Rousogianni, Garifallia eirini Perlepe, Eleftherios Meletis, Stylianos Boutlas, Irene Poulakida, Georgia Rapti, Evdoxia Gouta, Eleni Mpaltopoulou, Giorgos Mpaltopoulos, Rubee Risdiyanto, Dimitrios Papagiannis, Polychronis Kostoulas, Konstantinos I Gourgoulianis
- PA5111** **Correlating Reiff Scores with Clinical, Functional, and Prognostic Factors: Characterizing Non-Cystic Fibrosis Bronchiectasis Severity - Validation from a Nationwide Multicenter Study in Taiwan**  
Wen-Chien Cheng (Taichung, Taiwan), Wu-Huei Hsu, Hao-Chien Wang, Shih-Lung Cheng, Horng-Chyuan Lin, Jung-Yien Chien, Chau-Chyun Sheu, Chia-Ling Chang, Chung-Kan Peng, Ming-Cheng Chan, Yu-Feng Wei, Tsung-Ming Yang, Chou-Chin Lan, Cheng-Yi Wang, Chih-Bin Lin, Ming-Shian Lin, Yao-Tung Wang, Ching-Hsiung Lin, Shih-Feng Liu
- PA5112** **Characteristics and outcomes of RSV and Influenza hospitalized patients**  
Georgios-Ioannis Poupouzas (Athens, Greece), Theocharis Georgiadis, Georgia Athanasopoulou, Nikolaos Athanasiou, Kiriaki Ranellou, Marios Ioannou, Eleftheria Mizi, Niki Gianniou, Andreas Asimakos, Dimitra Gkola, Eleni Litsiou, Evangelos Balis, Konstantinos Kotsifas, Ioanna Dimopoulou, Vasileios Papastamopoulos, Athina Argyropoulou, Paraskevi Katsaounou
- PA5113** **Comparison of pneumonia and sepsis risks between enzalutamide and abiraterone in patients with prostate cancer**  
Gary Tse (Homantin, China), Athena Lee, Jeffrey Chan, Chi Ho Leung, Alex Liu, Edward Dee, Kenrick Ng, David Leung, Chi Fai Leung
- PA5114** **AI-driven insights: Exploring barriers and facilitators in Long COVID follow-up study on patients discharged alive from ICUs in Pakistan.**  
Shireen Shah (Karachi, Pakistan), Madiha Hashmi, Arishay Hussaini
- PA5115** **Comparison of Pneumonia Severity Index and CURB-65 Score with Laboratory Parameters in Predicting In-Hospital Mortality for Community Acquired Pneumonia**  
Fatih Uzer (Antalya, Turkey), Aliye Gamze Calis, Burcu Karaboga, Nermin Kaplan, Rojan Baris Gedik, Ahmet Alper Durmus
- PA5116** **Incidence and risk factors of serious infections occurred in lung cancer patients following immune checkpoint blockade therapy**  
Jing Zhang (Shanghai (Xuhui District), China), Xiao Wang, Yu-Xiao Wu, Wu-Ping Hu
- PA5117** **Patient's perspective following management of pleural infection at Oxford University Hospitals NHS Foundation Trust.**  
Alguili Elsheikh (Oxford, United Kingdom), Dinesh Adadala, Anand Sundaralingam, Beenish Iqbal, Wuimei Chew, Rob Hallifax, John Wrightson, Najib Rahman
- PA5118** **Pleural infection presentation and timeline of events: Real-world data from a tertiary hospital in the UK**  
Sonia Mannan (Stoke-On-Trent, United Kingdom), Tayyab Waseem, Nabeel Safwan, Muhammad Ganaie
- PA5119** **A comparison of clinical and laboratory characteristics in hospitalised adults with and without respiratory viral infection (RVI).**  
Martha Purcell (Southampton, United Kingdom), Tommaso Morelli, Olivia Cox, Paul Lee, Kerensa Thorne, Charlie A K Roberts, Angelica Cazaly, William Herbert, Emma Tilt, Emma Knox, Alexander Allen, Jacqueline Nuttall, Monika Gil, Matthew Pavitt, James Myerson, Stefan Marciniak, Neil Greening, Michael Crooks, Salman Siddiqui, Cyrus Daneshvar, Tristan Clark, Anna Freeman, Tom Wilkinson
- PA5120** **Disease severity of hospitalised COVID-19 patients during the different phases of the pandemic in a primary teaching hospital in Germany**  
Johanna Huntemann (Coburg, Germany), Silvio Heinig, Timm Lemcke, Claus Steppert

PS-27

Session 477

12:30 - 14:00

## Poster session: Real-word clinical data in lung cancer

Disease(s) : Thoracic oncology Airway diseases

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

Tag(s) : Clinical

Chairs : Andriani Charpidou (Athens, Greece), Armin Frille (Leipzig, Germany)

- PA5121** **Efficacy and safety of concurrent chemoradiotherapy with carboplatin and nanoparticle albumin-bound paclitaxel.**  
Osamu Kanai (Kyoto, Japan), Takanori Ito, Zentarō Saito, Takuma Imakita, Issei Oi, Yuki Yamamoto, Kohei Fujita, Kiminobu Tanizawa



PA5122	<b>A real-world prospective study of nivolumab (NIVO) in patients (pts) with pretreated advanced non-small cell lung cancer (aNSCLC) in Greece and Cyprus – Interim analysis results of LUCENCE study</b> Andriani Charpidou (Athens, Greece), Maria Mani, Sofia Lampaki, Lambrini Stournara, Athanasios Kotsakis, Epameinodas Samantas, Violeta Grammatikou, Nikolaos Kentepozidis, Anna Koumarianou, Konstantinos Syrigos
PA5123	<b>Quality of Life in Patients with Advanced Non-Small-Cell Lung Cancer: A Prospective real-world study</b> Elise M. Beijert (Leeuwarden, Netherlands), Rolof G P Gijtenbeek, Kim De Jong, Wouter H. Van Geffen
PA5124	<b>Real-world efficacy and safety analysis on three-day continuous intravenous pump infusion of endostar combination therapy for advanced NSCLC</b> Min Zhang (Shanghai, China), Guogang Xie, Xue Zhang, Wuping Bao, Aihua Bao, Yan Zhou, Yingying Zhang
PA5125	<b>Gender Disparities in ICI Therapy: Lung Cancer Patients' Varied Immune Responses</b> Blerina Resuli (Munich, Germany), Julia Walter, Diego Kauffmann-Guererro, Pontus Mertsch, Jürgen Behr, Amanda Tufman
PA5126	<b>Checkpoint Inhibitor-Induced Pneumonitis in Lung Cancer</b> Qutaiba Shudayfat (Cambridge, United Kingdom), Theresia Mikolasch, James Nathan
PA5127	<b>Accuracy of radiological assessment of nodal involvement in lung cancer</b> Kennedy Edwards (SHEFFIELD, United Kingdom), Craig Mccrossan, Christopher Johns, Sriram Iyer
PA5128	<b>D-Dimer Levels in Lung Adenocarcinoma as a predictor of Chemotherapy Response Based on RECIST</b> Andreas Infianto (Bandar Lampung, Lampung, Indonesia), Retno Ariza Soemarwoto, Indri Windarti, Elman Dani Firdaus
PA5129	<b>A study on the impact of antibiotics on the efficacy and prognosis of advanced lung cancer patients undergoing immune checkpoint inhibitor therapy</b> Yufang Xie (Chengdu, China)
PA5130	<b>Challenges in the management of oligometastatic lung cancer</b> Nidhal Belloumi (la soukra, Tunisia), Hammouda Naziha, Jabberi Manel, Hbouria Chaima, Bellara Roumaissa, Akrimi Nada, Belmufti Hiba, Bachouch Imene, Chermiti Fatma, Fenniche Soraya
PA5131	<b>Lymphocyte changes in peripheral blood of metastatic non-small cell lung cancer patients receiving cryotherapy and immunotherapy</b> Gediminas Vasiliauskas (Kaunas, Lithuania), Evelina Sabeckytė, Erika Skrodenienė, Lina Poškienė, Marius Žemaitis
PA5132	<b>Establishment and validation of prognostic nomograms for patients suffering from metastatic pulmonary large cell neuroendocrine carcinoma</b> Xiaoyun Chen (Fuzhou, China), Yedong Huang, Chaosheng Deng
PA5133	<b>Quality of Life in Long-Term Survivors with advanced EGFR-Mutated NSCLC</b> Rolof G.P. Gijtenbeek (Leeuwarden, Netherlands), Maria Bijlsma, Ronald A.M. Damhuis, Anthonie J. Van Der Wekken, Mariken E. Stegmann, Anne-Marije Buiters, Bennie H. Reitsma, Jeske A. Staal-Van Brekel, Harry J.M. Groen, Wouter H. Van Geffen
PA5134	<b>Don't tar them all with the same brush: different grades of visceral pleura invasion in resectable lung adenocarcinomas correlates with aggressive behavior and poor prognostic outcomes.</b> Stylianios Korasidis (Pisa (PI), Italy), Diana Bacchin, Andrea Castaldi, Maria Giovanna Mastromarino, Vittorio Aprile, Marcello Carlo Ambrogi, Marco Lucchi
PA5135	<b>CPET vs PFTs for lung cancer surgery: which is a better indicator of pre-surgical functional status?</b> Thomas Simon FitzMaurice (Liverpool, United Kingdom), Scott Hawkes, Paul Lang, Sam Town, Julius Asante-Siaw, Emily Hoodless
PA5136	<b>Characteristics of NSCLC patients: predictors of 5-year survival from a nationwide cohort study</b> Anja Gouliaev (Viby J, Denmark), Torben Riis Rasmussen, Niels Lyhne Christensen
PA5137	<b>Alectinib versus crizotinib as first-line treatment in patients with advanced ALK-mutated non-small cell lung cancer: a Chinese, real-world cohort study</b> Haoran Zhang (Peking, China), Zhaozhen Wu, Dongming Zhang, Jia Liu, Tao Lu, Yuequan Shi, Xiaoxing Gao, Xiaoyan Liu, Xiaoyi Feng, Xiaobei Guo, Siyuan Yu, Minjiang Chen, Jing Zhao, Wei Zhong, Yan Xu, Ying Hu, Mengzhao Wang
PA5138	<b>The impact of dietary selenium on all-cause mortality in lung cancer: insights from the national health and nutrition examination survey</b> Chih-Hao Chang (Taoyuan, Taiwan), Min-Chun Chuang, Chung-Shu Li, Shih-Houg Lee, Chi-Hou Chang
PA5139	<b>A meta-analysis on neoadjuvant immunotherapy in stage III-IVa (oligometastatic) non-small cell lung cancer</b> Xiaojie Yang (Fuzhou (Fujian), China), Qing Li, Tianxing Guo, Yusheng Chen, Qiongyao Zhang, Hongru Li

- PA5140** **Does the time of tobacco cessation influence the characteristics of lung cancer?**  
Iñigo García-Peñuela Arrechea (Becerril De La Sierra, Spain), Beatriz Morales Chacon, Medardo Montenegro Villavicencio, Jorge García Aragón, Elena Fernández Martín, María José Bernabé Barrios, Fernando Peláez Castro, Maria Asuncion Nieto Barbero

PS-28

Session 478

12:30 - 14:00

## Poster session: Managing pulmonary fibrosis around the world

Disease(s) : [Interstitial lung diseases](#) [Pulmonary vascular diseases](#) [Respiratory critical care](#) [Thoracic oncology](#)Method(s) : General respiratory patient care Palliative care Physiology Pulmonary function testing Pulmonary rehabilitation  
Epidemiology Public health Imaging

Tag(s) : Clinical

Chairs : Nazia Chaudhuri (Limavady, United Kingdom), Tonia Magri (Roma, Italy)

- PA5141** **Role of 'dual Antifibrotic combination' Nintedanib plus Pirfenidone in Idiopathic Pulmonary Fibrosis: A favourable outcome & recommendation to change from monotherapy to combination regimen in a single center experience of 105 IPF cases**  
Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhaya Tak, Abdul Wahab Mirza, Arpit Johar, Gurmaiher Singh Theti

- PA5142** **Comparison of the clinical effectiveness of nintedanib at full and reduced dosage in patients with idiopathic pulmonary fibrosis and progressive non-idiopathic fibrosis**  
Paolo Cameli (Siena (SI), Italy), Marco Guerrieri, Pianigiani Tommaso, Piersalvatore Sirna, Laura Bergantini, Miriana D'Alessandro, Bargagli Elena

- PA5143** **The influence of symptoms on uptake of antifibrotic medication – experience from a UK tertiary Interstitial Lung Disease (ILD) centre**  
Catherine Jennifer Rowan (Leeds, United Kingdom), Trishala Raj, Jessica A. Bradley, Alison C. Boland, Tim J.T. Sutherland, Paul A. Beirne

- PA5144** **Effectiveness of pirfenidone in elderly patients with advanced functional impairment: a real-world study in idiopathic pulmonary fibrosis**  
Stefano Levra (Moncalieri, Italy), Cecilia Rivero, Francesca Bertolini, Vitina Carriero, Elisa Arrigo, Giuseppe Guida, Stefano Pizzimenti, Flavio Crosa, Carlo Albera, Fabio Luigi Massimo Ricciardolo

- PA5145** **Prevalence and predictors of response to long-term treatment in patients with idiopathic pulmonary fibrosis (IPF).**  
Elisabetta Coccoconcelli (Padova (PD), Italy), Nicol Bernardinello, Paolo Cameli, Tommaso Pianigiani, Rosangela Di Liberti, Cristina Dartora, Riccardo Messina, Irene Di Leo, Tiziana La Blasca, Nicola Scichilone, Elena Bargagli, Marina Saetta, Paolo Spagnolo, Elisabetta Balestro

- PA5146** **Changes in survival in people with IPF in England 2010–2020**  
Ann Morgan (Market Harborough (Leicestershire), United Kingdom), Rikisha Shah Gupta, Peter George, Jennifer Quint

- PA5147** **Idiopathic Pulmonary Fibrosis in the United Kingdom: Findings from the first decade of the largest single-country IPF Registry**  
Ahmed Fahim (Wolverhampton (West Midlands), United Kingdom), Maria Loughenbury, Sarah Agnew, Howard Almond, Leo Casimo, Nazia Chaudhuri, Sophie V Fletcher, Sarah Haney, Ling-Pei Ho, Clare Hodgkinson, Paul Minnis, Evelyn Palmer, Iain Stewart, Andrew Wilson

- PA5148** **Disease trajectories in interstitial lung diseases – Data from the EXCITING-ILD Registry**  
Katharina Buschulte (Heidelberg, Germany), Hans-Joachim Kabitz, Lars Hagmeyer, Peter Hammerl, Albert Esselmann, Conrad Wiederhold, Dirk Skowasch, Christoph Stolpe, Marcus Joest, Stefan Veitshans, Marc Höffgen, Phillen Maqhuza, Larissa Schwarzkopf, Andreas Hellmann, Michael Pfeifer, Jürgen Behr, Andreas Günther, Markus Polke, Philipp Höger, Vivien Somogyi, Christoph Lederer, Philipp Markart, Michael Kreuter

- PA5149** **End-of-life of patients with idiopathic pulmonary fibrosis treated with antifibrotic therapy**  
Makiko Sato (Gunma, Japan), Yasuhiko Koga, Yoshimasa Hachisu, Kazutaka Takehara, Ikuo Wakamatsu, Yuki Shin, Haruka Saito, Masakiyo Yatomi, Hiroaki Tsurumaki, Noriaki Sunaga, Toshitaka Maeno, Takeshi Hisada

- PA5150** **Statin use and its implications on survival and disease progression in the European MultiPartner Idiopathic Pulmonary Fibrosis Registry (EMPIRE)**  
David Lang (Kirchschlag bei Linz, Austria), Bernd Lamprecht, Nesrin Mogulkoc Bishop, Martina Sterclova, Katarzyna Lewandowska, Mordechai Kramer, Vladimir Bartos, Martina Plackova, Veronika Müller, Petra Ovesna, Michael Studnicka, Martina Kozziar Vasakova

- PA5151** **Spectrum of disease and predictors of mortality in patients with idiopathic pulmonary fibrosis in South Africa**  
Muhammed Hoosen (Durban (Kwa Zulu-Natal), South Africa), Mohammed Mitha, Kennedy Nyamande

- PA5152** **Prevalence and risk factors of progressive pulmonary fibrosis (PPF) in patients with Interstitial Lung Disease (ILD) in a tertiary care center in India**  
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Sai Vijayasree, Barney Isaac, Anitha Barney, Manisha Sheshrao Mane, Balamugesh Thangakunam
- PA5153** **Familial Pulmonary Fibrosis: Clinical, genetic and radiological characterization**  
Mara Daniela Silva Sousa (Vizela, Portugal), Inês Carvalho, Rita Santos, Patrícia Mota, Ana Grangeia, João Parente Freixo, Miguel Alves-Ferreira, André Carvalho, Susana Guimarães, Luís Delgado, Carla Pinto Moura, Josué Pinto, Catarina Cardoso, David Coelho, André Terras, Natália Melo, António Morais, Hélder Novais-Bastos
- PA5154** **The far reaching implications of Interstitial Lung Diseases Delayed Diagnosis**  
Radu Adrian Crisan-Dabija (Iasi (Iasi), Romania), Lucia Morosan-Danila, Claudia Elena Grigoras-Ichim, Dumitru Filipeanu
- PA5155** **Familial Pulmonary Fibrosis in Two Referral Centers in Northeast of Brazil.**  
Fernanda de Aguiar Baptista (Salvador (BA), Brazil), Rúbia Campos, Ana Maria Genu, Paula Tannus, Guilherme Montal
- PA5156** **Quality of life in idiopathic pulmonary fibrosis in Latin American countries**  
Martín Eduardo Fernández (Ciudad Autónoma Buenos Aires, Argentina), Ivette Buendía-Roldán, Muricio González, Emily Rincón-Alvarez, Maria Laura Alberti, Fabian Matias Caro, Esther Tavera, Ely Vazquez, Mauricio Salinas, Matias Florenzano, Noemi Cortez Olivera, Hiram Aguilar-Duran
- PA5157** **Comparison of ILD at risk of PH between transplant center and referral care settings**  
brenda varela (Ciudad Autónoma Buenos Aires, Argentina), Joaquín Maritano Furcada, Luciano Melatini, Sabino Deleo, Gabriela Tabaj, Juan Ignacio Enghelmayer, Tulio Papucci, Matías Castro, Wendy Marisol Torrejon Chinche, Graciela Svelitz, David Smith, Martín Bosio
- PA5158** **IPF and lung cancer. Retrospective analysis of antifibrotic drugs and thoracic surgery.**  
Leonardo Gori (Florence, Italy), Stefano Bongiolatti, Alessandra Sorano, Elisabetta Rosi, Marina Amendola, Viola Bonti, Katia Ferrari, Roberta Ginanni, Alberto Salvicchi, Domenico Viggiano, Luca Voltolini, Camilla Comin, Valeria Pasini, Rubina Girolamo, Valentina Musto, Luca Ciani, Leonardo Giuntoli, Valentina Luzzi, Marco Trigiani, Vieri Scotti, Francesca Mazzoni, Diletta Cozzi, Lorenzo Lumachi, Paolo Fontanari, Federico Lavorini, Sara Tomassetti
- PA5159** **Idiopathic pulmonary fibrosis in hospitalized patients with lung cancer**  
Yujie Shi (Beijing, China), Ruxuan Chen, Hui Huang, Mengzhao Wang, Zuojun Xu

PS-29

Session 479

12:30 - 14:00

## Poster session: Pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#)Method(s) : Physiology Pulmonary function testing Cell and molecular biology Imaging General respiratory patient care  
Pulmonary rehabilitation Epidemiology

Tag(s) : Clinical

Chairs : Michelle Kam (Singapore, Singapore), Lurdes Planas Cerezales (Barcelona, Spain)

- PA5160** **Effects of nerandomilast, a preferential PDE4B inhibitor, on metabolism of midazolam, a sensitive CYP3A substrate**  
Shilpa Madari (Ridgefield, United States), Yichao Yu, Dilara Jappar, Donald Zoz
- PA5161** **The presence of myositis specific and myositis associated antibodies does not alter prognosis in IPF**  
Robert Harrington (Dublin, Ireland), Richard Conway, Ruairi Fahy
- PA5162** **Monocytes, Mortality, and Disease Progression in IPF: A time-to-event analysis**  
Dominic Sykes (Hull, United Kingdom), Haider Bokhary, Jennifer Shyamalee, Simon P Hart
- PA5163** **Late Breaking Abstract - GTX-11 – a new drug with anti-fibrotic effects in lung fibroblasts and in an ex vivo model**  
Carlos Esteban Machahua Huamani (Bern, Switzerland), Eugènia Ruiz-Cánovas, Consol Farrera, Cristina Fernández-Asensio, Silvia Sánchez-Díez, Jaume Mercadé, Manuela Funke-Chambour
- PA5164** **Predicting progressive phenotype in patients with fibrotic interstitial lung disease**  
Nicol Bernardinello (Trecenta (RO), Italy), Lauren D'Sa, Federica Pezzuto, Francesca Boscaro, Anamaria Chelu, Cecilia De Chellis, Giulia Bacchin, Luca Vedovelli, Chiara Giraudo, Paolo Spagnolo, Fiorella Calabrese, Elisabetta Balestro
- PA5165** **Time-Dependent Analysis of Calcium Channel Blocker Usage and Risk of Interstitial Lung Disease/Idiopathic Pulmonary Fibrosis: A Nationwide Cohort Study**  
Jang Hye Jin (Seoul, Republic of Korea), Jin-Young Huh, Jin-Ho Kim, Jihyeon Jeong, Joo Hun Park, Jae Young Kim, Won-Il Choi
- PA5166** **Immunological similarities between post-COVID19 lung sequelae and idiopathic pulmonary fibrosis**  
Sara Gangi (siena, Italy), Laura Bergantini, Paolo Cameli, Irene Paggi, Marco Spaletti, Fabrizio Mezzasalma, Elena Bargagli, Miriana D'Alessandro

- PA5167 Biomarkers in ICU-treated Covid-19 patients 4 and 10 months after discharge: evidence for persistent inflammation and remodeling**  
Dimitrios Kalafatis (Lund, Sweden), Mikael Björnson, Anna Kistner, Judith Bruchfeld, Michael Runold, Malin Nygren-Bonnier, Åsa Wheelock, Linda Elowsson, Gunilla Westergren-Thorsson, Magnus Sköld
- PA5168 Distinct airway immune cell constitution in persistent post COVID-19 ILD.**  
Eliza Tsitoura (Heraklion (Crete), Greece), Eirini Vasarmidi, Ioanna Argyriou, Alexandros Galaras, Marilena Lourou, Irini Lambiri, Christos Skiadas, Eleni Bibaki, Nicoletta Bizymi, Andreas M. Matthaïou, Pantelis Hatzis, Nikolaos Tzanakis, Katerina Antoniou
- PA5169 Late Breaking Abstract - Evaluating the clinical potential of inhalation of umbilical cord mesenchymal stem cell (UC-MSC) exosomes in pulmonary fibrosis (PF) treatment.**  
Chen-En Chiang (New Taipei city, Taiwan), Yu-Chun Lin, Megha Jhunjhunwala, Hui-Ling Lin, Chi-Shuo Chen
- PA5170 PDGFR $\alpha$ -positive fibroblasts display a proinflammatory phenotype in infection-driven exacerbation of experimental lung fibrosis**  
Lara-Kristin Steinmetz (Hannover, Germany), Tina Röpke, Franziska Aschenbrenner, David S. Deluca, Tobias Welte, Martin Kolb, Ulrich A. Maus
- PA5171 Blood eosinophilia: a predictive marker of acute exacerbations in fibrotic interstitial lung disease?**  
Melanie DAVID (Paris, France), Quentin Marquant, Helene Salvator, Philippe Devillier, Matthieu Groh, Anne-Laure Brun, Antoine Magnan, Colas Tcherakian
- PA5172 Survival in familial idiopathic pulmonary fibrosis and fibrotic hypersensitivity pneumonitis is worse than its sporadic presentations.**  
Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Eliane Mancuzo, Regina Tibana, Maria Raquel Soares, Carlos Alberto De Castro Pereira, Ricardo De Amorim Corrêa
- PA5173 Good health' for patients with PPF: Insights from patient-led international focus groups**  
Silja Schenk (Berlin, Germany), Eda Sen, Jeanette Boyd, Anouk Delameillieure, Liesbet Van Bulck, Vivien Somogyi, Zera Nur Toreyin, Nazli Uckuyu, Omer Sen Unat, Fabienne Dobbels, Liam Galvin, Michael Kreuter, Nesrin Mogulkoc, Nikola Maria Stenzel, Wim Wuyts, Pippa Powell, Polina Starchenko, Natalia Liagka, Thomy Tonia, Steve Jones
- PA5174 Weight loss on nintedanib therapy in interstitial lung diseases (ILD)**  
Balamugesh Thangakunam (Vellore (Tamil Nadu), India), Barney Isaac, Bharath Karthikeyan, Devasahayam J Christopher
- PA5175 Body composition phenotypes in IPF and their association with clinical outcomes**  
Hasan Ibis (Ankara, Turkey), Mustafa Engin Şahin, Pınar Ergün, Seher Satar
- PA5176 Evaluating the Progressive Factor's Impact on IPF Patients Treated with Antifibrotic Agents Over One Year**  
Yu-Cheng Wu (Taichung City, Taiwan), Chen-Yu Wang, Pin-Kuei Fu
- PA5177 Use of 6-min walk distance to predict lung transplant-free survival in fibrosing non-IPF interstitial lung diseases**  
Umberto Zanini (monza, Italy), Fabrizio Luppi, Karina Kaur, Nicolo' Anzani, Giovanni Franco, Giovanni Ferrara, Meena Kalluri, Marco Mura
- PA5178 A pilot HRCT follow-up study to test the feasibility of predictive efficacy of serum periostin in idiopathic pulmonary fibrosis**  
Mingtao Liu (Guangzhou, China), Baoqing Sun
- PA5179 The prevalence of MUC5B variant and survival of patients with interstitial lung disease in Ireland: A multi-centre cohort study**  
Aoife Carolan (Stoneybatter, Ireland), Niamh Logan, Khaled Musameh, Helen O'Brien, Mari Osaki, Wan Lin Ng, Jisha Jasmin, Fiona Pantring, Katherine Benson, Edmund Gilbert, Ganpiero Cavalleri, David A. Schwartz, Cormac Mccarthy, Michael P. Keane, Michael T. Henry, Killian Hurley

## PS-3 Session 480 12:30 - 14:00

Poster session: Telemedicine in respiratory care: design, development and evaluation of innovative digital programs, apps, platforms and devices

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

Method(s) : General respiratory patient care Public health Pulmonary rehabilitation Pulmonary function testing Epidemiology Transplantation Physiology

Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical

Chairs : David Drummond (Paris, France), Apolline Gonsard (Paris, France)

- PA5180 Design and development of an application for technology-supported shared decision-making in COPD**  
Roswita Vaseur (Enschede, Netherlands), Tessa Beinema, Wendy D'Holloosy, Danae Lekka, Monique Tabak

- PA5181** **Development of a digital self-management tool for people with sarcoidosis**  
Astrid Dunweg (Rotterdam, Netherlands), Vivienne Kahlmann, Heleen Kicken, Nick Jelacic, Joke Hendriks, Richard Goossens, Marlies Wijzenbeek, Jiwon Jung
- PA5182** **Development of a remote monitoring device in a paediatric tertiary hospital: A clinical validation study**  
Yi Hua Tan (Singapore, Singapore), Jean Aan Mark Koh, Gurpreet Singh, Chu-Tian Cristelle Chow, Sashikumar Ganapathy, Delphine Ow, Jing Chun Teo, Anne Goh, Oon Hoe Teoh
- PA5183** **Maintenance pulmonary tele-rehabilitation program for chronic pulmonary diseases: a feasibility study**  
Chiara Giuseppina Beccaluva (Origgio (VA), Italy), Mara Paneroni, Manuela Saleri, Michele Vitacca
- PA5184** **Development and testing of a comprehensive self-management application for chronic pulmonary disease**  
Julien Lebleu (Bruxelles, Belgium), Laetitia Payfa, Benoit Ernst, Marie Bruyneel, Julien Guiot
- PA5185** **Monitoring respiratory function with telemedicine devices in asthmatic children**  
József Tolnai (Szeged, Hungary), Katalin Kapus, Zoltán Novák, Ferenc Peták
- PA5186** **Objective versus subjective assessment of cough burden – proof-of-concept of an automated cough recorder**  
Louise Otto (Berlin, Germany), Satish Pant, Andrea Berten, Thomas Hering, Nikola Stenzel, Klaus Kenn
- PA5187** **Usability evaluation of proof-of-concept electronic version of the COPD Exacerbation diary card**  
Lauren Crooks (Johannesburg, South Africa), Lydia Finney, Bill Byrom, Clive Page, Elias Ketiar, Dawie Wessels, Jadwiga A Wedzicha
- PA5188** **Optimizing CFTR modulator therapy management for cystic fibrosis through the ReX platform**  
Karin Yaacoby-Bianu (Haifa, Israel), Malena Cohen-Cymerknoh, David Shoseyov, Tal Lavi, Ana Ostrovski, Michal Shteinberg, Galit Livnat
- PA5189** **A digital platform for the self-management and remote care of Asthma and COPD**  
Sandhya Matthes (Solingen, Germany), Marcel Tremel, Kerstin Richter, Anika Hain, Fotina Gjoka, Lars Hagemeyer, Winfried Randerath
- PA5190** **Usability of a novel eHealth tool for pulmonary rehabilitation- a randomized controlled pilot- and feasibility trial in people with COPD**  
Åsa Karlsson (Umeå, Sweden), Pernilla Sönnerrfors, Sara Lundell, Annika Toots, Karin Wadell
- PA5191** **A novel telemedicine-based individualized pulmonary rehabilitation program in COPD: patient perception**  
Edvin Diskin Wetter (GÖTEBORG, Sweden), Maria Bäck, Anna Ridderstolpe, Annie Lindahl, Lowie E G W Vanfleteren
- PA5192** **Impact of the Aptom Digital Health respiratory platform on adult asthma control, medication adherence, and rescue medication usage**  
Akash Bijlani (San Carlos, United States), Geneviève Giret-D'Orsay, Julie Suman
- PA5193** **Efficacy and safety of digital therapeutics for pulmonary rehabilitation in patients with COPD: A randomized controlled trial**  
Hee Eun Choi (Busan, Republic of Korea), Jae Ha Lee, Chin Kook Rhee, Chul Kim, Ju Hyun Oh, Ji Heoung Lee
- PA5194** **Implementation of a Telespirometry System in Primary Health Care Units in Brazil**  
Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Camila Farnese Rezende, Ricardo Amorim Correa, Sabrina De Rezende Ribeiro, Maria Cristina Da Paixão, Leonardo Bonisson Ribeiro, Mayara Santos Mendes, Nubia Cristina Louback Dos Santos, Lidiane Aparecida Pereira De Souza, Antonio Luiz Pinho Ribeiro
- PA5195** **Evaluation of existing digital tools in national tuberculosis control programs of Armenia and Kyrgyzstan**  
Olga Hovardovska (Brauschweig, Germany), Harald Hoffmann, Dirk Wagner, Gulmira Kalmambetova, Meerbubu Sydykova, Eduard Kabasakalyan, Ohanna Kirakosyan, Berit Lange
- PA5196** **A hybrid home-care program for COPD patients after an acute hospitalization: a real-life cohort study**  
Erik Baltaxe (Ganei Tikva, Israel), Irina Oksner, Inbal Shafran, Lior Seluk Seluk, Amir Onn, Galia Barkai, Michael J Segel
- PA5197** **Long COVID and quality of life: role of respiratory rehabilitation**  
Khadija Ayed (Nabeul, Tunisia), Islam Mejri, Tasnim Znegui, Ella Nemsy, Zied Moatemri
- PA5198** **The effect of a 3-month digital physical activity intervention on health outcomes at 1 year following lung transplantation (LTx)**  
Emily Hume (Newcastle Upon Tyne, United Kingdom), Hazel Muse, Kirstie Wallace, Mick Wilkinson, Karen Heslop-Marshall, Arun Nair, Stephen Clark, Ioannis Vogiatzis
- PA5199** **Late Breaking Abstract - Assessing the diagnostic accuracy of home spirometry system for asthma diagnosis**  
Björn Nordlund (Bromma, Sweden), Lynnea Myers, Martin Bellander, Henrik Ljungberg, Martine Isachsen, Marianne Eduards, Marie Lindman, Anna Carleborg, Maria Rosengren, Hanna Sandelowsky, Kjell Larsson



PS-30

Session 481

12:30 - 14:00

## Poster session: Rare interstitial lung diseases: clinical and research novelties

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

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

Tag(s) : Clinical, Translational

Chairs : Elisabetta Balestro (Padova (PD), Italy), ARGYRIS TZOUVELEKIS (Patras, Greece)

- PA5200** **Hard Metal Lung Disease: A case of an under recognised metallic malady**  
Sheetal Chaurasia (Bangalore (Karnataka), India), Sanjeev Katti
- 
- PA5201** **Crosstalk between fibrotic alveolar basal cells and lung fibroblasts: Effects on differentiation and mediator expression**  
Katrin Esther Hostettler (Basel, Switzerland), Petra Khan, Sabrina Blumer, Spasenija Savic, Lars Knudsen, Danny Jonigk, Mark P. Kuehnel
- 
- PA5202** **Hyaluronan in the pathogenesis of lung fibrosis associated to autoimmune Pulmonary Alveolar Proteinosis (aPAP)**  
Vincenzo Alfredo Marando (Pavia (PV), Italy), Sara Lettieri, Francesca Mariani, Matteo Della Zoppa, Michele Zorzetto, Raffaele Gentile, Laura Ciardelli, Riccardo Albertini, Angelo Guido Corsico, Ilaria Campo
- 
- PA5203** **Long-term observational study on autoimmune pulmonary alveolar proteinosis (aPAP)**  
Etsuro Yamaguchi (Nagakute (Aichi), Japan), Eisuke Fujishiro, Masaya Fukami, Takuma Katano, Hiroyuki Tanaka, Satoru Ito
- 
- PA5204** **Clinical features of pulmonary hypertension in lymphangiomyomatosis**  
Jie Liu (Guangzhou, China), Panqiao Liang, Yingxin Pan, Hongyuan Huang, Zhen Zhao, Cheng Hong, Xiaofeng Wu
- 
- PA5205** **Intracellular GM-CSF signaling in circulating monocytes, monocyte-derived macrophages, and human lung macrophages**  
Hélène Salvator (Suresnes, France), Marion Brolo, Melanie David, Raphael Zermati, Quentin Marquant, Stanislas Grassin-Delye, Matthieu Glorion, Justine Cohen, Antoine Magnan, Philippe Devillier
- 
- PA5206** **Diagnostic efficacy of serum vascular endothelial growth factor -D in diffuse cystic lung disease.**  
Jie Liu (Guangzhou, China), Yingxin Pan, Panqiao Liang
- 
- PA5207** **Can we differentiate between primary Sjögren's syndrome and idiopathic multicentric Castleman disease based on the features of lung cysts?**  
Jiamin Zhou (Beijing, China), Xueqing Liu, Weihong Zhang
- 
- PA5208** **Clinical relevance of FLCN mutations in Asian patients with Birt-Hogg-Dubé syndrome**  
Jie Liu (Guangzhou, China), Nan Jia, Hongyuan Huang, Yingxin Pan, Mengshi Li, Francis X McCormack
- 
- PA5209** **Evaluating UNet Performance in Segmenting Cysts of Diffuse Cystic Lung Disease CT Scans**  
Katie Noonan (Wicklow, Ireland), David J. Murphy, Brian Gaffney, Brian Sheehy, Niall Mcveigh, Nicholas Mccarthy, Alessandro N. Franciosi, Ali Ataya, Nishant Gupta, Francis X. McCormack, Francesco Bonella, Michael P. Keane, Raphael Borie, David A. Lynch, Kathleen M. Curran, Cormac Mccarthy
- 
- PA5210** **Using Semi-Automated CT Analysis to Determine Cyst Burden in Diffuse Cystic Lung Diseases**  
Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Brian Gaffney, Joseph Morrow, David Murphy, Alessandro Franciosi, Michael Keane, Cormac Mccarthy
- 
- PA5211** **Chronic myelomonocytic leukaemia associated with pulmonary Langerhans cell histiocytosis**  
Pierre Thoré (Champigny-sur-Marne, France), Sérine Chaibi, Amira Benattia, Gwenaél Lorillon, Abdellatif Tazi
- 
- PA5212** **Lymphocytic interstitial pneumonia characterized by diffuse cystic lung lesions: Single-center, cohort retrospective analysis**  
Jie Liu (Guangzhou, China), Zhen Zhao, Panqiao Liang
- 
- PA5213** **The role of lung diffusing capacity for carbon monoxide in Pulmonary Langerhans Cell Histiocytosis**  
Antonio Fabozzi (Rome, Italy), Gianluca Paciucci, Diana Iannello, Giulia De Rose, Roberto Romiti, Giovanna Palumbo, Paolo Palange, Gregorino Paone
- 
- PA5214** **Leukemic Pulmonary Infiltrates in Chronic Lymphocytic Leukemia: Clinical and Imaging Features**  
Vasilios Tzilas (Athens, Greece), Thomas Hartman, Jay Ryu

**PA5215** **Circulating Anandamide is an Early Blood Biomarker of Progressive Hermansky-Pudlak Syndrome Pulmonary Fibrosis**  
Resat Cinar (Rockville, United States), Abhishek Basu, Muhammad Arif, Joshua Park, Charles Zawatsky, Ben Long Zuo, Mei Xing Zuo, Kevin O'Brien, Molly Behan, Wendy Introne, Malliga Iyer, William Gahl, May. Christine Malicdan, Bernadette Gochuico

**PA5216** **The diagnostic role of transbronchial lung cryobiopsy in inflammatory myeloid neoplasms**  
Simone Petrarulo (Padova, Italy), Teresa Calari, Sabrina Martinello, Fabio Sultani, Arianna Johanna De Grauw, Stefano Oldani, Roland Barbante, Alessandra Dubini, Claudia Ravaglia, Sara Piciucchi, Venerino Poletti

**PA5217** **The histopathological lesions of ILAs earlier than the radiological changes**  
Ping Li (chengdu, China), Lili Jiang, Huajing Wang, Min Zhu, Yuchen Zhang, Fengming Luo

**PA5218** **Screening and identification of pathogenic genes in a family of idiopathic pulmonary fibrosis**  
Lyu Liu (Changsha, China), Liang-Liang Fan, Hong Luo

**PA5219** **The MUC5B rs35705950 allele is a cooperater in familial pulmonary fibrosis.**  
Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Flávia Donaires, André Luiz Pinto Santos, Eliane Mancuzo, Ana Beatriz Hortense, José Antônio Baddini Martinez, Ricardo De Amorim Corrêa, Rodrigo Tocantins Calado De Saloma Rodrigues

PS-31

Session 482

12:30 - 14:00

## Poster session: Pulmonary hypertension groups 2–4

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

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

Tag(s) : Clinical

Chairs : Mitja Jevnikar (Paris, France), Frédéric Lador (Genève 14, Switzerland)

**PA5220** **Cardiopulmonary exercise test in patients with chronic thromboembolic pulmonary disease and exercise pulmonary hypertension**  
Adam Dhayyat (Oslo, Norway), Morten Nissen Melsom, Janne Mykland Hilde, Waleed Ghanima, Kjetil Steine

**PA5222** **Obstructive sleep apnoea is associated with residual pulmonary hypertension following pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension**  
Caner Çınar (istanbul, Turkey), Şehnaz Olgun Yıldızeli, Halil Ataş, Baran Balcan, Bülent Mutlu, Bedrettin Yıldızeli, Yüksel Peker

**PA5223** **Clinical and radiological characteristics of CTEPH patients without a history of acute venous thromboembolism**  
Coen van Kan (Amsterdam, Netherlands), Josien Van Es, Hachim El Idrissi, Dieuwertje Ruigrok, Esther Nossent, Jurjan Aman, Erik Klok, Harm Jan Bogaard, Anton Vonk Noordegraaf, Lilian Meijboom

**PA5224** **The impact of the initial treatment of venous thromboembolism on the severity of chronic thromboembolic pulmonary hypertension**  
Aleksandar Bokan (Loewenstein, Germany), Biljana Joves, Axel Tobias Kempa, Ahmed Ehab

**PA5225** **Factors associated with oxygenation improvement after balloon pulmonary angioplasty for non-operable chronic thromboembolic pulmonary hypertension.**  
Yu Taniguchi (Kobe, Japan), Miki Sakamoto, Hiroyuki Fujii, Kenichi Yanaka, Noriaki Emoto, Kenichi Hirata

**PA5226** **Estimating pulmonary haemodynamics and vascular resistance in CTEPH from pre- and post-endarterectomy CTPA**  
Behdad Shaarbafebrahimi (Auckland, New Zealand), Ho-Fung Chan, Prashanna Khwaounjoo, Finbar Argus, Martyn Nash, David Kaye, Timothy Joseph, Helen Whitford, Atsuo Doi, David Mc Giffin, Merryn Tawhai

**PA5228** **Efficacy of pulmonary angioplasty with stent deployment in patients with isolated peripheral pulmonary artery stenosis in adulthood**  
Misaki Kanezawa (Okayama, Japan), Hiroto Shimokawahara, Hiromi Matsubara

**PA5229** **Survival is associated with underlying ILD diagnosis in ILD-PH.**  
Segolene Turquier (bron, France), Rémi Diesler, Martine Reynaud-Gaubert, François Lestelle, Thomas Lacoste-Palasset, Victor Valentin, Sébastien Quéant, Ari Chaouat, Clément Boissin, Elise Noel-Savina, Cécile Tromeur, Aurélien Justet, Arnaud Maurac, Fabrice Bauer, Hilario Nunes, Laurent Bertoletti, Pascal Magro, Delphine Horeau-Langlard, Marie-France Séronde, Nicolas Favrolt, Romain Trésorier, Bouchra Lamia, Céline Chabanne, Sébastien Renard, Frédéric Gagnadoux, Pierre Mauran, Ibrahim Traore, Laurence Rottat, Sabrina Zeghmar, Ana Nieves, Julie Traclat, Olivier Sitbon, Nicolas Lamblin, Bruno Degano, Arnaud Bourdin, Marc Humbert, Fabien Subtil, David Montani, Vincent Cottin

- PA5230** **Comparative analysis of circulating endothelial progenitor cells and resected tissue-derived endothelial cells in chronic thromboembolic pulmonary hypertension (CTEPH).**  
Miriam Peracaula (Salt, Spain), Cristina Rodríguez, Ana M Ramírez, Jeisson Osorio, Montserrat Rigol, Isabel Blanco, Víctor I Peinado, Manel Castellà, Joan Albert Barberà, Olga Tura-Ceide
- PA5231** **PAR1 Inhibition Vorapaxar as a Potential Therapeutic Approach in Chronic Thromboembolic Pulmonary Hypertension**  
Lu Sun (Beijing, China), Min Liu, Peiran Yang, Zhenguo Zhai
- PA5232** **Genome-wide association analyses identified susceptibility loci for chronic thromboembolic pulmonary hypertension among Chinese population**  
mengjie Duo (Beijing, China), Bingzhang Zou, Huiwen Li, Zhu Zhang, Zhenguo Zhai
- PA5233** **The significance of CD16+ monocytes in the occurrence and development of chronic thromboembolic pulmonary hypertension: insights from single-cell RNA sequencing**  
Maohe Chen (Fuzhou, China), Qiuxia Wu, Xinyue Lai, Nan Shao, Chaosheng Deng
- PA5234** **The therapeutic potential of NAMPT in protecting against chronic thromboembolic pulmonary hypertension**  
Lu Sun (Beijing, China), Jixiang Liu, Peiran Yang, Zhenguo Zhai
- PA5235** **Right Ventricular to Pulmonary Circulation Uncoupling Predicts Adverse Outcome in the Heart Failure Patients Cohorts with Highest Left Ventricular Ejection Fraction and Increased Pulmonary Pressure**  
Saleh Nazzal (Nahef, Israel), Yochai Adir, Shemi Carasso, Marco Guazzi
- PA5236** **Hemodynamic measurement in pulmonary hypertension: a challenge for automated CT analysis**  
Quentin Maloir (Liège, Belgium), Ludivine Libert, Benoit Ernst, Flore Belmans, Andrea Corsi, Wim Vos, Julien Guiot
- PA5237** **The Prevalence of Pulmonary Hypertension in Left Heart Disease in Austria, Germany and Switzerland (DACH Region)**  
Katarina Zeder (Graz, Austria), Clayton Brown, Lisa Cvirn, Armella Santi, Eric W Robbins, Veranyuy Ngah, Silvia Ulrich, Stephan Rosenkranz, Simon Stewart, Geoff Strange, Gabor Kovacs, Bradley A Maron
- PA5238** **ATMOS, a Proof-of-Concept trial of inhaled mosliciguat in untreated PAH or CTEPH**  
H. Ardeschir Ghofrani (Gießen, Germany), Hanno Leuchte, Hikmet Al-Hiti, Michael Halank, Pavel Jansa, Tobias Lange, Horst Olschewski, Khodr Tello, Eva Becker-Pelster, Sandra Ligges, Johannes Nagelschmitz, Sylvia Nikkho, Sudhir Penugonda, Soundos Saleh, Paula Vesterinen, Markus Woischnik, David Jung, Grzegorz Kopec
- PA5239** **Epicardial Adipose Tissue Dysfunction in Pulmonary Arterial Hypertension: Implications for Right Ventricular Dysfunction**  
Sarah-Eve Lemay (Quebec, Canada), Manon Mougín, Sandra Martineau, Sandra Breuil Bonnet, Mélanie Sauvaget, Olivier Boucherat, Steve Provencher, Sebastien Bonnet, François Potus

PS-32

Session 483

12:30 - 14:00

Poster session: Imaging studies of COPD, asthma, COVID pneumonia and cystic fibrosis

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

Method(s) : Imaging Pulmonary function testing Physiology Epidemiology

Tag(s) : Clinical

Chairs : Walter De Wever (Leuven, Belgium), Gergely Szabo (Budapest, Hungary)

- PA5240** **The Value of Deep Learning for COPD Diagnosis and Grading**  
Li Yang (Chongqing, China), Boyu Zhang, Ao Liu, Xing Lu
- PA5241** **CT vessel features improves COPD classification**  
Kalysta Makimoto (Ajax, Canada), Daniel Genkin, James Hogg, Jean Bourbeau, Wan Tan, Miranda Kirby
- PA5242** **Fractal analysis of pulmonary vasculature in COPD: Association with pulmonary function, functional capacity and symptoms**  
Gauravveer Singh (toronto, Canada), James C. Hogg, Jean Bourbeau, Wan C. Tan, Miranda Kirby
- PA5243** **Obstruction Grade and Preserved Lung Function assessed with Ventilation/Perfusion SPECT and its association with Lung Function in COPD and healthy smokers**  
Abir Nasr (Teckomatorp, Sweden), Linnea Jarenbäck, Marika Bajc, Jaro Ankerst, Leif Bjermer, Ellen Tufvesson
- PA5244** **Automated detection of mucus plugs in CT imaging using a deep learning model**  
Stijn Bonte (Kontich, Belgium), Eline Lauwers, Patrick Muchmore, Rita João, Ana Cortes, Benjamin Lavon, Wilfried De Backer

- PA5245 Assessment of artificial intelligence-aided chest computed tomography in diagnosis of chronic obstructive airway disease: an observational study**  
Ahmed Abdallah Bayoumy (Amsterdam, Netherlands), Maha M. Saad, Magdy M. El-Nisr, Noha M. Zaki, Tarek H. Khalil, Ahmed F. Elserafi
- PA5246 COVID-19 survivors and COPD affected patients capillaroscopy evaluation: a pilot study**  
Barbara Ruaro (Trieste, Italy), Lucrezia Mondini, Paola Confalonieri, Marco Confalonieri, Antonio Romallo, Mattia Bellan, Francesco Salton
- PA5247 CT-detected pulmonary vascular changes are associated with measures of small airways disease in smokers**  
Ben Welham (, United Kingdom), Michael J. Bennett, Andrew Ritchie, Eric A. Hoffman, James P. Allinson, Charlotte E. Bolton, Gourab Choudhury, Luana Alves-Moreira, Lorcan Megarvey, Elizabeth Sapey, Dave Singh, Hana Mullerova, Kristoffer Ostridge, Olaf Jöns, Enrica Bucchioni, Chris H. Compton, Franklin Igwe, Jørgen Vestbo, Peter M. A. Calverley, Jadwiga A. Wedzicha, Tom M. Wilkinson
- PA5248 Rapid 3D visualization of airway remodeling in healthy and asthmatic lung biopsies using higher harmonic generation microscopy**  
Sylvia Spies (Amsterdam, Netherlands), Sofi Vassileva, Mengyao Zhou, Teodora Radonic, Jouke T. Annema, Johannes M. A. Daniels, Peter I. Bonta, Marie Louise Groot
- PA5249 PREFUL and 19F Lung MRI detect early effects of Mepolizumab treatment in patients with severe eosinophilic asthma**  
Julienne Scheller (Hannover, Germany), Hendrik Suhling, Arnd Jonathan Obert, Marius Malte Wernz, Marcel Gutberlet, Andreas Voskrebenezv, Peter Howarth, Frank Wacker, Tobias Welte, Jens Vogel-Claussen
- PA5250 HypErpolarised Xenon Magnetic Resonance PuLmonary Imaging in PATieNts with Long-COVID (EXPLAIN): Lung diffusion findings**  
Emily Fraser (Oxford, United Kingdom), Kher Ng, Laura Saunders, James Grist, Guilhem Collier, Scarlett Strickland, Lotta Gustafsson, Laurie Smith, Ranoromanana Evans, Nevin Vuddamalay, Jenny Rodgers, Huw Walters, Nina Kainth, Avianna Laws, Kenneth Jacob, Anthony McIntyre, Violet Matthews, Amany Elbehairy, Gabriele Abu Eid, Alexander Horsley, Helen Davies, Roger Thompson, Najib Rahman, Jim Wild, Fergus Gleeson
- PA5251 129Xe lung ventilation imaging in patients with long COVID without prior respiratory disease**  
Laura Saunders (Sheffield, United Kingdom), Guilhem Collier, Laurie Smith, Helen Marshall, Alberto Biancardi, Andy Swift, Demi Jakymelen, Scarlett Strickland, Lotta Gustafsson, Ryan Munro, Neil Stewart, Graham Norquay, David Capener, E Explain Study Group, Alex Horsley, A A Roger Thompson, Jim Wild
- PA5252 Contrast enhanced MRI does not detect differences in pulmonary perfusion between patients with long COVID and controls**  
Laura Saunders (Sheffield, United Kingdom), Paul J. C. Hughes, Kher Lik Ng, Guilhem J. Collier, James Grist, Laurie J. Smith, Scarlett Strickland, Lotta Gustafsson, Alex Horsley, Andy J. Swift, Emily Fraser, Fergus Gleeson, A A Roger Thompson, Jim M. Wild
- PA5253 Emergence of Incidentaloma Following COVID-19 chest CT screening : A Single Center Study**  
Amel Alameeri (Alain, United Arab Emirates), Nasser Abunamous, Akram Takaleh, Mohamed Abdelsalhen, Shamma Al Nokhatha
- PA5254 Comparison of CT guided Transthoracic core needle Biopsy(CNB)and Fine Needle Aspiration(FNA)Biopsy in terms of Diagnostic value,complication and Samples Adequacy for Molecular testing in Lung Cancer.**  
Ivent arafat (Istanbul, Turkey), Sibel Yurt, İlhan Nahit Mutlu, Nur Büyükpınarbaşı, Sultan Rana Ramazanoğlu, Barış Demirkol, Ayşe Bahadır, Aygül Güzel, Mete Arslan Konak
- PA5255 Monitorization Of Pulmonary Nodules In Turkey (MONITUR)**  
Tevfik Özlü (Trabzon, Turkey), Neslihan Özçelik, Betül Aksu, Hıdır Esmé, Ahmet Cemal Pazarlı, Günhan Yavasoglu, Serap Argun Baris, Nimet Aksel, Nurhan Sarioglu, Utku Tapan, Hülya Dirol, Ayse Naz Taskın, Ahmet Arısoy, Seyma Baslılar, Berna Kömürcüoğlu, Ahmet Hamdi Ilgazlı, Abidin Şehitoğulları, Derya Yenibertiz, Sibel Kara, Hadice Selimoğlu Sen, Sibel Arınç, Hacı Ahmet Bircan, Muharrem Erol, Elif Yelda Nıksarlıoğlu, Belma Akbaba Bağcı, Sule Cilekar, Aydanur Ekici, Emine Bahar Kurt, Fatih Üzer, Dilek Ergün, Suha Alzafer, . Monitur Study Group
- PA5256 Which pulmonary nodule could be a sign of systemic disease in children?**  
Nilgun Kula (ankara, Turkey), Tuğba Sismanlar Eyüboğlu, Ayşe Tana Aslan, Pelin Asfuroğlu, Merve Yazol, Öznur Leman Boyunağa
- PA5257 Lung vascular volumes in cystic fibrosis patients before and after Elexacافتor-Tezacافتor-Ivacaافتor (ETI) therapy**  
Ieva Aliukonyte (Rotterdam, Netherlands), Sam L. Durfey, Siddhartha G. Kapnadak, Mary Teresi, Tahuanty Pena, Punitkumar Makani, Pradeep K. Singh, David A. Stoltz, Harm Tiddens

**Comparison between chest magnetic resonance imaging (MRI) and computed tomography (CT) in adult patients with non-cystic fibrosis (CF) bronchiectasis**

**PA5258** Beatrice vivaldi (la spezia, Italy), Giovanna Manfredini, Federica Volpi, Mariapia Niceforo, Francesco Tannura, Sara Cinquini, Chiara Romei, Federico Lorenzo Dente, Francesco Pistelli, Guido Marchi, Maggie Busini, Roberto Castellana, Annalisa De Liperi, Emanuele Neri, Laura Carrozzi, Roberta Pancani

**PS-4** Session 484 12:30 - 14:00

**Poster session: What can clinical physiology tell us about COVID-19?**

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

**Method(s)** : Epidemiology Pulmonary function testing Imaging Cell and molecular biology Physiology Pulmonary rehabilitation Respiratory intensive care

**Tag(s)** : Clinical

**Chairs** : Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Hamish Mcauley (Leicester, United Kingdom)

**Small airway dysfunction in patients after mild COVID-19**

**PA5259** Helen Beuter (Kiel, Germany), Tamina Nichici, Kira Stanko, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberger, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, Sina M. Hopff, J. Janne Vehreschild, Peter U. Heuschmann, Wolfgang Lieb, Katrin Franzpötter, Susanne Poick, Michael Krawczak, Mustafa Abdo, Klaus F Rabe, Jan Heyckendorf, Stefan Schreiber, Anne-Marie Kirsten, Thomas Bahmer

**Longitudinal changes of diffusing capacity (DLCO) and dyspnoea after mild COVID-19**

**PA5260** Tamina Nichici (Kiel, Germany), Helen Beuter, Kira Stanko, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberger, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, Sina M. Hopff, J. Janne Vehreschild, Peter U. Heuschmann, Wolfgang Lieb, Katrin Franzpötter, Susanne Poick, Michael Krawczak, Mustafa Abdo, Klaus F. Rabe, Jan Heyckendorf, Stefan Schreiber, Henrik Watz, Thomas Bahmer

**Acute disease severity is associated with increased MRI pulmonary perfusion transit times at follow-up in male patients hospitalised due to COVID-19.**

**PA5261** Laura Saunders (Sheffield, United Kingdom), Paul J C Hughes, A A Roger Thompson, Martin Brook, David Capener, Louise V Wain, Rachael A Evans, Christopher E. Brightling, C C-More/phosp-Covid Collaborative Group, Stefan Neubauer, Betty Raman, Jim M Wild

**Higher inflammatory cytokines in individuals with long-covid with respiratory symptoms after acute severe COVID-19: a longitudinal nested cohort**

**PA5262** Cássia Goulart (São Carlos, Brazil), Alex Bezerra Da Silva Maciel, Jefferson Valente, Vanderson Sampaio, Allyson Guimarães, Guilherme Peixoto Tinoco Arêas, Fernando Almeida-Val

**Type2 and non-type2 inflammatory characteristics after mild COVID-19**

**PA5263** Kira Stanko (Kiel, Germany), Helen Beuter, Tamina Nichici, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberger, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, Sina Hopff, J. Janne Vehreschild, Peter U. Heuschmann, Wolfgang Lieb, Katrin Franzpötter, Susanne Poick, Michael Krawczak, Mustafa Abdo, Klaus F. Rabe, Jan Heyckendorf, Stefan Schreiber, Watz Henrik, Thomas Bahmer

**Residual lung abnormalities after 12 months of COVID19 hospitalization: A brazilian multicenter study**

**PA5264** Mariana Lima Lafeta (São Paulo (SP), Brazil), Vitor C Souza, Fabiana Oliveira Penido, Maria Fernanda Saldanha, Robson Aparecido Prudente, Luiz Fernando Pereira Brizola, Estefania Aparecida Thome Franco, Flavia Neri Folchino, Eliana Bandini Riso Ribeiro Lopes, Andre Luiz Pereira Albuquerque, Suzana Erico Tanni, Meyer Izbicki, Luiz Eduardo Nery, Rudolf K F Oliveira, Priscila A Sperandio, Eloara Vm Ferreira

**Pulmonary function in post-COVID patients underwent veno-venous extracorporeal membrane oxygenation: 1-year follow-up**

**PA5265** Ferenc Peták (Szeged, Hungary), Fruzsina Kun-Szabó, Gergely H Fodor, Alexandra Pálfi, Ádám L Balogh, Barna Babik

**Long-term effects of severe COVID-19 pneumonia on ventilation-perfusion matching**

**PA5266** Fruzsina Kun-Szabó (Szeged, Hungary), Alexandra Pálfi, Ádám L. Balogh, József Tolnai, Gergely H. Fodor, Barna Babik, Ferenc Peták

**Cardiopulmonary exercise test 3 to 12 months after COVID-19 hospitalization**

**PA5267** Mariana Lima Lafeta (São Paulo (SP), Brazil), Vitor C Souza, Thais C F Menezes, Maria Fernanda Saldanha, Flavia Neri Folchino, Eliana Bandini Riso Ribeiro Lopes, Andre Luis Pereira Albuquerque, Suzana Erico Tanni, Julio P Carlstron, Luiz Eduardo Nery, Rudolf K F Oliveira, Priscila A Sperandio, Eloara V M Ferreira

**EXERCISE INTOLERANCE IN LONG COVID AFTER 26 MONTHS FROM SEVERE ACUTE DISEASE**

**PA5268** Fernando Val (Manaus, Brazil), Guilherme Peixoto Tinoco Arêas, Fernanda Facioli Dos Reis Borges, Andrezza Cristina Barbosa Braga, Bernardo Silva Viana, Jefferson Valente, João Marcos Bemfica, Thais Jordão Perez Sant'Anna Motta, Cássia Goulart



**PA5269 Exercise Training Improves Symptomatology and Immune Cell Phenotype in Long COVID Patients-Preliminary Results**  
William Stringer (Long Beach, United States), Asghar Abbasi, Chiara Gattoni, Michelina Iacovina, Jaqueline Tosolini, Ashrita Singh, Kyaw Soe, Charles Lanks, Carrie Ferguson, Harry Rossiter, Richard Casaburi

**PA5270 Home Spirometry is a Valid and Effective Tool for Tracking Recovery in Pulmonary Function Tests of COVID-19 Pneumonia Survivors**  
Aslı Görek Dilektaşlı (Bursa, Turkey), Ozge Aydin Guclu, Nilufer Ozturk, Funda Coskun, Mehmet Karadag

**PA5271 Respiratory muscle strength in ischemic cardiomyopathy and COVID-19 patients.**  
FRIDA ALBARRAN LÓPEZ (México City, Mexico), Emilio Gutiérrez-Luna, Rocio Sanchez, Arturo Orea, Dulce Gonzalez, Tomas Pena, Frida Albarran, Arantza Aguirre, Estefania Xospa, Antonio Sanchez, Ariel Garcia, Karla Sanchez, Benigno Valderrabano, Celemi Vigil, Andrea Zurita, Laura Arcos

**PA5272 Incidence, one-year progression and factors associated with respiratory muscle weakness after discharge from ICU for COVID-19**  
Guillaume Eberst (Besançon, France), Frédéric Claudé, Meltem Karakaya Akgun, Ophélie Ritter, Lucie Laurent, Aurélie Meurisse, Pauline Roux-Claudé, Lucie Hordequin, Mauriane Plion, Hadrien Winiszewski, Sébastien Pili-Floury, Cindy Barnig, Virginie Westeel

**PS-5 Session 485 12:30 - 14:00**

**Poster session: Non-invasive respiratory support for chronic respiratory failure**

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

**Method(s) :** Respiratory intensive care General respiratory patient care Pulmonary function testing Epidemiology Imaging Palliative care Public health

**Tag(s) :** Clinical

**Chairs :** Sarah Bettina Stanzel (Köln, Germany), Peter J. Wijkstra (Groningen, Netherlands)

**PA5273 Age-differentiated comparison of health-related quality of life and impacting factors in COPD patients receiving long-term non-invasive ventilation.**  
Maximilian Zimmermann (Köln, Germany), Franziska Vocht, Doreen Kroppen, Daniel Majorski, Melanie Berger, Sarah Stanzel, Johannes Holle, Falk Schumacher, Tim Mathes, Wolfram Windisch, Maximilian Wollsching-Strobel

**PA5274 The long term responsiveness of the S3NIV questionnaire in patients with home mechanical ventilation**  
Maria João Santos Silva Oliveira (Vila Nova De Gaia, Portugal), Mafalda Pais, Pedro Viegas, Leonor Roseta, Carla Nogueira, Sara Conde, Carla Ribeiro

**PA5275 Outcomes and quality of life in patients discharged with ventilatory support**  
Lilia Bouajina (Kairouan, Tunisia), Rania Hidri, Hend Zorgati, Sahar Ben Nasr, Yosri Ben Ali, Dhouha Ben Braiek, Oussama Saadaoui, Rahma Ben Jezia, Kacem Ameni, Imen Kharrat, Anis Maatallah, Jihene Ayachi

**PA5276 Association between phenotype and the S3-NIV Questionnaire in COPD patients on home mechanical ventilation**  
Ana Mafalda Paiva Pais (Porto, Portugal), Maria João Oliveira, Pedro Viegas, Leonor Roseta, Carla Nogueira, Sara Conde, Paula Pamplona, Carla Ribeiro

**PA5277 Bronchiectasis is associated with a higher risk for acute exacerbations in patients with chronic hypercapnic COPD receiving long-term non-invasive ventilation**  
Andras Bikov (Budapest, Hungary), Zsafia Lazar, Andrew Chai, Andrew Bentley, Balazs Csoma

**PA5278 Correlation between limb muscle impairment and respiratory function in myotonic dystrophy type 1**  
Roberta Gaeta (Pisa, Italy), Federica Di Giorgi, Miriam De Francesco, Mariapia Niceforo, Lorenzo Fontanelli, Alessandro Celi, Laura Carrozzi, Massimiliano Serradori, Marco Gherardi

**PA5279 Therapy compliance in patients with Obesity hypoventilation syndrome combined with non-invasive ventilation**  
Martine Groot (Briltil, Netherlands), Martine Groot

**PA5280 Survival and treatment trends in ALS patients on home mechanical ventilation over 27 years in Sweden**  
Andreas Palm (Uppsala, Sweden), Ludger Grote, Jonas Einarsson, Karin Ersson, Eva Lindberg, Mirjam Ljunggren, Josefin Sundh, Malin Svensson, Magnus Ekström, Ingela Nygren

**PA5281 Domiciliary Non-Invasive Ventilation (NIV) program in children: a pilot project**  
Elia Balestra (Trieste, Italy), Laura Mazzari, Laura Badina, Massimo Maschio, Francesca Peri, Sergio Ghirardo, Alessandro Amaddeo

**PA5282 A simple model for home initiation of Long-term non-invasive ventilation for treatment of respiratory failure in COPD – a Danish clinical experience**  
Tine Peick Sonne (Copenhagen, Denmark), Caroline Hedsund, Rasmus Rude Laub, Philip Deleuran Thurø, Jon Torgny Wilcke

PA5283	<b>Bronchiectasis in patients with central congenital hypoventilation syndrome (CCHS)</b> Inès Zaien (Saint-Germain-en-Laye, France), Chahinaz Abdelouahab, Soumaya Ais, Justine Largeau, Thomas Similowski, Christian Straus, Benjamin Dudoignon, Samia Boussouar, Maxime Patout
PA5284	<b>The effectiveness, adherence and safety of home high flow nasal cannula in patients with chronic respiratory disease and respiratory insufficiency: a systematic review</b> Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Marta Jácome, Sara Correia, Inês Flores, Patrícia Farinha, Mónica Duarte, João Carlos Winck, Javier Sayas Catalan, Salvador Díaz Lobato, Manel Luján, Cátia Caneiras
PA5285	<b>Phenotypes of COPD patients with home mechanical ventilation – are they valid in the Portuguese population?</b> Ana Mafalda Paiva Pais (Porto, Portugal), Maria João Oliveira, Luísa Castro, Bárbara Seabra, Alexandra Carneiro, Paula Pamplona, Carla Ribeiro
PA5286	<b>Nasal continuous positive airway pressure for sleep-disordered breathing after stroke: a systematic review</b> Guilherme Fregonezi (Rio Grande do Norte, Brazil), Rayane Vieira, Jessica Medeiros, Gonzallo Lillo, Luis Vasconcello-Castillo, Rodrigo Torres-Castro, Vanessa Resqueti, Matías Otto
PA5287	<b>Predictors for successful non-invasive ventilation in patients with neuralgic amyotrophy and phrenic nerve involvement</b> Roy T.M. Sprooten (Cadier en Keer, Netherlands), Anouk B.R. Hendriks, Bettine A.H. Vosse, Sander C.M. Steyns, Sander M.J. Van Kuijk, Janneke G.J. Hoeijmakers, Frits M.E. Franssen
PA5288	<b>Mortality and feasibility of single-limb passive circuit use during home invasive mechanical ventilation: a real-life experience</b> Letizia Valsecchi (Torino, Italy), Stefania Muggianu, Marco Michele Bardessono, Michela Maria Bellocchia, Chiara Chiappero, Alessio Mattei, Giulia Anna Poggio, Fulvia Ribolla, Rocco Francesco Rinaldo, Giuseppe Tabbia, Paolo Solidoro
PA5289	<b>COPD patients' experience with long-term non-invasive ventilation: A qualitative study</b> Tine Peick Sonne (Copenhagen, Denmark), Caroline Hedsund, Rasmus Rude Laub, Philip Deleuran Thurø, Jon Torgny Wilcke
PA5290	<b>"Negative pressure ventilation"(IAPV) as supplement to NIPPV in diaphragmatic paralysis as interface rotation: Single Center experience</b> Jacopo Civello (milan, Italy), Salvatore Longobardi, Sara Bombelli, Chiara Travierso, Michele Chiericozzi, Paolo Tarsia
PA5291	<b>Neuromuscular Patients Dependent on Non Invasive Mechanical Ventilation: Psychological Factors Influencing Adherence to NIV</b> Anna Annunziata (Napoli (NA), Italy), Antonietta Coppola, Cecilia Calabrese, Francesca Simioli, Angela Mirizzi, Antonella Marotta, Lidia Atripaldi, Giuseppe Fiorentino
PA5292	<b>Late Breaking Abstract - High-Flow Nasal Oxygen vs. Conventional Oxygen Therapy in severe COVID-19 patients and a do-not-intubate order: a retrospective multi-cohort study</b> Daphne Sjaauw (Rotterdam, Netherlands), Lisa Hessels, Marieke Duiverman, Sara Baart, Judith Elshof, Matthijs Janssen, Yasemin Turk, Leo Heunks, Evert-Jan Wils

PS-6 Session 486 12:30 - 14:00

Poster session: Novel environmental impacts and biomarkers of lung injury

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

Method(s) : Cell and molecular biology Pulmonary function testing Pulmonary rehabilitation Imaging Physiology Public health  
Respiratory intensive care Transplantation

Tag(s) : Translational

Chairs : Audrey Joannes (RENNES, France), H. Irene Heijink (Groningen, Netherlands)

PA5293	<b>Regenerative Signatures in Bronchioalveolar Lavage of Acute Respiratory Distress Syndrome</b> HONGLONG JI (Maywood, United States), Runzhen Zhao, Nan Xi, Marco Hadisurya
PA5294	<b>Differential expression of WISP1 in Asthma and COPD reveals unique molecular signatures</b> Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Daiana Stolz
PA5295	<b>miRNA expression profiling of lung endothelial cells reveals elevated miR-205-5p in aged mice with persistent lung fibrosis and in IPF-derived endothelial cells</b> Giuseppe Muscato (Catania, Italy), Benjamin B Roos, Fiorenza Gianì, Patrick A Link, Ahmed A Raslan, Carlo Vancheri, Daniel J Tschumperlin, Nunzia Caporarello
PA5296	<b>Evaluating blood inflammatory cells in smokers and patients with COPD: implications for COPD management</b> Wenyang Lu (Newnham, Australia), Josie Larby, Greg Haug, Sukhwinder Singh Sohal

<b>PA5297</b>	<b>Early and accurate diagnosis of systemic sclerosis-related interstitial lung disease: matrix metalloproteinases and their inhibitors as promising biomarkers</b> Verónica Pulito-Cueto (Santander, Spain), Belén Atienza-Mateo, J.Gonzálo Ocejo-Vinyals, Victor Mora-Cuesta, David Iturbe-Fernández, Joao C. Batista-Liz, María Sebastián Mora-Gil, Mónica Renuncio García, Elena González-López, Ricardo Blanco, Raquel López-Mejías, José M. Cifrián
<b>PA5298</b>	<b>The regulatory effect of VCL/ICAM-1 pathway on the mechanism of inflammatory exudative damage of gas-blood barrier in SARS-CoV-2 patients</b> Xue Mingshan (Guangzhou, China), Sun Baoqing, Lin Zhiwei, Xiaowen Wang
<b>PA5299</b>	<b>Impaired alveolar regeneration in patients with Anti-MDA5+ DM associated rapidly progressive ILD</b> Wenxiu Xu (Beijing, China), Shiyao Wang, Guowu Zhou, Huaping Dai, Qingyuan Zhan
<b>PA5300</b>	<b>TGF-β1 Overexpression in Severe COVID-19 Survivors: Implications for Early-Phase Fibrotic Abnormalities and Long-Term Functional Impairment</b> Enrique Alfaro Garcia (Madrid, Spain), Raquel Casitas, Elena Díaz-García, Sara García-Tovar, Raúl Galera, María Vargas, María Fernández-Velilla, Cristina López-Fernández, José M. Añón, Francisco García-Río, Carolina Cubillos-Zapata
<b>PA5301</b>	<b>Endothelial Dysfunction and Persistent Inflammation in Severe Post-COVID-19 Patients: Implications for Gas Exchange</b> Enrique Alfaro Garcia (Madrid, Spain), Elena Díaz-García, Sara García-Tovar, Raúl Galera, Raquel Casitas, María Vargas, Cristina López-Fernández, José M. Añón, Francisco García-Río, Carolina Cubillos Zapata
<b>PA5302</b>	<b>Recapitulation of human pathophysiology and identification of forensic biomarkers in a translational model of chlorine inhalation injury</b> Sven-Eric Jordt (Durham, NC, United States), Michael A. Gentile, Carolyn J. Albert, Kevin A. Schulte, Brooke G. Pantazides, Brian S. Crow, Jennifer Quiñones-González, Jonas W. Perez, David A. Ford, Rakesh P. Patel, Thomas A. Blake, Michael D. Gunn, Satyanarayana Achanta
<b>PA5303</b>	<b>Alterations in the core-matrisome profiles between healthy and COPD lungs</b> Natalia El-Merhie (Giessen, Germany), Juliane Merl-Pham, Rajender Nandigama, Clemens Ruppert, Andreas Guenther, Malgorzata Wygrecka, Stefanie M. Hauck, Rajkumar Savai, Claudia A. Staab-Weijnitz, Marek Bratkuhn, Grazyna Kwapiszewska
<b>PA5304</b>	<b>Effect of lipid saturation and oxidation on fibrogenesis in IPF</b> Marissa O'Callaghan (County Cork, Ireland), Harshavardhana Ediga, Elizabeth J Tarling, Evelyn Lynn, Aurelie Fabre, Elizabeth F Redente, James P Bridges, Satish Madala, Michael P. Keane, Cormac Mccarthy
<b>PA5305</b>	<b>Molecular and Therapeutic Significance of sNASP-TRAF6 axis in DEP-exacerbated airway allergic asthma</b> Feng-Ming Yang (Taipei, Taiwan), Chu-Yun Chen
<b>PA5306</b>	<b>Identification of molecular mechanisms driving hypercapnia-induced downregulation of protein translation in the alveolar epithelium</b> Vitalii Kryvenko (Giessen, Germany), Elisa Schnell, Werner Seeger, István Vadász
<b>PA5307</b>	<b>Exploring the influence of fibrotic tumour microenvironment on lung cancer development using in vitro 2D y 3D cell culture models</b> Isabel Alfaya Fiaño (barcelona, Spain), Paloma Millan Bili, Maria Saigi, Oscar Mesía-Carbonell, Marco Rallo, Marina Tuxans, Antoni Rosell Gratacós, Jorge Abad Capa, Raquel Guillamat Prats, Karina Portillo Carroz
<b>PA5308</b>	<b>Human lung alveolar cells exposed to cigarette smoke: role of 3,5-diiodothyronine in mitochondrial dysfunction</b> Francesca Panico (Napoli, Italy), Giuseppe Spaziano, Davida Mirra, Renata Esposito, Rosalba Senese, Giuseppe Petito, Antonia Lanni, Rita Citraro, Luca Gallelli, Bruno D'Agostino
<b>PA5309</b>	<b>Cigarette Smoke with Poly I:C Challenges as an exacerbation model of acute lung inflammation</b> George Scott (Tarrytown, United States), Kaitlyn Gayvert, Weikeat Lim, Andrew Murphy, Seblewongel Asrat, Matthew Sleeman, Jamie Orengo
<b>PA5310</b>	<b>Human Epididymis Protein 4 (HE4): more than a marker for lung injury?</b> Nazia Chaudhuri (Limavady, United Kingdom), Koray Potel, Paul Peppard, Alhussein Khawaji, Fanchia MCGovern, Fiona Furlong, Bettina Schock
<b>PA5311</b>	<b>Air pollution causes stemness and progenitor dysfunction in AECII: the potential for COPD development.</b> Yu-syuan Shih (Taipei, Taiwan), SYUE-WEI PENG, Hsiao-Chi Chuang
<b>PA5312</b>	<b>Understanding the Impact of Macrophages on Lung Transplant Outcomes</b> Edith Katharina Plucinski (Hannover, Germany), Jan-Christopher Kamp, Svenja Gaedcke, Christopher Werlein, Da-Hee Park, Jens Gottlieb, Tobias Welte, Hans-Heinrich Kreipe, Danny David Jonigk, Lavinia Neubert, Mark Philipp Kühnel

## PS-7 Session 487 12:30 - 14:00

## Poster session: Understanding the multifaceted dynamics of lung infections

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

Method(s) : Cell and molecular biology Respiratory intensive care Imaging

Tag(s) : Translational

Chairs : Laura Gleeson (Dublin, Ireland), Mareike Lehmann (Marburg, Germany)

- PA5313 Multiplex Immunofluorescence and Multispectral Imaging as a tool to evaluate host directed therapy against tuberculosis**  
Nikolas Jakobs (Lübeck, Germany), Kerstin Walter, Johanna Volz, Torsten Goldmann, Sebastian Marwitz, Markus Weckmann, Folke Brinkmann, Christoph Hölscher
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- PA5315 Inflammatory mediators and lung function in older COVID-19 survivors.**  
Daniela Cataneo (Mexico City, Mexico), Leslie Chávez-Galán, Lidia Mondragón-Posadas, Natalia Sánchez-Garrido, Ivette Buendía-Roldán
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- PA5316 A novel aerosolised mRNA-based vaccine delivery platform**  
Sean McCarthy (Galway, Ireland), Shanshan Du, Lanzhi Liu, Ignacio Sallent, Abigail Warren, Claire H. Masterson, Matt Angel, Christopher Rohde, John G. Laffey, Daniel O'Toole
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- PA5317 Study of the humoral immune response against SARS-CoV-2 post-infectious and post-vaccination**  
Fatima Zahra SQUID (Alger, Algeria), Samia Mamouzi, Ali Zerouki
- 
- PA5318 Neural Network-Assisted Humanization of COVID-19 Hamster Transcriptomic Data Reveals Matching Interspecies Severity States**  
Peter Pennitz (Berlin, Germany), Vincent Friedrich, Emanuel Wyler, Julia Adler, Dylan Postmus, Luiz-Gustavo Teixeira, Julia Prigann, Fabian Pott, Daria Vladimirova, Thomas Hoefler, Cengiz Goekeri, Markus Landthaler, Christine Goffinet, Antoine-Emmanuel Saliba, Markus Scholz, Martin Witzenrath, Jakob Trimpert, Holger Kirsten, Geraldine Nouailles
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- PA5319 Mitochondrial antiviral signalling protein (MAVS) triggers innate immunity against bacterial lung infection**  
Timothy Hinks (Oxford, United Kingdom), Yuqing Long, Michael Edwards, James Porter, Paul Klenerman
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- PA5320 Late Breaking Abstract - Human airway epithelia clear rhinovirus-infected cells by extrusion**  
Faith Fore (London, United Kingdom), Dustin Bagley, Jody Rosenblatt
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- PA5321 Tyndallized bacteria prime bronchial epithelial cells to mount an effective innate immune response against infections**  
Maria Ferraro (Palermo (PA), Italy), Serena Di Vincenzo, Caterina Di Sano, Claudia D'Anna, Velia Malizia, Andreina Bruno, Marta Cristaldi, Chiara Cipollina, Valentina Lazzara, Paola Pinto, Stefania La Grutta, Elisabetta Pace
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- PA5322 Sputum Azurocidin-1 is a marker of disease severity and microbiome dysbiosis in adult bronchiectasis, and increases in response to Rhinovirus challenge in COPD.**  
Emma Johnson (Paisley (Renfrewshire), United Kingdom), Megan Crichton, Amy Gilmour, Merete Long, Morven Shuttleworth, Erin Cant, Anthony De Soyza, Katerina Dimakou, Michal Shteinberg, Arietta Spinou, Felix Ringshausen, Natalie Lorent, Pieter Goeminne, Michael Loebinger, Sanjay Chotirmall, Raja Dhar, Charles Haworth, Josje Altenburg, Francesco Blasi, Tobias Welte, Oriol Sibila, Stefano Aliberti, Amelia Shoemark, Patrick Mallia, Joseph Footit, Sebastian Johnston, Aran Singanayagam, James Chalmers
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- PA5323 Under the hypercapnic challenge: how macrophages react to pneumonia-causing bacteria**  
Elena Campaña-Duel (Sabadell, Spain), Adrian Ceccato, Aina Areny-Balagueró, Sara Quero, Lluís Blanch, Laia Fernández-Barat, Antonio Artigas, Marta Camprubi-Rimblas
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- PA5324 A role for anti-IL33 strategies to limit the epithelial rhinoviral response?**  
Ian Sayers (Nottingham, United Kingdom), Michael Portelli, Azaz Ahmed
- 
- PA5325 OM-85's anti-rhinovirus response assessed on human primary nasal epithelial cells**  
Susan De Groof (Bern, Switzerland), Sara Gammenthaler, Christian Pasquali, Loretta Müller
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- PA5326 Cohort of Spanish population in post-infectious bronchiolitis obliterans, role of epigenetic regulation by microRNAs**  
Gemma Garcia del Cerro (Barcelona, Spain), Ines De Mir Messa, Alba Torrent Vernetta, Ralf Schubert, Silvija-Pera Jerkic, Nuria Camats Tarruella, Noelia Baz Redon, Antonio Moreno Galdo, Sandra Rovira Amigo, Ana Diez Izquierdo, Ignacio Iglesias Serrano, Laura Armendariz Lacasa, Fatima Castillo Gomez, Silvia Gartner Tizzano
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- PA5327 Polyamines as regulators of pulmonary inflammation**  
Polina Yarova (Newcastle upon Tyne, United Kingdom), Rayyan B.A. Al-Zadjali, Jonathan Scott, Elisia Josiah, Emma Turnbull, Caitlin E. Ebborn, Vsevolod S. Telezhkin, Anthony Rostron, Daniela Riccardi, A. John Simpson
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- PA5328 Unveiling the Immunophenotypes of Pneumonitis in Cancer Treatment Through Mass Cytometry Exploration**  
Toyoshi Yanagihara (Fukuoka, Japan)



**PA5329 Mendelian randomization analysis identifies intestinal flora causally associated with asthma-related infections and pneumonia**  
Zi-Xuan Cheng (Shanghai, China), Zi-Xuan Chen, Jing Zhang

**PA5330 Immune cell migration in severe pneumonia**  
Linjing Gong (Sichuan, China), Yucan Zhao, He Yu, Sifan Zhang, Guanglei Yang, Weiya Wang, Xuyu Cai, Ye Wang

**PA5331 Plasma and bronchoalveolar lavage inflammatory profiles predicts severe disease outcomes in patients with COVID-19 and Influenza**  
Joaquin Zuniga (Ciudad de México, Mexico), Tatiana Rodríguez-Reyna, Luis Jiménez-Alvarez, Alfredo Cruz-Lagunas, Nora Regino-Zamarripa, Valeria Irineo-Moreno, Maria Leyva-Zilli, Victoria Munoz-Guido, Diana Moreno-Arellano, Gustavo Ramirez-Martinez

**PA5332 The CX3CL1 Chemokine in Bronchoalveolar Lavage Fluid and its Cellular Sources in Diffuse Parenchymal Lung Diseases**  
Eva Tedlova (Bratislava, Slovakia), Magda Suchankova, Jan Urban, Vladimir Leksa, Eszter Zsemlye, Michaela Kardohelyova, Martina Ganovska, Elena Tibenska, Kinga Szaboova, Marta Hajkova, Maria Bucova

**PS-8 Session 488 12:30 - 14:00**

**Poster session: Sleep-disordered breathing and cardiovascular risk, comorbidities and mortality**

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

**Method(s) :** General respiratory patient care Epidemiology Public health Physiology Pulmonary function testing

**Tag(s) :** Clinical

**Chairs :** Georgia Trakada (Patra, Greece), Cliona O'Donnell (Dublin 4, Ireland)

**PA5333 Association between various sleep behaviors and the risk of metabolic-associated fatty liver disease: A cross-sectional analysis.**  
Yuqing Cai (Fujian Province, China), Jia Chen, Xiaoyu Deng, Caiyun Wang, Jiefeng Huang, Ningfang Lian

**PA5334 Role of intestinal metabolites in the impact of obstructive sleep apnea on immunotherapy for lung cancer**  
Peining Zhou (Beijing, China), Cuiyan Guo, Ligong Nie, Cheng Zhang, Yuan Cheng, Jing Ma, Guangfag Wang

**PA5335 Obstructive Sleep Apnea and Major Osteoporotic Fractures Risk**  
Daniela Krasimirova (Sofia, Bulgaria), Ventsislava Pencheva-Genova, Ognyan Georgiev, Radoslav Bilyukov, Tzanko Mondeshki, Sevda Naydenska-Grudkova

**PA5336 Impact of the visceral adipose tissue on respiratory and bone variables in patients with untreated mild-to-severe obstructive sleep apnoea**  
Giulia Sartori (verona, Italy), Andrea Gretter, Federica Margherita Lovati, Rosaria Caprino, Giovanni Viterale, Francesco Bertoldo, Ernesto Crisafulli

**PA5337 Co-morbid insomnia and sleep apnoea is associated with increased hypertension risk in a middle-aged population**  
Ding Zou (Gothenburg, Sweden), Mio Kobayashi Frisk, Joel Bergqvist, Sven Svedmyr, Philippe Diamantis, Göran Bergström

**PA5338 Synergy of Smoking and Obstructive Sleep Apnea: Cardiovascular Comorbidity and Oxygenation Impact**  
María de la Fuente (Logroño, Spain), Marta Cristeto, Alejandra Roncero, Paula Rodríguez, Mariola Bretón, M. Dolores Ramírez, María Torres, Carlos Ruíz

**PA5339 Development and validation of a nomogram to predict hypertension in patients with Sleep-disordered breathing: A Chinese Community-Based Study**  
Feng Tong (Guangzhou City, China), Qiong Ou

**PA5340 Obstructive Sleep Apnoea and C-reactive protein levels: Data from the ESADA**  
Ludger Grote (Göteborg, Sweden), Haralampos Gouveris, Lea Lethuillier, Johan Verbraecken, Ozen Basoglu, Sophia Schiza, Ondrej Ludka, Silke Ryan, Pavol Joppa, Francesco Fanfulla, Stefan Mihaicuta, Pawel Sliwinski, Tarja Saaresranta, Jan Hedner, Jean Louis Pepin, Sebastien Bailly

**PA5341 Preserved ratio impaired spirometry and OSA may contribute to cardio-metabolic complications: evidence from the ESADA cohort**  
Athanasia Pataka (Thessaloniki, Greece), Izolde Bouloukaki, Paschalis Steiropoulos, Carolina Lombardi, Johan Verbraecken, Ozen Basoglu, Dries Testelmans, Georgia Trakada, Ludger Grote, Mafalda Van Zeller, Maria Bonsignore, Walter McNicholas, Sophia Schiza

**PA5342 Effect of OSA on severity and clinical outcomes of patients with Acute Pulmonary Embolism (PE)**  
Eirini Vasarmidi (Heraklion (Crete), Greece), Izolde Bouloukaki, George Stathakis, Vaia Stamatopoulou, Georgios Pitsidianakis, Ioanna Mitrouska, Iirini Foteinaki, Michail Fanaridis, Nikolaos Tzanakis, Sophia Schiza



<b>PA5343</b>	<b>Prevalence of Obstructive Sleep Apnea among patients with Venous Thromboembolic Disease: a systematic review and meta - analysis.</b> Carlos Carrera Cueva (Sevilla, Spain), Antoni Javier Vallejo Vaz, Elva María Mendoza Zambrano, Adela Berenice Brown Arreola, Verónica Sánchez López, Francisco Javier Medrano Ortega, Enrique José Calderón Sandubete, Candelaria Caballero Eraso, Remedios Otero Candelera
<b>PA5344</b>	<b>Clinical patterns of severe obstructive sleep apnea (OSA): a cluster analysis based on systematic assessment</b> Biwen Mo (Gui Lin, China), Dong Yao, Yan Zhou, Shuyuan Chu
<b>PA5345</b>	<b>Urinary metabolomic biomarkers predict early cardiovascular risk in moderate-to-severe obstructive sleep apnea</b> Jinmei Luo (Beijing, China), Yuxin Wang, Xiaona Wang, Rong Huang, Yi Xiao
<b>PA5346</b>	<b>The prognostic capacity of Sleep apnea-specific hypoxic burden on the incidence of cardiovascular events: A comparative study with tradicional polygraphic parameters in patients with Obstructive Sleep Apnea.</b> Grace Jacqueline Oscullo Yepez (Valencia, Spain), Thais Beuperthuy Levi, Marina Inglés Azorin, Sergio Mompean Rodríguez, Rosalía Martínez Perez, Jose Gomez Olivas, Consuelo Lopez Fornas, Viviana Rocio Oscullo Yepez, Amina Bekki, Alberto García Ortega, Manuel Sanchez De La Torre, Miguel Angel Martínez García
<b>PA5347</b>	<b>Sustained oximetric desaturation as a cardiac risk indicator remains correlated with nonspecific sleep apnea indices.</b> Neil Skjodt (Lethbridge (AB), Canada)
<b>PA5348</b>	<b>Does An Association Exist Between A PSG Parameter and Cardiovascular Risks?</b> Anshu Priya (New Delhi (Delhi), India), Amita Athavale
<b>PA5349</b>	<b>Comparisons of cardiovascular risk scores in patients with obstructive sleep apnea - the European Sleep Apnea Database (ESADA)</b> Ding Zou (Gothenburg, Sweden), Dries Testelmans, Sandhya Matthes, Sébastien Baillieul, Izolthi Bouloukaki, Ozen K. Basoglu, Pawel Sliwinski, Paschalis Steiropoulos, Johan Verbraecken, Carolina Lombardi, Gianfranco Parati, Walter T. McNicholas, Silke Ryan, Sophia Schiza, Winfried Randerath, Sébastien Bailly On Behalf Of Esada Group
<b>PA5350</b>	<b>Sleep apnea is associated with reduced in-hospital mortality in patients admitted for acute heart disease</b> Florent Baty (St. Gallen, Switzerland), Maurice Moser, Gian-Reto Kleger, Micha Maeder, Hans Rickli, Otto Schoch, Martin Brutsche
<b>PA5352</b>	<b>TRENDS IN CARDIOVASCULAR MORTALITY IN PATIENTS WITH SLEEP APNEA IN THE UNITED STATES FROM 1999 TO 2020</b> Muhammad Ali Tariq, Ahmed Gang, Minhail Malik

**PS-9** Session 489 12:30 - 14:00

Poster session: Unravelling the potential of interleukin-5 pathways in asthma

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

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

Tag(s) : Translational

Chairs : Francisco Javier Salgado Castro (Santiago De Compostela, Spain), Madeleine Rådinger (Göteborg, Sweden)

<b>PA5353</b>	<b>Impact of anti-eosinophilic biologic strategies on bronchial hyperreactivity in severe asthma</b> Mario Di Stasio (Roma, Italy), Francesca Cefaloni, Cristina Boccabella, Luca Richeldi, Matteo Bonini
<b>PA5354</b>	<b>Baseline characteristics of patients with severe eosinophilic asthma treated with benralizumab who reduced to anti-inflammatory reliever only vs high-, medium- or low-dose inhaled corticosteroid/formoterol: SHAMAL post-hoc analysis</b> Brian Kent (Dublin, Ireland), Katrin Milger-Kneidinger, Liam G Heaney, Andrew Menzies-Gow, Anat Shavit, Lynda Olinger, David J Jackson
<b>PA5355</b>	<b>Factors influencing lung function changes when inhaled corticosteroid/formoterol is reduced in patients with severe eosinophilic asthma treated with benralizumab</b> David Jackson (London, United Kingdom), Anat Shavit, Frank F Käbner, Andrew Menzies-Gow, Lynda Olinger, Fabiano Di Marco, Gilles Devouassoux
<b>PA5356</b>	<b>Asthma Exacerbation Profile on open label treatment with Benralizumab for severe eosinophilic asthma [BenRex]</b> Jennifer Logan (Glasgow, United Kingdom), Kirsty Wetherall, Lynsey Gillespie, Alex Mcconnachie, Wai-Ting Nicola Lee, Hassan Burhan, Thomas Brown, Shoaib Faruqi, David J Jackson, Ramesh Kurukulaaratchy, Adel H Mansur, Dinesh Saralaya, Stephen J Fowler, Pujan Patel, James Brown, James Lordan, Salman Siddiqui, Steven J Smith, Vijay Mistry, Vanessa Brown, Peer Ameen Shah, Ratko Djukanovich, Ian D Pavord, Liam G Heaney, Christopher E Brightling, Rekha Chaudhuri

PA5357	<b>Exacerbation reduction data with benralizumab in subgroups of patients with severe eosinophilic asthma (SEA) from Central Europe and Baltics (BREEZE)</b> Kestutis Malakauskas (Kaunas, Lithuania), Maria Staevska, Zsuzsanna Csoma, Norbert Pauk, Béla Irás, Jurate Baukiene, Florin Mihaltan
PA5358	<b>Early and continued asthma control improvement in patients with severe eosinophilic asthma (SEA) over 1 year post benralizumab initiation: real-world XALOC-2 programme</b> Lieven Dupont (Leuven, Belgium), Erika Penz, Benjamin Emmanuel, Trung N Tran, Andrew Menzies-Gow, Anat Shavit, David Cohen, Calvin N Ho, Tanja Plate, Sheena Kayaniyil, An Herreman, Claudio Schuoler, Marek Lommatzsch, Thomas Rothe
PA5359	<b>Effect of dupilumab on small airway dysfunction in real-life severe asthma: Japanese multi-center prospective cohort</b> Toshihiro Shirai (Shizuoka, Japan), Keita Hirai, Taisuke Akamatsu, Kenji Mizumura, Yasuhiro Gon, Hitoshi Sasano, Norihiro Harada, Akihiko Tanaka, Hironori Sagara, Katsunori Masaki, Koichi Fukunaga, Konomi Kobayashi, Hiroyuki Nagase, Nobuaki Miyahara, Arihiko Kanehiro, Noboru Kitamura, Naruhiko Sugihara, Junko Terada, Masayuki Hojo, Kazuyuki Chibana, Etsuko Tagaya
PA5360	<b>Evaluation of mepolizumab (MPZ) treatment in Eosinophilic Granulomatosis with Polyangiitis (EGPA) patients in an asthma clinic</b> Laura Castellanos López (Madrid, Spain), Carolina Cisneros Serrano, María Celeste Marcos, Marta Solís García, Ana Sofía Martín Hernández, Mateo Hevia Menéndez, Ana Arcos García, Adrián Peláez-Laderas, Carlos Melero Moreno
PA5361	<b>Blood eosinophil subtype distribution following treatment with mepolizumab in patients with severe eosinophilic asthma</b> Airidas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasyle, Jolita Palacionyte, Inesa Jermalaviciene, Skaidrius Miliuskas, Kestutis Malakauskas
PA5362	<b>Clinical variables associated with achieving improvement in asthma control with mepolizumab in patients from the REDES study</b> Christian Domingo Ribas (Sabadell (Barcelona), Spain), Teresa Carrillo Díaz, Eva Martínez Moragón, David Bañas Conejero, Peter Howarth, Lingjiao Zhang
PA5363	<b>The influence of Adherence to inhaled Corticosteroids (ICS) on treatment Response to mepolizumab treatment in severe Eosinophilic asthma</b> Mohammed Almutairi (Birmingham, United Kingdom), John Marriott, Zahraa Jalal, Louise Wood, Batool Almoosawi, Samantha Caddick, Babita Rajkumari, Susan Renwick, Siobhan Wilkinson, Caroline Gallagher, Thomas Duffin, Adel Mansur
PA5364	<b>Asthma remission in patients with eosinophilic granulomatosis with polyangiitis (EGPA) following treatment with benralizumab or mepolizumab</b> Arnaud Bourdin (Montpellier Cedex 5, France), Michael E Wechsler, David J Jackson, Salman Siddiqui, Peter Baudy, Andrew Menzies-Gow, Sofia Necander, Anat Shavit, Claire Walton
PA5365	<b>Reduction in FeNO on anti-IL5 biologics is associated with clinical remission of severe asthma</b> Marianne Bastrup Soendergaard (København N, Denmark), Susanne Hansen, Kjell Erik Julius Haakansson, Anna Von Bülow, Anne-Sofie Bjerrum, Johannes Martin Schmid, Claus Rikard Johnsen, Ole Hilberg, Charlotte Suppli Ulrik, Celeste Porsbjerg
PA5366	<b>Effectiveness of Mepolizumab in patients with late-onset severe eosinophilic asthma and fixed obstruction, a 2-Year Follow-Up: The MESILICO study</b> Kalliopi Domvri (Thessaloniki, Greece), Konstantinos Porpodis, Ioanna Tsiouprou, Savvas Damdounis, Petros Bakakos, Paschalis Steiropoulos, Athanasios Voulgaris, Konstantinos Katsoulis, Maria Kipourou, Konstantinos Kostikas, Katerina M Antoniou, Andriana I Papaioannou, Nikoletta Rovina, Paraskevi Katsaounou, Stavros Tryfon, Evangelia Fouka, Despoina Papakosta, Stelios Loukides
PA5367	<b>Effect of benralizumab on airway mucus, air-trapping and airway volume, assessed by functional respiratory imaging in severe eosinophilic asthma</b> Lennart Conemans (Maastricht, Netherlands), Miriam Groenen, Sami Simons, Martijn Spruit, Bitá Hajjan
PA5368	<b>Effect of immunosuppressant coadministration with mepolizumab for moderate to severe eosinophilic granulomatosis with polyangiitis(EGPA)</b> NAOMI TSURIKISAWA (Yokohama, Japan), Nami Masumoto, Yuto Motobayashi, Kosuke Terada, Yuka Kodama, Yuga Yamashita, Hinako Masumitsu, Takeshi Kaneko
PA5369	<b>Asthma loss of control after switch from anti-IL5/5R drugs to dupilumab in severe eosinophilic asthma: a case series.</b> Camille Taillé (Paris, France), Camille Poisson, Cécile Chenivresse, Édouard Cuvillon, Cindy Barnig, Caroline Clarot, Clairelyne Dupin, Gilles Mangiapan, Camille Rolland-Debord, Philippe Bonniaud

**PA5370 Diagnostic value of blood inflammatory and oxidative stress markers in severe allergic eosinophilic asthma patients undergoing anti-IL-5 therapy**  
Andrius Januskevicius (Kaunas, Lithuania), Jolita Palacionyte, Egle Vasyle, Airidas Rimkunas, Inesa Jermalaviciene, Skaidrius Miliauskas, Kestutis Malakauskas

**PA5371 Dupilumab Reduces Exacerbations and FeNO Levels and Improves Asthma Control with Inhaled Corticosteroid Withdrawal: a Phase 2 Study**  
Michael E. Wechsler (Denver, United States), David J. Jackson, Klaus F. Rabe, Ian D. Pavord, J. Christian Virchow, Rohit Katial, Elliot Israel, Changming Xia, Mena Soliman, Nami Pandit-Abid, Juby A. Jacob-Nara, Harry Sacks, Paul J. Rowe, Yamo Deniz

**PA5372 Late Breaking Abstract - Benralizumab reduces eosinophils and ANCA in sputum in EGPA**  
Manali Mukherjee (Hamilton (ON), Canada), Nadia Suray Tan, Chynna Huang, Brian Kim, Katherine Radford, Carmen Venegas Garrido, Anurag Bhalla, Eva Rodriguez-Suárez, Michael Wechsler, Brandie Walker, Lena Börjesson Sjö, Sofia Necander, Ali Ashkar, Julie Weidner, Roma Sehmi, Christopher McCrae, Nader Khalidi, Parameswaran Nair

## Lehar 3

## Session 490

12:45 - 13:45

**Joint session: Vaccine horizons: bridging gaps, building futures**  
a joint ERS / Industry session supported by GSK, Moderna & Pfizer

**Aims :** To explore key aspects of respiratory infections, focusing on their burden, prevention strategies, community engagement to enhance vaccine uptake and advancements in vaccine development; to shed light on the substantial burden of respiratory infections and effective preventive measures; to emphasise community engagement, highlighting strategies to improve vaccine uptake and enhance public health outcomes through collaboration with local communities; to delve into novel approaches and upcoming developments in vaccines against respiratory infections, offering insights into cutting-edge research and potential breakthroughs; to equip participants with comprehensive knowledge and practical approaches to combat respiratory infections and promote population health.

**Disease(s) :** Respiratory infections

**Method(s) :** Epidemiology Public health

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient, Physician in Pulmonary Training, Scientist (basic, translational), Journalist

**Chairs :** Cécile Magis-Escurra (Nijmegen, Netherlands)

12:45	<b>The burden of respiratory infections and how to prevent them</b> Leif Erik Sander (Berlin, Germany)	5373
13:00	<b>Vaccines against respiratory infections: novel approaches and upcoming developments</b> Thomas Wilkinson (Southampton (Hampshire), United Kingdom)	5374
13:15	<b>Community engagement: how to improve vaccine uptake and public health outcomes</b> Odile Launay (Paris, France)	5375
13:30	<b>Discussion and Q&amp;A</b> All Speakers	5376

## Studio

## Session 492

13:00 - 14:00

**Skills lab: Oscillometry and spirometry**

**Aims :** To demonstrate the measurement of lung function with simple (handheld) and/or professional spirometers, including how to prepare the equipment and perform an optimal test; to demonstrate forced oscillometry measurements and to highlight techniques that ensure accuracy; to discuss the interpretation of results, the clinical relevance of measurements and the advantages/disadvantages of the two techniques. All this will be achieved with live demonstrations, case studies of adults/children and interactive questions/discussion.

**Disease(s) :** Airway diseases

**Method(s) :** Pulmonary function testing

**Tag(s) :** Clinical

**Chairs :** Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands), Apostolos Bossios (Stockholm, Sweden)

13:00	<b>Introduction</b> Frans H.C. De Jongh (Enschede, Netherlands), Apostolos Bossios (Stockholm, Sweden)	5381
13:05	<b>Spirometry procedure</b> Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands)	5382

**13:15 Oscillometry procedure** 5383  
Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands)

**13:35 Case discussion (Spirometry paediatric, adult, oscillometry)** 5384  
Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands), Chung-Wai Chow (Toronto (ON), Canada)

**C4 Session 493 13:45 - 15:15**

**State of the art session: Airway diseases**

**Treatable traits in airway diseases: novel insights with a focus on personalised medicine**

**Aims :** To provide an update on the concept of treatable traits; to discuss the everyday treatable traits encountered in clinical practice and the proposed treatable traits, which are based on the two dominant phenotypes, T2 high and low; to focus on eosinophils and infections as the key factors in these phenotypes, which often co-exist; to discuss extrapulmonary treatable traits; to provide valuable knowledge and insights that will help participants provide better care to their patients.

**Disease(s) :** Airway diseases Respiratory infections

**Method(s) :** General respiratory patient care Physiology

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational)

**Chairs :** Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Nicolas Roche (Paris, France)

**13:45 Eosinophilic airway inflammation** 5385  
Alexander Mathioudakis (Manchester, United Kingdom)

**14:00 Bacterial, viral and fungal infections** 5386  
Sanjay Haresh Chotirmall (Singapore, Singapore)

**14:15 Extrapulmonary treatable traits: prevalence, burden and undertreatment** 5387  
Lowie Vanfleteren (Göteborg, Sweden)

**14:30 Recognising treatable traits and including them in the model of care for a personalised approach to airway diseases** 5388  
Vanessa M. McDonald (Newcastle (NSW), Australia)

**14:45 Discussion and Q&A** 5389  
All Speakers

**C2 Session 494 13:45 - 15:15**

**Clinical trials session: ALERT 3: Combating infection: children, adults and cystic fibrosis**

**Aims :** The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.

**Method(s) :** General respiratory patient care

**Tag(s) :** Clinical

**Chairs :** Darren Taichman (Boston, United States), Refika Hamutcu Ersu (Ottawa, Canada)

**Discussants :** Natalie Lorent (Leuven, Belgium), Stefan Unger (Edinburgh (Edinburgh), United Kingdom)

**RCT5390 RCT Abstract - Inhaled colistimethate sodium in patients with bronchiectasis and Pseudomonas aeruginosa infection: Results of two randomized double-blind placebo-controlled phase 3 trials assessing safety and efficacy over 12 months**  
Charles Haworth (Cambridge, United Kingdom), Michal Shteinberg, Kevin Winthrop, Alan Barker, Francesco Blasi, Katerina Dimakou, Lucy Morgan, Anne O'Donnell, Felix Ringhausen, Oriol Sibila, Rachel Thomson, Kevin Carroll, Federica Pontenani, Paola Castellani, James Chalmers

**RCT5392 Wrap-up by discussant and discussion**  
Natalie Lorent (Leuven, Belgium)

**RCT5393 RCT Abstract - Effect of adjunct betamethasone vs placebo on time to clinical stabilisation upon hospital admission and risk of rehospitalisation in children with community-acquired pneumonia**  
Julia Bielicki (Basel, Switzerland), Malte Kohns Vasconcelos, Michael Coslovsky

<b>RCT5394</b>	<b>Late Breaking Abstract - An interventional crossover study on effectiveness air cleaning on incident infections in day care</b> Ville Vartiainen (Järvenpää, Finland), Inga Ehder-Gahm, Johanna Hela, Anni Luoto, Jussi-Pekka Juvola, Petra Nikuri, Aimo Taipale, Natalia Lastovets, Sampo Saari, Ilpo Kulmala, Arto Säämänen, Enni Sanmark, Piia Sormunen
<b>RCT5395</b>	<b>Late Breaking Abstract - 24-month outcomes of extended vs standard-course antibiotic therapy in children hospitalised with pneumonia in high-risk settings: a multi-centre RCT</b> Hing Cheong Kok (Kota Kinabalu, Malaysia), Gabrielle Mccallum, Stephanie Yerkovich, Keith Grimwood, Siew Moy Fong, Anna Nathan, Catherine Byrnes, Robert Ware, Nachal Nachiappan, Noorazlina Saari, Peter Morris, Tsing Wen Yeo, Victor Oguoma, I. Brent Masters, Jessie De Bruyne, Kah Peng Eg, Bilawara Lee, Mong How Ooi, John Upham, Paul Torzillo, Anne Chang
<b>RCT5396</b>	<b>Wrap-up by discussant and discussion</b> Stefan Unger (Edinburgh (Edinburgh), United Kingdom)
<b>RCT5397</b>	<b>Closing remarks</b> All Speakers

## C5 Session 495 13:45 - 15:15

### Hot topics: Paediatric asthma in 2024: from prevention to transition

**Aims :** To present the increasing evidence that antenatal, genetic and exposure factors influence not only the course of asthma but also its onset; to discuss data from large cohort studies and interventional trials that suggest the potential for primary prevention of asthma; to discuss asthma management strategies and the differences between children and adults care, as well as the need of an overarching strategy to ensure a seamless transition for the patient from childhood to adulthood.

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

**Method(s) :** Physiology Pulmonary function testing

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training

**Chairs :** Angela Zacharasiewicz (Wien, Austria), Andrew Bush (London, United Kingdom)

<b>13:45</b>	<b>Primary asthma prevention: where are we in 2024?</b> Bianca Schaub (Munich, Germany)	<b>5398</b>
<b>14:00</b>	<b>Indoor and outdoor air pollution and its effect over the lifespan causing asthma</b> Jonathan Grigg (London, United Kingdom)	<b>5399</b>
<b>14:15</b>	<b>Phenotype-based therapy: are paediatric and adult asthma different?</b> Erol Gaillard (Leicester, United Kingdom)	<b>5400</b>
<b>14:30</b>	<b>Challenges of transition from adolescent to adult asthma</b> Alexandra Nanzer (London, United Kingdom)	<b>5401</b>
<b>14:45</b>	<b>Patient's perspective</b> Kimberley Schlieter (, Germany)	<b>5402</b>
<b>14:50</b>	<b>Discussion and Q&amp;A</b> All Speakers	<b>5403</b>

## C1 Session 496 13:45 - 15:15

### Symposium: Pulmonary rehabilitation: global adaptation and implementation

#### Pulmonary rehabilitation: a global perspective

**Aims :** To describe the global guidance for pulmonary rehabilitation (PR) and to identify the need and gap particularly in low-to-middle-income countries; to describe the particular challenges, evidence and potential solutions for PR in low-to-middle-income countries including learning about cultural adaptation from high-income countries; to raise awareness of the health inequalities in access to PR globally and processes that can be utilised to reduce them; to describe ways to improve PR training and capacity.

**Disease(s) :** Airway diseases Interstitial lung diseases

**Method(s) :** General respiratory patient care Physiology Pulmonary rehabilitation

**Tag(s) :** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Thomas Gille (Bobigny, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)



13:45	<b>Detection of chronic respiratory disease and the challenges of disease management in low-to-middle-income countries</b> Sarah Rylance (Geneva, Switzerland)	5404
14:00	<b>Do we need to adapt pulmonary rehabilitation for delivery in low-to-middle-income countries?</b> Mark Orme (Leicester, United Kingdom)	5405
14:15	<b>How can we adapt pulmonary rehabilitation for diverse populations to reduce health inequalities?</b> Soo Chin Chan (Kuala Lumpur, Malaysia)	5406
14:30	<b>How can we increase capacity in pulmonary rehabilitation using examples from lower-to-middle-income countries?</b> Sundeeep Santosh Salvi (Pune (Maharashtra), India)	5407
14:45	<b>Patient's perspective</b> Kevin Ku Wing Soon (, Malaysia)	5408
14:50	<b>Discussion and Q&amp;A</b> All Speakers	5409

## C6 Session 497 13:45 - 15:15

### Respiratory medicine meets other disciplines: When systemic rheumatic diseases involve the lungs European Alliance of Associations for Rheumatology and European Respiratory Society session

**Aims :** To discuss rheumatic-associated pulmonary diseases, including clinical presentations, novel management recommendations, updates and the translational landscape, covering pulmonary vascular disease in systemic rheumatic diseases, including interstitial lung disease associated with rheumatoid arthritis, connective tissue disease including systemic sclerosis, mixed connective tissue diseases, and Sjogren's disease, as well as bronchiectasis related to rheumatoid arthritis, both from the rheumatology and pulmonology perspective.

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

**Method(s) :** Epidemiology General respiratory patient care Pulmonary rehabilitation

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

**Chairs :** Carlos Robalo Cordeiro (Coimbra, Portugal), Catharina C. Moor (Rotterdam, Netherlands), Maria Koulopoulou (London, United Kingdom)

13:45	<b>Patient's perspective</b> Ilaria Galetti (Toscolano Maderno, Italy)	5410
13:50	<b>Rheumatic-associated interstitial lung disease: rheumatologist's view</b> Anna Maria Hoffmann-Vold (Oslo, Norway)	5411
14:05	<b>Rheumatic-associated interstitial lung disease: pulmonologist's view</b> Michael Kreuter (Mainz, Germany)	5412
14:20	<b>Bronchiectasis in systemic rheumatic disease: pulmonologist's view</b> James D. Chalmers (Dundee (Angus), United Kingdom)	5413
14:35	<b>Bronchiectasis in systemic rheumatic disease: rheumatologist's view</b> Puja Mehta (New Haven, United States)	5414
14:50	<b>Discussion and Q&amp;A</b> All Speakers	5415

## A2 Session 498 13:45 - 15:15

### Symposium: Cystic fibrosis beyond cystic fibrosis: recent advances and new perspectives

**Aims :** To provide comprehensive understanding of the most up-to-date evidence and recommendations for respiratory and holistic care of people with cystic fibrosis, with particular mention of adult care.; to highlight the strong need for holistic care aimed at an adult population that is growing over time and developing new clinical needs; to increase awareness of the barriers that create the strong inequalities between countries in the provision of cystic fibrosis care; to provide insights into the ongoing European Cystic Fibrosis Society standards-of-care updates, which are expected to be published throughout 2024.

**Disease(s) :** Paediatric respiratory diseases Respiratory infections**Method(s) :** Epidemiology Transplantation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic surgeon, Journalist**Chairs :** Andrea Gramegna (Milano (MI), Italy), Eva Polverino (Barcelona, Spain), Bülent Taner Karadag (Istanbul, Turkey)

13:45	<b>A changing scenario: will we still see advanced lung disease?</b> Pierre-Régis Burgel (Paris, France)	5416
14:00	<b>Standards for the care of people with cystic fibrosis: insights from the European Cystic Fibrosis Society update for 2024</b> Michal Shteinberg (Haifa, Israel)	5417
14:15	<b>Tackling health inequalities in the global cystic fibrosis community</b> Samia Hamouda (Tunis, Tunisia)	5418
14:30	<b>Acquired cystic fibrosis transmembrane conductance regulator dysfunction in chronic respiratory diseases: a new mechanism to treat?</b> Marcus Mall (Berlin, Germany)	5419
14:45	<b>Discussion and Q&amp;A</b> All Speakers	5420

**C3** Session 499 13:45 - 15:15**Symposium: Lung cancer screening: considering and acting on developing needs****Aims :** To cover the existing situation of lung cancer screening (LCS) in Europe and provide a gap analysis identifying existing needs to be addressed based on the first results of SOLACE (European Respiratory Society-led European Union-funded project), the new pan-European LCS guidelines (to be finalised in the first quarter of 2024), quality standards and quality assurance processes in LCS, and standard operating procedures and service specifications of LCS programmes, with the view to offer practical information for pragmatic implementation and setting-up of LCS programmes in a real clinical setting.**Disease(s) :** Thoracic oncology**Method(s) :** General respiratory patient care Imaging Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist**Chairs :** Marcello Migliore (Riyadh, Saudi Arabia), Marjolein A. Heuvelmans (Amsterdam, Netherlands)

13:45	<b>Patient's perspective</b> Blanka Cepická (Prague, Czech Republic)	5422
13:50	<b>Lung cancer screening implementation gaps in Europe</b> Joanna Chorostowska-Wynimko (Warsaw, Poland)	5423
14:05	<b>Pan-European guidelines for lung cancer screening: does one size fit all?</b> Torsten Gerriet Blum (Berlin, Germany)	5424
14:20	<b>How to translate quality standards into good lung cancer screening programmes: the United Kingdom experience</b> David Baldwin (Nottingham (Nottinghamshire), United Kingdom)	5425
14:35	<b>Update on incidental findings in low-dose computed tomography lung cancer screening for pulmonologists: emphysema, interstitial lung abnormalities and beyond</b> Georgia Hardavella (Athens, Greece)	5426
14:50	<b>Discussion and Q&amp;A</b> All Speakers	5427

**A1** Session 502 14:15 - 15:30**Oral presentation: Emerging insights in prognostic aspects and positive airway pressure treatment for obstructive sleep apnoea**

**Disease(s) :** Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Public health Physiology Cell and molecular biology**Tag(s) :** Clinical**Chairs :** Esther Irene Schwarz (Zürich, Switzerland), Dries Testelmans (Leuven, Belgium)

- OA5433** **Late Breaking Abstract - A randomized, double-blind, placebo controlled, dose-finding trial of sulthiame in obstructive sleep apnea**  
Jan A. Hedner (Göteborg, Sweden), Ludger B. Grote, Kaj Stenlof, Katrin Kuhn, Corinna Hansen, Andreas Voelp, Winfried Randerath
- 
- OA5434** **Nightly variation in OSA severity and next day blood pressure**  
Bastien Lechat (Adelaide, Australia), Duc Phuc Nguyen, Jack Manners, Barbara Toson, Pierre Escourrou, Peter Catcheside, Danny Eckert
- 
- OA5435** **Sleep apnea-specific pulse-rate response, cardiovascular risk and response to positive airway pressure.**  
Margaux Blanchard (Sainte-Gemmes-sur-Loire, France), Théo Imler, Wen-Hsin Hu, Adrien Waeber, Geoffroy Solelhac, Sandrine Kerbrat, Abdelkebir Sabil, Wojciech Trzepizur, François Goupil, Thierry Pigeanne, Sébastien Bailly, Ali Azarbarzin, Raphael Heinzer, Frédéric Gagnadoux
- 
- OA5436** **The impact of obstructive sleep apnea on the circadian rest-activity rhythm: a cross-sectional analysis of the ELSA-Brasil cohort**  
Adriano D. S. Targa (Lleida, Spain), Iván Benítez, Barbara Parise, Soraya Giatti, Ronaldo Santos, Esther Gracia-Lavedan, Mario Henríquez-Beltrán, Ferran Barbé, Luciano Drager
- 
- OA5437** **Differences in power consumption of continuous positive airway pressure (CPAP) devices**  
Clara Bianquis (Saint-Prix, France), Emeline Fresnel, Emilie Cottet, Johan Dupuis, Isabelle Arnulf, Wojciech Trzepizur, Adrien Kerfourn, Arnaud Prigent, Frederic Gagnadoux, Maxime Patout
- 
- OA5438** **CPAP effects on blood pressure in different OSA phenotypes – a meta-analysis**  
Lara Benning (Zurich, Switzerland), Joël Julien Herzig, Michelle Mollet, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz
- 
- OA5439** **Association of positive airway pressure adherence with the burden of antihypertensive medications in hypertensive patients with sleep apnoea: data from the IRSR Pays de la Loire Sleep Cohort.**  
Dany Jaffuel (Puimisson, France), Erika Nogue, Jean-Pierre Mallet, François Roubille, Sébastien Bailly, François Goupil, Thierry Pigeanne, Carole Hervé, Philippe Masson, Acya Bizieux-Thaminy, Margaux Blanchard, Sandrine Kerbrat, Abdelkebir Sabil, Wojciech Trzepizur, Nicolas Molinari, Frédéric Gagnadoux
- 
- OA5440** **Self-efficacy is an independent predictor of one-year PAP adherence trajectories**  
Sébastien Bailly (Grenoble, France), Thibaut Gentina, Jean Arthur Micoulaud-Franchi, Elodie Gentina, Jean Louis Pépin
- 
- OA5441** **CPAP effect on energy balance, chronotype, hormone, and body composition: a randomized controlled trial**  
Pei-Lin Lee (Taipei, Taiwan), Meng-Yueh Chien, Shang-Ru Lai, Joshua J. Gooley, Hsin-Chun Feng, Shih-Kuo Chen, Ming-Tzer Lin, Yung-Hsuan Chen, Hung-Chih Chiu, Po-Kang Liu, Bo-Wen Ku, Su-Mei Wang, Chin-Hao Chang, Wei-Shiung Yang, Chong-Jen Yu
- 
- OA5442** **Effect of CPAP on circulating levels of MPO and MMP-9 in adults with coronary artery disease and obstructive sleep apnoea: the RICCADSA randomized controlled trial**  
Yüksel Peker (Istanbul, Turkey), Semih Arbatli, Yeliz Celik, Tülay Yucel-Lindberg
- 
- OA5443** **Discussion and Q&A**  
All Speakers

A3

Session 503

14:15 - 15:30

**Oral presentation: Nursing role in global respiratory health****Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Epidemiology Palliative care Pulmonary rehabilitation**Tag(s) :** Clinical**Chairs :** José Miguel dos Santos Castro Padilha (Porto, Portugal), Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal)

- OA5444** **Late Breaking Abstract - The Effectiveness of digital interventions in promoting self-management in individuals with Chronic Obstructive Pulmonary Disease: an Umbrella Review**  
Ricardo Salgado (Lausanne, Switzerland), Hugo Fernandes, Véronique De Goumoëns, Blanche Kiszio, Patrício Costa, Miguel Padilha

- OA5445** **Willingness to involve in self-healthcare affects the recovery of hospitalized pneumonia patients.**  
Maria Granados Santiago (Alcaudete, Spain), Eva Rubio Calvo, Ana Belén Gámiz Molina, Pilar García González, Rosario Guerrero Arrabal, Marie Carmen Valenza
- 
- OA5446** **Results from a randomised controlled trial (RCT) of cognitive behavioural therapy (CBT) with respiratory nurses in patients with chronic obstructive pulmonary disease (COPD). Comparison of responders compared to non-responders at primary outcome.**  
Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Chris Stenton, Graham Burns, Carlos Echevarria, Julia Newton, Joanne Gray, Anthony De Souza
- 
- OA5447** **Empowering nurses in digital-age care: Enhancing self-management education and perceptions of digital tools for chronic obstructive pulmonary disease.**  
Agnes Yuen Kwan Lai (Hong Kong, Hong Kong), Shu Wah Ng, Maggie Lit, Denise Yee Shan Yiu, Asa Choi, Janet Wong, Gary Tse
- 
- OA5448** **Uncontrolled asthma associates with hospitalization and death due to COVID-19: a nationwide longitudinal study**  
Stina Selberg (Luleå, Sweden), Johanna Karlsson Sundbaum, Anne Lindberg, Jon R Konradsen, Caroline Stridsman
- 
- OA5449** **Optimising PR for COPD: Does Severity Matter?**  
Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Ângela Mota, Lara Lemos, Mariana Santos, Hélder Cunha, Inês Azevedo, Patricio Costa, José Miguel Padilha
- 
- OA5450** **Providing nursing care for people with chronic respiratory disease in the context of multiple long-term conditions.**  
Kate Lippiett (Winchester (Hampshire), United Kingdom), Andrew Turner, Cindy Mann, Caroline Coope, Alice Moul, Dereth Baker, Mari Carmen Portillo, Chris Salisbury, Rachel Johnson
- 
- OA5451** **Partnership delivery of symptom management at a UK ILD centre**  
Carmine Ruggiero (Oxford, United Kingdom), Karen Parsons, Shakila Hussain, Paula Johnson, Emily Fraser, Ling-Pei Ho, Peter Saunders, Rachel Hoyles
- 
- OA5452** **Which adult asthmatics receive patient education in Sweden?**  
Malin Axelsson (Malmö, Sweden), Maria Ödling, Stina Selberg, Therese Sterner, Caroline Stridsman
- 
- OA5453** **Do pulmonary rehabilitation' participants become more active? A quasi-experimental study based on a outpatient pulmonary rehabilitation program.**  
Duarte Pinto (Matosinhos, Portugal), Nuno Macedo, Ana Carvalho, Raquel Marques, Marta Roxo, Fernanda Rodrigues, Maria João Cunha, Paulo Machado, Paulino Sousa, Miguel Padilha
- 
- OA5454** **Discussion and Q&A**  
All Speakers

## Lehar 3

## Session 504

14:15 - 15:30

## Oral presentation: Acute respiratory infection: research at the cutting edge

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

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

Tag(s) : Basic science, Translational

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Tommaso Morelli (Southampton, United Kingdom)

- OA5455** **Healthcare worker views on antimicrobial resistance in chronic respiratory disease**  
Sachin Ananth (London, United Kingdom), Adekunle Adeoti, Animesh Ray, Peter Middleton, Miquel Ekkelenkamp, Stephanie Thee, Anand Shah
- 
- OA5456** **Plasma and bronchoalveolar lavage qPCR for diagnosing pulmonary mucormycosis in diabetes mellitus**  
Rana Sadaqat Nawaz (Chandigarh, India), Ritesh Agarwal, Shivaprakash Mandya Rudramurthy, Harsimran Kaur, Hansraj Chaudhary, Karthik K, Ritika Harchand, Inderpaul Singh Sehgal, Valliappan Muthu
- 
- OA5457** **Determinants of respiratory tract aerosol generation in a diverse clinical population.**  
George Nava (Bristol, United Kingdom), Alicja Szczepanska, Fergus Hamilton, Liji Ng, Sharzib Khan, Umair Mahmud, Rachel Scott, Dinesh Saralaya, Jonathan Reid, Nicholas Maskell, Bryan Bzdek, James Dodd
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- OA5458** **Causal affects of Nasal microbiota on COVID-19 phenotypes: A two-sample bidirectional Mendelian randomization study**  
Rui Guo (Chongqing, China), Yanmei Feng, Dong Wan, Pu Wang, Jinwei Jia, Xiaomin Liu
- 
- OA5459** **Iron metabolism disorder irritates susceptibility to bacterial pneumonia, viral pneumonia, and sepsis**  
Zhenchao Wu (Beijing, China), Taikang Yao, Zilu Wang, Zhongyu Han, Beibei Liu, Jiajia Zheng, Ning Shen

- OA5460** **Comparison of RSV, influenza and COVID-19 clinical characteristics in hospitalized infants in Valladolid–Spain, 2010–2022**  
Alejandro Sanz (Madrid, Spain), Mariana Haeberer, Rong Fan, Marina Toquero Asensio, Alejandro Martín Toribio, Quin Liu, Yongzheng He, Sonal Uppal, Jessica E. Atwell, Jose M. Eiros, Javier Castrodeza Sanz, Ivan Sanz-Muñoz
- OA5461** **Pre-clinical development of a novel cross-protective rhinovirus vaccine.**  
Stephen Shaw (Cambridge, United Kingdom), Chloe Julia Pyle, Neeta D. Patel, Michael R. Edwards, Sebastian L. Johnston
- OA5462** **Effects of an anti-viral interferon booster, RIG-I agonist (RIG-101), on influenza infection in vitro and in vivo**  
Hugo Ombredane (London, United Kingdom), Leah Daly, Aggie Moen, Ian Knowles, Jag Shur, Garth Rapeport, Susan Sobolov, Kazuhiro Ito
- OA5463** **Efficacy and safety of SR1375 in hospitalized patients with pneumonia combined with underlying disease: a randomized, double-blind, placebo-parallel controlled trial**  
Rui Xu (Chengdu, China), Jun Yang, Linhui Yang, Jiarui Zhang, Huohuo Zhang, Dan Liu
- OA5464** **Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 505

14:15 - 15:30

## Oral presentation: Emerging imaging techniques in chronic diseases and personalised medicine

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

Method(s) : Imaging

Tag(s) : Clinical

Chairs : [Ádám Domonkos Tárnoki](#) (Budapest, Hungary), [Helmut Prosch](#) (Wien, Austria)

- OA5465** **<sup>129</sup>Xe magnetic resonance imaging for monitoring lung function and microstructure in patients on treatment for progressive fibrosing interstitial lung disease**  
Agilo Luitger Kern (Hannover, Germany), Andreas Voskrebenezv, Filip Klimeš, Isabell Pink, Jonas C. Schupp, Benjamin Seeliger, Marilisa Konietzke, Daniel Peter, Frank Risse, Tobias Welte, Frank Wacker, Jens M. Hohlfeld, Hoen-Oh Shin, Antje Prasse, Jens Vogel-Claussen
- OA5466** **A novel approach to non-contrast, free-breathing functional lung MRI to generate dynamic measures of ventilation (V) and perfusion (Q).**  
Zachary Peggs (Nottingham, United Kingdom), Jonathan Brooke, Susan Francis, Penny Gowland, Charlotte Bolton, Ian Hall
- OA5467** **Developing prognostic deep learning models in IPF using OSIC dataset.**  
Joshua Galanter (South San Francisco, United States), Neha Anegondi, Javid Abderezaei, Qazaleh Mirsharif, Jiahong Ouyang, Claudia Iriondo, Yixuan Zou, Mohammadreza Negahdar, Alexandre Fernandez Coimbra, Laura C Bell
- OA5468** **The alterations of pulmonary morphological parameters with aging: an observational study with quantitative computed tomography**  
Anqi Liu (Beijing, China), Hongyi Wang, Linfeng Xi, Yifei Ni, Jianping Wang, Haoyu Yang, Hanying Song, Jinzhu Dai, Gang Chen, Xiao Ma, Min Liu
- OA5469** **Quantitative CT measures are sensitive to clinical bronchiectasis severity: preliminary data from the BRILLIANT study**  
François-Xavier Blé (Cambridge, United Kingdom), Adnan Azim, Adam Platt, Maria G Belvisi, James D Chalmers, Kristoffer Ostridge
- OA5470** **Automated computed tomography measures predict functional decline in cystic fibrosis**  
Gabrielle Baxter (London, United Kingdom), Ashkan Pakzad, Bojidar Rangelov, Shayan Shaikh, Ying Xin Tan, Robert Chapman, Daniel Peckham, Joseph Jacob
- OA5471** **Endobronchial polarization sensitive optical coherence tomography for airway smooth muscle detection in pulmonary disease**  
Tatiana Soldati (Amsterdam, Netherlands), Sofi Vassileva, Margherita Vaselli, Kirsten Kalverda, Jouke Annema, Peter Bonta, Johannes De Boer
- OA5472** **Association between physical activity and imaging biomarker in asthma: An analysis of distributional differences.**  
Ayumi Fukatsu-Chikumoto (Ube-city, Japan), Tsunahiko Hirano, Hiroshi Iwamoto, Keiko Doi, Keita Murakawa, Yoriyuki Murata, Yoshikazu Yamaji, Toshihito Otani, Kazuma Kawamoto, Naoko Higaki, Yoshihiro Amano, Mayuka Yamane, Naoya Tanabe, Akihito Yokoyama, Takeshi Isobe, Noboru Hattori, Kazuto Matsunaga



**Importance of subpleural fibrosis measured by a computer-aided system in patients with interstitial pneumonias, the prospective multicenter study.**

OA5473 Tae Iwasawa (Yokohama, Japan), Ryo Okuda, Takeshi Johkoh, Fumikazu Sakai, Kiminori Fujimoto, Hiromitsu Sumikawa, Ryoko Egashira, Toru Arai, Yasuhiro Kondoh, Yutaro Nakamura, Atsushi Miyamoto, Keisuke Tomii, Takafumi Suda, Akira Hebisawa, Tomohiro Handa, Satoshi Wasamoto, Hiromasa Inoue, Osamu Narumoto, Masato Morita, Yasuhiro Gon, Masaki Fujita, Sadatomo Tasaka, Kazufumi Takamatsu, Hiroyuki Ito, Tomohisa Baba, Toshihiro Nukiwa, Kunihiko Kobayashi, Takashi Ogura

OA5474 **Discussion and Q&A**  
All Speakers

## Strauss 2 Session 506 14:15 - 15:30

## Oral presentation: Breathing through time: novel pathways in lung development and aging

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

Method(s) : Cell and molecular biology Imaging

Tag(s) : Translational

Chairs : Nahal Mansouri (Lausanne, Switzerland), Miguel Angel Alejandro Alcázar (Köln, Germany)

OA5475 **Late Breaking Abstract - Epigenetic reprogramming via HDAC9 in premature aging-associated inflammation**  
Edibe AVCI (Bad Nauheim, Germany), René Wiegandt, Andreas Weigert, Solmaz Khaghani, Sven Zukunft, Stephan Klatt, Mario Looso, Stefan Günther, Elisabeth Marcos, Serge Adnot, Miguel A. Alejandro Alcázar, Elisabetta Gamem, Anoop Ambikan, Ujjwal Neogi, Werner Seeger, Rajkumar Savai, Soni Pullamsetti

OA5476 **IL6 - ET1 signaling inhibits alveolar growth through FoxO1-dependent AT2 survival in mechanically ventilated newborn mice**  
Centina Kuiper-Makris (Cologne, Germany), Dharmesh Hirani, Virta Wagde, Jaco Selle, Oleksiy Klymenko, Michele Donato, Stefanie Preuss, Mark Kaschwich, Sana Mujahid, Christina Vohlen, Rebecca Wilke, Kerstin Wulf, Silke Van-Koningsbruggen-Rietschel, Parvesh Khatri, Manuel Koch, Stefan Rose-John, Werner Seeger, Jörg Dötsch, Richard D. Bland, Marlene Rabinovitch, Miguel Angel Alejandro Alcazar

OA5477 **Pharmacological inhibition of IL-6-trans-signaling protects from vascular remodeling and pulmonary hypertension in two independent models of perinatal inflammation**  
Tobias Trojan (Köln, Germany), Christoph M. Bartz, Jaco Selle, Dharmesh Hirani, Baktybek Kojonazarov, Stefan Hadzic, Christina Vohlen, Centina Kuiper-Makris, Clemens Nies, Virta Wagde, Samantha Krug, Silke Van Koningsbruggen-Rietschel, Werner Seeger, Jörg Dötsch, Soni Pulammsetti, Miguel Alejandro Alcazar

OA5478 **Perinatal obesity interferes with sphingolipid pathway signaling leading to premature cardiopulmonary aging**  
Jaco Selle (Köln, Germany), Dennis Mehrkens, Christina Vohlen, Rebecca Wilke, Simon Geißen, Leo Kurian, Martin Mollenhauer, Stephan Baldus, Tilla S. Worgall, Jörg Dötsch, Stefan Worgall, Werner Seeger, Soni Pullamsetti, Miguel A. Alejandro Alcazar

OA5479 **LSC - 2024 - Developmental fibroblast growth factor 10 in pathogenesis and reversion of emphysema and PH in COPD**  
Stefan Hadzic (Giessen, Germany), Edma Loku, Cheng-Yu Wu, Marija Gredic, Oleg Pak, Mareike Gierhardt, Jochen Wilhelm, Ralph T. Schermuly, Werner Seeger, Elie El Agha, Natascha Sommer, Saverio Bellusci, Norbert Weissmann

OA5480 **LSC - 2024 - Novel SASP factor mediates fibroblast reprogramming in aging-associated pulmonary fibrosis**  
Maria Camila Melo Narvaez (Marburg, Germany), Eshita Jain, Tudor Suciu, Sara Asgharpour, Qianjiang Hu, Mircea-Gabriel Stoleriu, Natalia Cabeza-Boeddinghaus, Claudia Staab-Weijnitz, Gerald Burgstaller, Ali Önder Yildirim, Melanie Koenigshoff, Mareike Lehmann

OA5481 **RTN3 interacting with CRTH2 regulates collagen biosynthesis and profibrotic macrophage differentiation to promote pulmonary fibrosis**  
Liang-Liang Fan (Changsha, China), Lv Liu, Hong Luo, Hong Peng

OA5482 **Defining CAR-dependent mechanosensing in chronic lung inflammation**  
Naheem Yaqub (London, United Kingdom), Elena Ortiz Zapater, George Santis, Sam Janes, Maddy Parsons

OA5483 **βENaC-transgenic mice are a model for cystic fibrosis-like lung disease and early bronchiectasis**  
Sanja Blaskovic (Bern, Switzerland), Pinelopi Anagnostopoulou, Dea Aaldijk, Florian Kronig, Elena Borisova, Dominik Schittny, Zhe Zhou-Suckow, Christian M. Schlepütz, Marco Stamanoni, Marcus A. Mall, Johannes C. Schittny

OA5484 **Identification of  $\alpha$ - and  $\beta$ -adrenergic agonists inducing CFTR-independent fluid secretion in nasal airway organoids under IL-4 Inflammatory Conditions**  
Gimano Amatngalim (Utrecht, Netherlands), Lisa Rodenburg, Shannon Smits, Cornelis Van Der Ent, Jeffrey Beekman

OA5485 **Discussion and Q&A**  
All Speakers

Studio	Session 508	14:25 - 14:50
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### Experts interview: Microplastics: a ubiquitous and increasing threat to lung health

**Aims :** To discuss what is known about microplastics and our lungs, and explore important future directions for the ERS community and beyond.

**Method(s) :** Epidemiology

**Chairs :** Sara De Matteis (Milan, Italy), Isabella Annesi Maesano (Montpellier, France)

14:25	<b>Microplastics: ubiquitous and increasing threat to lung health</b> Christopher Carlsten (Vancouver (BC), Canada)	5487
14:40	<b>Discussion and Q&amp;A</b> All Speakers	5488

Stolz 1	Session 509	14:30 - 16:50
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### Skills workshop: SW15 SW15 - Practical Pulmonary Hypertension - €

Additional registration is required for this session.

**Aims :** Develop a systematic approach to interpretation of radiological investigations (with a focus on CT) in patients with suspected PH. Gain practical experience in performing and interpreting echocardiography in patients with PH. Develop knowledge and understanding of pathological changes associated with PH. Develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis in patients with suspected PH to be made.

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

**Chairs :** Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

14:30	<b>Radiological assessment of pulmonary hypertension</b> Andy Swift (Sheffield (South Yorkshire), United Kingdom)	5489
14:30	<b>Pathological assessment of pulmonary hypertension</b> Peter Dorfmueller (Giessen, Germany)	5490
14:30	<b>Echocardiography in pulmonary hypertension</b> Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)	5491
14:30	<b>Clinical assessment of pulmonary hypertension</b> Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)	5492

Stolz 2	Session 510	14:30 - 17:10
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### Skills workshop: SW18 SW18 - Thoracic ultrasound basic principles - €

Additional registration is required for this session.

**Aims :** To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

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

**Chairs :** Rahul Bhatnagar (Bristol, United Kingdom)

14:30	<b>Introduction</b> Rahul Bhatnagar (Bristol, United Kingdom)	5493
14:50	<b>Normal Thoracic Cavity</b> Giovanni Volpicelli (Torino (TO), Italy), Morten Bendixen (Odense C, Denmark)	5494
14:50	<b>Pleural effusion and / or pleural thickening</b> Konstantina Kontogianni (Heidelberg, Germany), Valentina Pinelli (MASSA-CARRARA, Italy)	5495
14:50	<b>Case studies</b> Poppy Denniston (London, United Kingdom)	5496
14:50	<b>Guided interventions</b> Soren Helbo Skaarup (Aarhus C, Denmark), Beenish Iqbal (Oxford, United Kingdom)	5497

Studio	Session 512	15:20 - 16:10
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### Skills lab: Woman-focused smoking cessation programming

**Aims :** To learn how to create a smoking cessation programmes specifically for women that can be highly effective because they address the unique challenges and motivations that women may have when quitting smoking. By incorporating specific educational elements into smoking cessation programming, tailored specifically to women's needs and preferences, the respiratory community may increase the likelihood of success in helping women quit smoking and improve their overall health and wellbeing.

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

**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary function testing

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Thoracic oncologist, Journalist

**Chairs :** Stamatoula Tsikrika (Athens, Greece)

15:20	<b>Introduction</b> All Speakers	5499
15:25	<b>Clinical scenario: a woman of reproductive age who wishes to quit tobacco smoking before conceiving</b> Linnea Hedman (Luleå, Sweden), Sofia Belo Ravara (Covilhã, Portugal)	5500
15:40	<b>Patients' experiences of tobacco smoking cessation programmes: women who made it</b> Siyu Dai (Hangzhou, China)	5501
15:55	<b>Conclusions, discussion and Q&amp;A</b> All Speakers	5502

## C4 Session 513 15:30 - 17:00

### Clinical cases: Lungs on fire: airway diseases?

**Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s) :** Airway diseases Interstitial lung diseases

**Tag(s) :** Clinical

**Chairs :** Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Nicolas Roche (Paris, France)

**Discussants :** Emer Kelly (Dublin 4, Ireland), Omar S. Usmani (London, United Kingdom)

15:30	<b>Case 1 incl. panel discussion and Q&amp;A - Submitter: L. Massari (Italy)</b> Emer Kelly (Dublin 4, Ireland)	5503
15:52	<b>Case 2 incl. panel discussion and Q&amp;A - Submitter: V. Averjanovaitė (Lithuania)</b> Omar S. Usmani (London, United Kingdom)	5504
16:14	<b>Case 3 incl. panel discussion and Q&amp;A - Submitter: U. Suyal (India)</b> Emer Kelly (Dublin 4, Ireland)	5505
16:36	<b>Case 4 incl. panel discussion and Q&amp;A - Submitter: A. A. Nardo (Italy)</b> Omar S. Usmani (London, United Kingdom)	5506

## C2 Session 514 15:30 - 17:00

### Journal session: From the editors' desk

#### European Respiratory Journal and New England Journal of Medicine session

**Aims :** To discuss the latest high impact published data from the ERJ and the NEJM. We will present 4 recently published/accepted papers covering diverse topics in respiratory medicine

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

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

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom), Darren Taichman (Boston, United States), Refika Hamutcu Ersu (Ottawa, Canada)

15:30	<b>Long-term oxygen therapy for 24 or 15 hours/day in severe hypoxemia, incl. discussion and Q&amp;A</b> Magnus Ekström (Lund, Sweden)	5507
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15:52	<b>MK-5475, an inhaled soluble guanylate cyclase stimulator, for the treatment of pulmonary arterial hypertension, incl. discussion and Q&amp;A</b> Marc Humbert (Le Kremlin-Bicêtre, France)	5508
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16:14	<b>Tirzepatide for the treatment of obstructive sleep apnea and obesity, incl. discussion and Q&amp;A</b> Atul Malhotra (La Jolla, United States)	5509
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16:36	<b>Cathepsin C (dipeptidyl peptidase 1) inhibition in adults with bronchiectasis: AIRLEAF®, a Phase II randomised, double-blind, placebo-controlled, dose-finding study, incl. discussion and Q&amp;A</b> Pamela J. McShane (Tyler, United States)	5510
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## C5 Session 515 15:30 - 17:00

### Year in review: Paediatric year in review

**Aims :** To provide an update on four topics in paediatric respiratory medicine, namely, paediatric asthma in low-income settings, imaging in paediatric respiratory diseases, primary ciliary dyskinesia and long-term consequences of preterm birth; to highlight the most recent and significant literature and developments relating to these topics.

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

**Method(s) :** Epidemiology Public health Pulmonary function testing

**Tag(s) :** Clinical

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational)

**Chairs :** Angela Zacharasiewicz (Wien, Austria), Andrew Bush (London, United Kingdom)

15:30	<b>Omics in paediatric asthma</b> Susanne Vijverberg (Amsterdam, Netherlands)	5512
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15:45	<b>Diagnostic approach and treatment options for sleep-disordered breathing in children with complex disorders</b> Stijn Verhulst (Antwerpen, Belgium)	5513
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16:00	<b>Childhood interstitial lung disease(ChILD): what's new around the corner?</b> Matthias Griesse (München, Germany)	5514
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16:15	<b>Latest news in childhood tuberculosis</b> Marc Tebruegge (Wien, Austria)	5515
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16:30	<b>Discussion and Q&amp;A</b> All Speakers	5516
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## C1 Session 516 15:30 - 17:00

### Symposium: Evolution in pulmonary function testing: from telemonitoring to artificial intelligence

**Aims :** To demonstrate how novel techniques, such as artificial intelligence and telemonitoring, could help improve patient diagnostics and treatment; to highlight the advantages and disadvantages of using telemonitoring in the clinic; to demonstrate how artificial intelligence could provide better quality control in assessing pulmonary function testing in the clinic and research.

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

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

**Tag(s) :** Basic science, Translational , Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Thomas Gille (Bobigny, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

15:30	<b>Reliability of home spirometry in the follow-up of patients with airways disease</b> David Drummond (Paris, France)	5517
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15:45	<b>Telemonitoring beyond spirometry</b> Sabine Zimmermann (München, Germany)	5518
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16:00	<b>Artificial intelligence: a novel clinical diagnostic tool</b> Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)	5519
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**16:15 Interpreting pulmonary function tests using artificial intelligence** 5520  
Wim Janssens (Leuven, Belgium)

**16:30 Discussion and Q&A** 5521  
All Speakers

**C6 Session 517 15:30 - 17:00**

**Hot topics: Integrated care and novel technologies for interstitial lung diseases**  
How can service integration and interoperability optimise the interstitial lung disease patient's journey from diagnosis to end-of-life care?

**Aims :** To present an overview of multidisciplinary management in interstitial lung diseases and explain how technology can improve communication and treatment delivery optimisation; to demonstrate the impact of an integrated clinical model for interstitial lung diseases and how this can result in favourable outcomes in terms of disease management and diagnostic pathways; to provide insight into the latest technological advances in the field of artificial intelligence and interstitial lung disease; to demonstrate how technology can improve diagnosis, disease progression and the team decision-making approach for patient management and continuity of care.

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

**Method(s) :** Palliative care Pulmonary rehabilitation Respiratory intensive care

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs :** Carlos Robalo Cordeiro (Coimbra, Portugal), Catharina C. Moor (Rotterdam, Netherlands), Maria Koulopoulou (London, United Kingdom)

**15:30 Patient's perspective** 5522  
Steve Jones (Cambridge, United Kingdom)

**15:35 Multidisciplinary integrated care for ILD** 5523  
Francesco Bonella (Essen, Germany)

**15:50 Are we ready to incorporate home monitoring into the ILD patient care pathway?** 5524  
Mariam Naqvi (London, United Kingdom)

**16:05 The value of pulmonary rehabilitation in ILD** 5525  
Heleen Demeyer (Leuven, Belgium)

**16:20 The role of artificial intelligence in the ILD multidisciplinary team** 5526  
Helmut Prosch (Wien, Austria)

**16:35 Discussion and Q&A** 5527  
All Speakers

**A2 Session 518 15:30 - 17:00**

**Symposium: Flagellin aerosol therapy as an immunomodulatory adjunct to the antibiotic treatment of drug-resistant bacterial pneumonia**  
European Union FAIR project session

**Aims :** To present the progression of the Horizon 2020 European Union project FAIR, tracing its trajectory from preclinical investigations to translational development.

**Disease(s) :** Respiratory critical care Respiratory infections

**Method(s) :** Cell and molecular biology

**Tag(s) :** Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist, Journalist

**Chairs :** Andrea Gramegna (Milano (MI), Italy), Eva Polverino (Barcelona, Spain), Bülent Taner Karadag (Istanbul, Turkey)

**15:30 Exploring the immunostimulatory potential of FLAMOD as an adjunct of antibiotics in bacterial pneumonia** 5528  
Jean-Claude Sirard (LILLE, France)

**15:45 Inhalation of FLAMOD: formulation for nebulisation and preclinical evaluation** 5529  
Nathalie Heuzé-Vourc'h (Tours, France)



16:00	<b>Development of the first-in-human trial for nebulisation of FLAMOD</b> Antoine GUILLON (TOURS CEDEX, France)	5530
16:15	<b>Prognostic and predictive enrichment strategies for immunomodulatory therapies like FLAMOD</b> Erik Michels (Amsterdam, Netherlands)	5531
16:30	<b>Discussion and Q&amp;A</b> All Speakers	5532

### C3 Session 519 15:30 - 17:00

#### Symposium: Gender discrepancies in non-small cell lung cancer: the challenging landscape of lung cancer in women

##### Lung cancer in women

**Aims :** To discuss recent studies of lung cancer in women that indicate differences in risk factors, histology, pathophysiology, treatment outcomes and prognosis compared with men; to review lung cancer in women and to discuss what research has achieved and future objectives.

**Disease(s) :** Thoracic oncology

**Method(s) :** Endoscopy and interventional pulmonology Palliative care Surgery

**Tag(s) :** Clinical, Translational

**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Thoracic oncologist, Thoracic surgeon, Journalist

**Chairs :** Marcello Migliore (Riyadh, Saudi Arabia), Marjolein A. Heuvelmans (Amsterdam, Netherlands)

15:30	<b>The importance of a dedicated screening in women</b> Giuseppe Cardillo (Roma (RM), Italy)	5533
15:45	<b>Differences in the pathology of the lung in men and women with non-small cell lung cancer: do they exist?</b> Semih Halazeroglu (Sariyer, Turkey)	5534
16:00	<b>The role of precision medicine and surgery in non-small cell lung cancer in women</b> Kalliopi Athanassiadi (Athens, Greece)	5535
16:15	<b>Gender differences in surgical outcomes</b> Maria Joana Pereira Catarata (Porto, Portugal)	5536
16:30	<b>Discussion and Q&amp;A</b> All Speakers	5537

### A1 Session 520 15:45 - 17:00

#### Science slam: Science slam

**Aims :** Four scientists will present their research in an entertaining way for a non-specialist audience. The audience will elect, by means of electronic voting, the 2024 Science Slam winner.

**Tag(s) :** Translational

**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), Lucia Pinilla (Adelaide, Australia)

15:45	<b>Introduction</b> Sara Cuevas Ocaña (Nottingham, United Kingdom), Lucia Pinilla (Adelaide, Australia)	5627
15:50	<b>Aging lungs under attack: Can we stop CRIPTOnite?</b> Maria Camila Melo Narvaez (Marburg, Germany)	5628
16:02	<b>Cystic fibrosis and the poetry of inflammation: unweaving the immunological rainbow</b> Leander Jonckheere (Gent, Belgium)	5629
16:14	<b>Creating space for better breathing</b> Else A M D ter Haar (Groningen, Netherlands)	5630
16:26	<b>Swifties going ERaS - Taylor's version of TH17.1 inflammation in sarcoidosis</b> Jannik Ruwisch (Hannover, Germany)	5631
16:38	<b>Vote, presentation and interview of the winner</b> Sara Cuevas Ocaña (Nottingham, United Kingdom), Lucia Pinilla (Adelaide, Australia)	5632

A3

Session 521

15:45 - 17:00

## Oral presentation: Novel investigation in pulmonary rehabilitation and/or exercise

Disease(s) : **Airway diseases**

Method(s) : Pulmonary rehabilitation General respiratory patient care Palliative care

Chairs : Anouk W. Vaes (Horn, Netherlands), Lorna Latimer (Leicester, United Kingdom)

- OA5538 Late Breaking Abstract - Effect of dyspnea-oriented hypnosis as an adjunct to pulmonary rehabilitation on the affective dimension of dyspnea: a randomized controlled trial.**  
Virginie Molinier (Lodève, France), Nathalie Fernandes, Espérance Moine, Francois Alexandre, Nelly Heraud
- 
- OA5539 Effect of exercise training on functional ability, body composition, and physical activity in community-acquired pneumonia: secondary analysis of a randomised controlled trial**  
Camilla Koch Rysø (Frederiksberg, Denmark), Daniel Faurholt-Jepsen, Christian Ritz, Maria Hein Hegelund, Arnold Matovu Dungu, Bente Klarlund Pedersen, Rikke Krogh-Madsen, Birgitte Lindegaard
- 
- OA5540 Severe fatigue in uncontrolled asthma: impact of alpine altitude climate rehabilitation and predictive factors for persistent severe fatigue**  
Karin Fieten (Davos, Switzerland), Lianne Ten Have, Linde Nijhof, Lucia Rijssenbeek-Nouwens, Anneke Ten Brinke
- 
- OA5541 Social isolation and loneliness and their associations with physical activity in COPD**  
Sara Catherine Buttery (London, United Kingdom), Keir E J Philip, Alexis M Perkins, Parris J Williams, Michael I Polkey, Laura Delgado-Ortiz, Dimitrios Megaritis, Joren Bueckers, Sarah Koch, Emily Hume, Nikolaos Chynkiamis, Heleen Demeyer, Anja Frei, Henrik Watz, Ioannis Vogiatzis, Thierry Troosters, Judith Garcia-Aymerich, Nicholas S Hopkinson
- 
- OA5542 A multidisciplinary, non-pharmacologic intervention improves breathlessness in COPD: An RCT.**  
Tracy Smith (Sydney (NSW), Australia), Mary Roberts, Tim Lockett, Jin-Gun Cho, Adrienne Kirby, John Wheatley
- 
- OA5543 Precision communication to optimise uptake of pulmonary rehabilitation in people with COPD**  
Sarah Hug (Perth (WA), Australia), Vinicius Cavalheri, Kylie Hill, Daniel Gucciardi
- 
- OA5544 Swiss people with COPD “love” Communication about SexualitY: the COSY randomised controlled trial**  
Kaba Dalla Lana (Wetzikon, Switzerland), Anja Frei, Julia Braun, Thomas Radtke, Milo Puhan, Claudia Steurer-Stey
- 
- OA5545 Regulating the larynx by expiratory pressure load training to improve aerobic capacity in advanced COPD: a substudy of the randomised, controlled EPT trial**  
Keisuke Miki (Toyonaka, Japan), Kazuyuki Tsujino, Yuka Nagata, Ryo Kijima, Satoshi Miyamoto, Hisako Hashimoto, Takuro Nii, Takanori Matsuki, Takamasa Kitajima, Mari Miki, Motonari Fukui, Hiroshi Kida
- 
- OA5546 Enhanced diaphragm excursion and exercise tolerance in chronic obstructive pulmonary disease patients through inspiratory muscle training after standardized pulmonary rehabilitation: randomized controlled trial**  
Masashi Shiraishi (Osakasayama, Japan), Yuji Higashimoto, Ryuji Sugiya, Hiroki Mizusawa, Yu Takeda, Masaya Noguchi, Osamu Nishiyama, Ryo Yamazaki, Shintarou Kudo, Tamotsu Kimura, Hisako Matsumoto
- 
- OA5547 Development of a new ambulatory oxygen delivery method combining continuous oxygen flow and demand oxygen delivery systems: A prospective, single-blind, randomized crossover pilot trial**  
Kazuya Shingai (Kitakyushu, Japan), Tomoyuki Ikeuchi, Peter Rassam, Ryo Kozu, Katsuyuki Ichiki, Takeo Jimi, Tetsuya Kawano, Kaori Kato, Tohru Tsuda
- 
- OA5548 Discussion and Q&A**  
All Speakers

Lehar 3

Session 522

15:45 - 17:00

## Oral presentation: Pulmonary embolism: current management and future challenge

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

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

Tag(s) : Clinical

Chairs : Casper Falster (Odense, Denmark), Francis Couturaud (Brest, France)

- OA5549 Nanomedicine for the targeted treatment of venous thromboembolism**  
Remedios Otero Candelera (Sevilla, Spain), Matilde Durán-Lobato, Noelia Sola-Idígora, Josefa Álvarez-Fuentes, Carmen Marín-Hinojosa, Verónica Sánchez Lopez, Ignacio Rodríguez Ramírez De Arellano, Jesús Ruiz-Cabello Osuna, José Antonio Díaz

- OA5550 Catheter-directed therapies in patients with high-risk or intermediate-high-risk acute symptomatic pulmonary embolism with recent bleeding or high risk of bleeding. Analysis of implementing pulmonary embolism response team (PERT).**  
Sergio Lopez Ruz (Sevilla, Spain), María Barca Hernando, Víctor García García, Carmen Rosa Linares, Luis Jara Palomares
- OA5551 Effect of genetic variants on bleeding with rivaroxaban in pulmonary embolism patients: A multicenter prospective cohort study**  
Zhu Zhang (Beijing, China), Haobo Li, Linfeng Xi, Yu Zhang, Xianbo Zuo, Peiran Yang, Zhenguo Zhai, Chen Wang
- OA5552 Haemoptysis risk in lung cancer associated thrombosis (L-CAT) patients who initiated anticoagulant therapy.**  
Christophe Marie-Sainte (saint-etienne, France), Anne-Laure Desage, Valentine Mismetti, Lutfi Ozturk, Sandrine Accassat, Rémi Grange, Elie Ayoub, Sophie Bayle-Bleuez, Géraldine Poenou, Laurent Bertoletti
- OA5553 Effects of tinzaparin on the presence of residual thrombus in patients with cancer-associated thrombosis**  
Luis Jara-Palomares (Sevilla, Spain), Carmen Rosa-Linares, Maria Barca-Hernando, Sergio Lopez-Ruz, Victor Garcia-Garcia
- OA5554 Phase-Resolved Functional Lung (PREFUL)-MRI-derived parameters in evaluating chronic thromboembolic pulmonary disease: a prospective study**  
Linfeng Xi (Beijing, China), Yifei Ni, Jianping Wang, Anqi Liu, Haoyu Yang, Hongyi Wang, Shuai Zhang, Zhu Zhang, Qiang Huang, Wanmu Xie, Shiyao Wang, Qian Gao, Robert Grimm, Jing An, Andreas Voskrebenez, Jens Vogel-Claussen, Min Liu, Zhenguo Zhai, Chen Wang
- OA5555 Use of inhaled nitric oxide in submassive intermediate-risk pulmonary embolism: a single-centre experience**  
Durre Shahwar (Brisbane, Australia), Kiran Shekar
- OA5556 Add-on GLP-1 agonists in the treatment of intermediate risk acute pulmonary embolism: a biomarker-driven proof-of-concept study**  
Chinthaka Samaranyake (London, United Kingdom), Lan Zhao, Min Fang, Christopher Rhodes, Timothy Rudd, Kathleen Bonnici, Bhashkar Mukherjee, Luke Howard, Laura Price, Tom Semple, Bhavin Rawal, Stephen J Wort, Colm Mccabe
- OA5557 Genetic Insights through Chinese VTE Pedigree Interpretation Using the ACMG Method: Unraveling Potencial Genetic Risk Factors**  
Zhu Zhang (Beijing, China), Zhaoman Wan, Mingming Su, Haobo Li, Zhenguo Zhai
- OA5558 Discussion and Q&A**  
All Speakers

## Strauss 1

## Session 523

15:45 - 17:00

## Oral presentation: New in respiratory intensive care medicine

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

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

Tag(s) : Clinical

Chairs : Christoph Fisser (Regensburg, Germany), Ana Cysneiros (Lisboa, Portugal)

- OA5559 Late Breaking Abstract - Pulmonary CMV and HSV reactivations in critically ill COVID-19 patients with and without aspergillosis**  
Jannes Heylen (Leuven, Belgium), Leonoor S. Boers, Simon Feys, Hanne Moon Lauwers, Cato Jacobs, Kurt Beuselinck, Yves Debaveye, Greet De Vlieger, Pascal Frederiks, Greet Hermans, Philippe Meersseman, Marijke Peetermans, Alexander Wilmer, Katrien Lagrou, Frank Van Someren Gréve, Lieuwe D. J. Bos, Joost Wauters
- OA5560 A ML and DL models to predict the Readmission or Death after Discharge from ICU**  
Da Hye Moon (Chuncheon (Gangwon-do), Republic of Korea), Minkyu Kim, Tae-Hoon Kim, Yeonjeong Heo, Seon-Sook Han, Woo Jin Kim, Seung-Joon Lee, Yoon Kim, Hyun-Soo Choi, Jeongwon Heo
- OA5561 Impact of empirical treatment recommendations of European guidelines for nosocomial pneumonia. A prospective cohort study**  
Davide Calabretta (Milan, Italy), Catia Cilloniz, Albert Gabarrus, Ana Motos, Flavia Galli, Miquel Ferrer, Laia Fernandez-Barat, Antoni Torres
- OA5562 Survey on Bronchoscopy in Intensive Care Unit**  
Christoph Fisser (Regensburg, Germany), Ana Cysneiros, Martin-Loeches Ignacio
- OA5563 Diagnostic accuracy of Early ultrasound measurement coupled with neuromuscular Electrical stimulation for diagnosing ICU-acquired weakness: an observational study (DETECT)**  
Margaux MACHEFERT (Le Havre, France), Yann Combret, Bouchra Lamia, Roger Hilfiker, Guillaume Prieur, Clément Medrinal

- OA5564 Hospital prognosis of invasive pulmonary aspergillosis patients admitted to intensive care unit and one-year outcomes in hospital survivors: A retrospective longitudinal study**  
meiyuan li (Beijing, China), Qingyuan Zhan
- 
- OA5565 Impacts of mechanical insufflation-exsufflation on success rate of weaning of tracheostomized patients on prolonged mechanical ventilation**  
Bruno Do Valle Pinheiro (Juiz De Fora (MG), Brazil), Cristiane Bastos-Netto, Rodrigo Souza Vieira, Maycon Moura Reboredo
- 
- OA5566 Impact of ventilatory support modalities and timing of intubation on longitudinal recovery of pulmonary sequelae in critically ill Covid-19 patients**  
Jessica Gonzalez Gutierrez (Lleida, Spain), Iván D. Benítez, Jordi De Batlle, Sally Santisteve, Maria Aguilà, Gerard Torres, Clara Gort-Paniello, Anna Moncusí-Moix, Esther Gracia-Lavedan, Adrián Ceccato, Ricard Ferrer, Anna Motos, Jordi Riera, Laia Fernández, Rosario Menéndez, José Angel Lorente, Oscar Peñuelas, Dario García, Oriol Roca, Yhivian Peñasco, Pilar Ricart, Maria Cruz Martin Delgado, Luciano Aguilera, Alejandro Rodríguez, Maria Victoria Boado Varela, Felipe Pérez-García, Juan Carlos Pozo-Laderas, Jordi Solé-Violan, Berta Adell-Serrano, Mariana Andrea Novo, José Barberán, Rosario Amaya Villar, David De Gonzalo-Calvo, Antoni Torres, Ferran Roche-Campo, Ferran Barbé
- 
- OA5567 Automatic classification of patient-ventilator asynchronies with a 1D convolutional neural network: a pilot study**  
Alessandro Molani (Milano, Italy), Giorgia Bianco, Alessandra Angelucci, Francesca Pennati, Livia Foglia Manzillo, Maurizio Cecconi, Massimiliano Greco, Andrea Aliverti
- 
- OA5568 Late Breaking Abstract - Abnormal breathing patterns limit exercise in mechanically ventilated patients: an observational study**  
Thomas Nijhoff (Deventer, Netherlands), Huub van den Oever, Siebrand Zoethout
- 
- OA5569 Discussion and Q&A**  
All Speakers

## Strauss 2

## Session 524

15:45 - 17:00

## Oral presentation: Determinants, diagnosis, incidence and management of respiratory health in populations

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Pulmonary function testing

Tag(s) : Clinical

Chairs : Om Prakash Kurmi (Coventry, United Kingdom), Rita Amaral (Porto, Portugal)

- OA5570 Late Breaking Abstract - Early-life antibiotic exposure and development of diseases in childhood - a nationwide registry study**  
Sarah Brandt (Gentofte, Denmark), Jonathan Thorsen, Morten Arendt Rasmussen, Bo Chawes, Klaus Bønnelykke, Martin J. Blaser, Astrid Sevelsted, Jakob Stokholm
- 
- OA5571 Recurrent respiratory infections and allergy hallmarks at-risk progression to severe asthma**  
Emilie Johanning Bari (Gentofte, Denmark), Susanne Hansen, Patrik Sandin, Olivia Ernstsson, Kirk Geale, Apostolos Bossios, Lauri Lehtmäki, Christer Janson, Charlotte Ulrik, Hannu Kankarantaa, Bernt Arli, Asger Sverrild, Anna Von Bülow, Arja Viinanen, Alan Altraja, Barbro Dahlén, Birger Norderud Lærum, Doralud Lúdvíksdóttir, Helena Backman, Johannes Martin Schmid, Jussi Karjalainen, Leif Bjermer, Maritta Kilpeläinen, Ole Hilberg, Paula Kauppi, Sverre Lehmann, Thomas Sandström, Tina Skjold, Unnur Steina Björnsdóttir, Valentyna Yasinska, Vibeke Backer, Celeste Porsbjerg
- 
- OA5572 The effect of health disparities on racial gaps in lung function**  
Amin Adibi (Vancouver, Canada), Christopher Carlsten, Emily Brigham, Don Sin, Peter Loewen, Mohsen Sadatsafavi
- 
- OA5573 Small airways obstruction and mortality in the UK Biobank**  
Valentina Quintero Santofimio (London, United Kingdom), Ben Knox-Brown, James Potts, Samuel Bartlett-Pestell, Johanna Feary, Andre F S Amaral
- 
- OA5574 COVID-19 risk and effect modification by vaccination in asthma**  
Brian Kirui (Gothenburg, Sweden), Lowie Vanfleteren, Ailiana Santosa, Huiqi Li, Caroline Stridsman, Fredrik Nyberg
- 
- OA5575 Low smoking exposure and development and prognosis of COPD over four decades: A population-based cohort study**  
Yunus Çolak (Espergærde, Denmark), Anders Løkke, Jacob Louis Marott, Peter Lange, Jørgen Vestbo, Børge Grønne Nordestgaard, Shoab Afzal

**OA5576** **CC16 as a mediator of the effects of preterm birth on airflow limitation and asthma: a longitudinal study from birth to adult life**  
Nipasiri Voraphani (Tucson, United States), Susanna Klevebro, Gang Wang, Jenny Hallberg, Fredrik Larsson, Petra Um-Bergström, Anna Bergström, Inger Kull, Amber Spangenberg, Tara Carr, Debra Stern, Julie Ledford, Brian Hallmark, Erik Melén, Stefano Guerra

**OA5577** **Influence of pregnancy on asthma exacerbation patterns: a UK population-based cohort**  
Chloe Bloom (London, United Kingdom), Carlos Valencia-Hernandez, Ernie Wong

**OA5578** **Trends in the initial treatment of adults with asthma in the Netherlands: a population-based database study**  
Joana Antão (Aveiro, Portugal), Guilherme Rodrigues, Qichen Deng, Karin Swart, Brenda Baak, Alda Marques, Frits Franssen, Martijn Spruit

**OA5579** **Asthma and reproductive outcomes: A Danish nationwide cohort study**  
Anne Vejen Hansen (København N, Denmark), Kjell E. J. Håkansson, Anders P. Mikkelsen, Zarqa Ali, Anja Pinborg, Øjvind Lidsgaard, Charlotte S. Ulrik

**OA5580** **Discussion and Q&A**  
All Speakers

## C4 Session 527 17:15 - 18:45

**Assembly members' meeting: Assembly 5: Airway diseases, asthma, COPD and chronic cough**  
Chairs : Apostolos Bossios (Stockholm, Sweden), Florence Schleich (Liège, Belgium)

**17:15** **Assembly members meeting: presentation, discussion and Q&A**  
Apostolos Bossios (Stockholm, Sweden) **5633**

## C2 Session 528 17:15 - 18:45

**Assembly members' meeting: Assembly 4: Sleep disordered breathing**  
Chairs : Sophia E. Schiza (Heraklion, Greece), Esther Irene Schwarz (Zürich, Switzerland)

**17:15** **Assembly members meeting: presentation, discussion and Q&A**  
Sophia E. Schiza (Heraklion, Greece) **5634**

## C5 Session 529 17:15 - 18:45

**Assembly members' meeting: Assembly 7: Paediatrics**  
Chairs : Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada)

**17:15** **Assembly members meeting: presentation, discussion and Q&A**  
Alexander Möller (Zürich, Switzerland) **5635**

## C1 Session 530 17:15 - 18:45

**Assembly members' meeting: Assembly 9: Allied respiratory professionals**  
Chairs : Daniel Langer (Leuven, Belgium), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Chris Burtin (Diepenbeek, Belgium)

**17:15** **Assembly members meeting: presentation, discussion and Q&A**  
Daniel Langer (Leuven, Belgium) **5636**

## C6 Session 531 17:15 - 18:45

**Assembly members' meeting: Assembly 12: Interstitial lung diseases**  
Chairs : Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Mainz, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

**17:15** **Assembly members meeting: presentation, discussion and Q&A**  
Katerina Antoniou (Heraklion, Greece) **5637**

## A2 Session 532 17:15 - 18:45

**Assembly members' meeting: Assembly 10: Respiratory infections**  
Chairs : Raquel Duarte (Porto, Portugal), Onno Akkerman (Groningen, Netherlands)

**17:15** **Assembly members meeting: presentation, discussion and Q&A**  
Raquel Duarte (Porto, Portugal) **5638**



**C3** Session 533 17:15 - 18:45

## Assembly members' meeting: Assembly 11: Thoracic oncology

Chairs : Torsten Gerriet Blum (Berlin, Germany), Najib M. Rahman (ABINGDON, United Kingdom), Georgia Hardavella (Athens, Greece)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5639  
Torsten Gerriet Blum (Berlin, Germany)**A1** Session 534 17:15 - 18:45

## Assembly members' meeting: Assembly 3: Basic and translational sciences

Chairs : H. Irene Heijink (Groningen, Netherlands), Niki L. Reynaert (Maastricht, Netherlands)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5640  
H. Irene Heijink (Groningen, Netherlands)**A3** Session 535 17:15 - 18:45

## Assembly members' meeting: Assembly 1: Respiratory clinical care and physiology

Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Frits M.E. Franssen (Maastricht, Netherlands), Guido Vaghegini (Volterra (PI), Italy)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5641  
Ioannis Vogiatzis (Blyth, United Kingdom)**Lehar 3** Session 536 17:15 - 18:45

## Assembly members' meeting: Assembly 13: Pulmonary vascular diseases

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France), Harm Jan Bogaard (Amsterdam, Netherlands)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5642  
Anton Vonk Noordegraaf (Amsterdam, Netherlands)**Strauss 1** Session 537 17:15 - 18:45

## Assembly members' meeting: Assembly 2: Respiratory intensive care

Chairs : Christian Karagiannidis (Cologne, Germany)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5643  
Christian Karagiannidis (Cologne, Germany)**Strauss 2** Session 538 17:15 - 18:45

## Assembly members' meeting: Assembly 6: Epidemiology and environment

Chairs : Ane Johannessen (Bergen, Norway), Rafael E. de la Hoz (New York, United States)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5644  
Ane Johannessen (Bergen, Norway)**Lehar 1** Session 539 17:15 - 18:45

## Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy

Chairs : Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5645  
Walter De Wever (Leuven, Belgium)**Lehar 2** Session 540 17:15 - 18:45

## Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation

Chairs : Federica Meloni (Pavia (PV), Italy), Marcello Migliore (Riyadh, Saudi Arabia)

17:15 **Assembly members meeting: presentation, discussion and Q&A** 5646  
Federica Meloni (Pavia (PV), Italy)

## Strauss 1

## Session 541

09:00 - 12:00

Wednesday special session: Women's networking session  
Empowering women in respiratory medicine and research

**Aims :** This session creates a platform for respiratory professionals to connect, build relationships, and exchange knowledge and experiences. To encourage collaboration among women in the respiratory profession, fostering partnerships, teamwork, and the sharing of ideas and best practices. To empower women in the respiratory profession by offering career development resources, mentorship programs, and discussions on leadership and advancement opportunities. To highlight the importance of diversity and inclusion in the field of respiratory care, and encourage women from diverse backgrounds to participate and contribute to the event. To collaborate with relevant organisations, national societies, and industry partners.

**Chairs :** Dorina Rama Esendagli (Ankara, Turkey), Chiara Premuda (Milano, Italy)

09:00	<b>Introduction by ERS leaders</b> Monika Gappa (Düsseldorf, Germany), Silke Ryan (Dublin, Ireland), Hilary Pinnock (Edinburgh, United Kingdom)	5583
09:15	<b>Ice-breaker</b> All Speakers	5584
09:45	<b>Influence of professionals gender on patient outcomes</b> Franziska Trudzinski (Heidelberg, Germany)	5585
10:00	<b>Discussion</b> All Speakers	5623
10:05	<b>Achieving success in Respiratory Medicine</b> Mona Bafadhel (London, United Kingdom)	5586
10:20	<b>Discussion</b> All Speakers	5624
10:25	<b>Panel discussion</b> Judith Garcia-Aymerich (Barcelona, Spain), Sara Bonvini (London, United Kingdom), Silke Ryan (Dublin, Ireland), Sara Cuevas Ocaña (Nottingham, United Kingdom), Joanna Chorostowska-Wynimko (Warsaw, Poland)	5587
11:15	<b>Brunch and networking</b> All Speakers	5588

## Lehar 1

## Session 542

09:00 - 10:45

## Wednesday special session: Breathing through the Blaze: evidence update and strategies for respiratory physicians and patients facing climate induced wildfire air pollution

**Aims :** to provide an evidence update and discuss strategies for respiratory physicians and patients facing climate induced wildfire air pollution

**Tag(s) :** Basic science, Clinical

**Chairs :** Zorana Andersen (Frederiksberg, Denmark), Kevin R. Cromar (New York, United States)

09:00	<b>Current and future air pollution impacts from wildland fires in Europe</b> Mikhail Sofiev (Helsinki, Finland)	5589
09:15	<b>Health impacts from wildland fires: is it the same as air pollution from other sources?</b> Cathryn Tonne (Barcelona, Spain)	5590
09:30	<b>Brainstorming session: What are the immediate research opportunities available to better assess health impacts from wildland fire pollution?</b> Sourangsu Chowdhury (Oslo, Norway), Yuming Guo (Clayton, Australia)	5591
10:00	<b>Policy Discussion: Should ERS have a position on prescribed burning and its potential impacts on health?</b> Barbara Hoffmann (Düsseldorf, Germany)	5592
10:20	<b>International perspective on how to incorporate health impacts from wildland fires into climate policy and health systems decision-making</b> Jason SACKS (RTP, United States)	5593

10:35 **Discussion and Q&A** 5594  
All Speakers

**Studio** **Session 543** **09:00 - 09:45**

**Deep Dive: Multimorbidity**

**Aims :** To explore how healthcare systems can meet the challenge of multimorbidity.

**Tag(s) :** Clinical

**Chairs :** Katerina Antoniou (Heraklion, Greece), Ioannis Vogiatzis (Blyth, United Kingdom)

09:00 **The challenge of multimorbidity: a clinical perspective** 5595  
Ioanna Tsiligianni (Heraklion (Crete), Greece)

09:10 **The challenge of multimorbidity: a digital health perspective** 5596  
Isaac Cano (Vilanova del Camí, Spain)

09:20 **Panel discussion and Q&A** 5597  
LEONARDO FABBRI (Modena, Italy), Nicolas Roche (Paris, France)

**Lehar 2** **Session 544** **09:30 - 11:30**

**Wednesday special session: ERN-LUNG: Initiatives of the rare diseases network**

**Aims :** to present the ERN-LUNG Network and highlight some of its achievement over the past years through funding by the European Commission and support from ERS; to engage with participants on building the future of the network and the engagement to extend connection with Eastern European Countries; to present ERN-Lung strategies for the management of undiagnosed patients and for the development of Clinical Trial Networks;

**Tag(s) :** Clinical

**Chairs :** Marc Humbert (Le Kremlin-Bicêtre, France)

09:30 **Introduction** 5598  
Marc Humbert (Le Kremlin-Bicêtre, France)

09:45 **Undiagnosed Patients: what can ERN-LUNG do about it** 5599  
Lisa Gietz (Köln, Germany)

10:00 **Undiagnosed Patients: what can ERN-LUNG do about it** 5600  
Matt Bolz-Johnson (Cologne, Germany), Andrea Cembrero Bonet (Barcelona, Spain)

10:15 **Undiagnosed Patients: what can ERN-LUNG do about it** 5601  
Ursula Unterberger (, Austria)

10:30 **Undiagnosed Patients: patient's perspective** 5602  
Frank Willersinn (Bruxelles, Belgium)

10:45 **How to set up a Clinical Trial Network** 5603  
Isabelle Fajac (Paris, France), Marion Delcroix (Leuven, Belgium)

11:00 **ERN-LUNG goes East : How to expand to new territories** 5604  
Gergely Meszaros (Vac, Hungary), Francesco Bonella (Essen, Germany)

11:15 **Discussion and Q&A** 5605  
All Speakers

**Studio** **Session 545** **10:00 - 10:45**

**Pro-Con debate: Should advancing age and comorbidities prevent you from initiating antifibrotic therapy?**

**Aims :** To highlight some of the emerging themes and controversies regarding the early treatment of interstitial lung diseases; to discuss the common clinical dilemmas and misconceptions that occur in clinical practise regarding the influence of age and comorbidities on the decision to start anti-inflammatory or antifibrotic treatment; to explore the role of risk stratification and early treatment in connective tissue diseases.

**Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** General respiratory patient care Imaging**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Radiologist**Chairs :** Katerina Antoniou (Heraklion, Greece), Ioannis Vogiatzis (Blyth, United Kingdom)

10:00	<b>Pro: I would start antifibrotic therapy in an 80-year-old with comorbidities</b> Nazia Chaudhuri (Limavady, United Kingdom)	5606
10:15	<b>Con: I would not start antifibrotic therapy in an 80-year-old with comorbidities</b> GEORGE MARGARITOPOULOS (THESSALONIKI, Greece)	5607
10:30	<b>Discussion and Q&amp;A</b> All Speakers	5608

**Lehar 3** **Session 546** **10:30 - 12:15****Wednesday special session: How Teams Advance Respiratory Healthcare Delivery**  
**International Respiratory Coalition Session****Aims :** This session looks at how the role of teams contribute to the advancement of respiratory healthcare delivery. It will consider the team within multiple contexts as it relates to burnout, providing multimorbidity care to pulmonary patients, as well as delivering sustainable care, and enacting successful policy change. The talks will be followed by a group discussion exploring the themes and International Respiratory Coalition (IRC) topics. The IRC founded on the idea of multistakeholder collaboration and working in teams is at the heart of the coalition.

The IRC is a movement to transform respiratory outcomes in a post pandemic world. Led by the European Respiratory Society, the IRC is a multisectoral partnership bringing together the professional respiratory community, patients, and industry. The IRC is currently supporting national-level coalitions, who have joined the movement, as they work towards developing/improving/implementing respiratory strategies based on best practice in their own countries.

**Chairs :** Anita Simonds (London, United Kingdom), Guy F. Joos (Ghent, Belgium)

10:30	<b>Building Resilience in Respiratory care to improve the lives of healthcare professionals and patients</b> Laura-Jane Smith (London, United Kingdom)	5609
10:45	<b>Green Team: Decarbonising Healthcare Pathways and Innovation in Carbon Minimal Propellants</b> Erika Penz (Saskatoon, Canada)	5610
11:00	<b>Navigating Complexity: Progress in Multi-Morbidity Care for Cardiopulmonary Wellness</b> John R Hurst (London, United Kingdom)	5611
11:15	<b>Respiratory Policy in Practice: Case Studies of Reforms Enhancing Respiratory Health</b> Raquel Duarte (Porto, Portugal)	5612
11:30	<b>Team time discussion</b> Judith Garcia-Aymerich (Barcelona, Spain), Kjeld Hansen (Oslo, Norway), Eva Otter (Vienna, Austria), Angus Hamblin (Sleaford (Lincolnshire), United Kingdom)	5613

**Lehar 1** **Session 547** **11:00 - 12:45****Wednesday special session: Lung health in childhood – a public health approach to preventing lung disease before it starts****Aims :** The aim of the session is to discuss how we can bring lung health in children higher up the political and public health agenda. We aim to make the session interesting for congress delegates and local organisations. The session will present the evidence base, current actions and an open floor debate of what more we can do.**Chairs :** Monika Gappa (Düsseldorf, Germany), Ed Powell (Aylesbury, United Kingdom)

11:00	<b>Why is childhood so important for lung health</b> Erik Melén (Stockholm, Sweden)	5614
11:15	<b>How can we protect the lungs of young people</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands)	5615
11:30	<b>How can we make change and engage with youth – examples from ongoing projects (FRESHAIR4LIFE; HLfL4schools; ACACIA; Freedom to Breathe campaign)</b> Paola Pierucci (Bari, Italy), Jonathan Grigg (London, United Kingdom), Achiri Elvis Ndikum (Yaounde, Cameroon), Rianne van der Kleij (Leiden, Netherlands)	5617

12:15 **Discussion and Q&A** 5618  
All Speakers

**Studio** **Session 548** **11:15 - 11:40**

**Experts interview: Digital innovations in tuberculosis control: transforming healthcare with technology**

**Disease(s) :** Respiratory infections

**Tag(s) :** Congress theme: Humans and Machines: getting the balance right

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Nicolas Roche (Paris, France)

11:15 **Digital innovations in tuberculosis control: transforming healthcare with technology** 5619  
Dennis Falzon (Genève, Switzerland)

11:30 **Discussion and Q&A** 5620  
All Speakers

**Studio** **Session 549** **11:40 - 12:05**

**Experts interview: Global Lung Function Initiative reference values for exhaled nitric oxide fraction (FENO5)**

**Aims :** to discuss the importance of exhaled nitric oxide as an indicator of T-helper 2-driven airway inflammation; to present the need of standardisation of devices and measurements before population reference values might be derived.

**Method(s) :** Pulmonary function testing

**Tag(s) :** Clinical

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Nicolas Roche (Paris, France)

11:40 **Global Lung Function Initiative reference values for exhaled nitric oxide fraction (FENO5)** 5621  
Marieann Högman (Uppsala, Sweden)

11:55 **Discussion and Q&A** 5622  
All Speakers

**Studio** **Session 550** **12:10 - 12:25**

**News from the studio: Congress wrap-up**

**Aims :** To summarize the congress programme.

**Chairs :** Hilary Pinnock (Edinburgh, United Kingdom), Nicolas Roche (Paris, France)



World Village  
Auditorium

Session 423

09:00 - 09:30

## Session world village: PCCP 2024: Strategic Initiative Updates

**Aims :** The PCCP will once again host another session at the ERS World Village Auditorium during the ERS Congress 2024 in Vienna, Austria which is tentatively titled "PCCP 2024: Strategic Initiative Updates". It is expected that at the end of the session, the PCCP will help promote greater involvement, collaborative partnership and strategic alliances with Asian and International organizations relating to academe, clinical and policy-making activities.

The PCCP President, Dr. Ma. Janeth Samson, will present latest updates on activities focusing on research initiatives and collaborative efforts with other organizations. Dr. Bernice dela Cruz, chairman of Advocacy Committee, will discuss undertakings related to campaigns on Clean Air and Anti-Tobacco/Anti-Vape which is partnered with the Philippine Department of Health. Finally, the PCCP is a proud organization host to the 2025 Asian Pacific Society of Respiriology (APSR) Congress slated on 13-16 November 2024 in Manila, Philippines. LCC Chairman, Dr. Lenora Fernandez, will tackle "Solidarity in Lung Health in the Asia Pacific".

09:00 **PCCP 2024: Strategic Initiative Updates**  
All Speakers

4534

World Village  
Auditorium

Session 100

09:45 - 10:15

## Session world village: Our story of this year - Can we improve our COPD patients life by treating their breathing during sleep (SRS)

**Aims :** Pulmonologist, members of SRS, especially doctors of tertiary level of health care launched an action to awareness of breathing during sleep in as many COPD patients as possible. We held twelve basic and advanced education for doctors of primary health care institution in state.. We would like to share our experiences of this kind of attempt to improve respiratory health in one specific population with burden of any system.

09:45 **Our story of this year - Can we improve our COPD patients life by treating their breathing during sleep**  
All Speakers

992

World Village  
Auditorium

Session 111

10:30 - 11:00

## Session world village: Hellenic Thoracic Society: For preventions to social activities IRC

**Aims :** The members of Executive Board of Hellenic Thoracic Society will present to World Village Auditorium - Vienna 2024 the following: 1. Prevention - H. Moschos 2. Social Activities - N. Rovina 3. IRC- P. Katsaounou

10:30 **Hellenic Thoracic Society: For preventions to social activities - IRC**  
All Speakers

1036

World Village  
Auditorium

Session 130

12:30 - 13:30

## Session world village: Meet your early career representative from Assemblies 2 3 4 6 14

**Aims :** To learn how to get involved in ERS and how many ways there are to enhance your career development

**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), Christoph Fisser (Regensburg, Germany), Matteo SICILIANO (ROMA, Italy)

12:30 **Meet your early career representative from Assemblies 2 3 4 6 14**  
All Speakers

1144

World Village  
Auditorium

Session 183

14:15 - 14:45

## Session world village: Advancing Respiratory Medicine: The Role of the Chinese Thoracic Society and Chinese Association of Chest Physicians

**Aims :** Description of the session: China has experienced remarkable advancements in respiratory medicine over the past decades, driven in large part by the efforts of the Chinese Thoracic Society (CTS) and the Chinese Association of Chest Physicians (CACP). As the two leading professional organizations in this field within China, these societies have played a pivotal role in shaping the country's respiratory healthcare landscape through their comprehensive range of academic, educational, and advocacy initiatives. The president of CTS, Prof Qu, will introduce the major work of CTS and CACP in the session, and take this opportunity to communicate with colleagues from all over the world. This session will provide an in-depth overview of the roles, achievements, and future plans of the CTS and CACP in advancing respiratory medicine in China and globally, and hopefully will promote potential collaborations with other societies.

**14:15** **Advancing Respiratory Medicine: The Role of the Chinese Thoracic Society and Chinese Association of Chest Physicians** **1902**  
All Speakers

**World Village Auditorium** **Session 186** **15:00 - 15:30**

**Session world village: News from the Danish Respiratory Society**

**Aims :** It is interesting times for the Danish Respiratory Society. Health care is undergoing re-organisation, post graduate education, too, and alongside that, there are economical struggles in Health Care that need immediate intervention. DRS is working politically to have a voice in this. Furthermore we are working on Independent funding to look to Respiratory research. And lastly, we are doing monthly National Staff meetings for all healthcare personnel.

**15:00** **News from the Danish Respiratory Society** **1912**  
All Speakers

**World Village Auditorium** **Session 202** **15:45 - 16:15**

**Session world village: IPRS-SIMRI in short**

**Aims :** IPRS SIMRI VISION to be the reference authority for childhood respiratory medicine in Italy, to support robust training, research and innovation systems, encompassing all respiratory scientific and clinical profiles. IPRS-SIMRI MISSION to foster childhood respiratory health and to define long-term perspectives for research in order to promote best-practice approaches, ensuring high quality science to alleviate the suffering of paediatric respiratory diseases. The three fields of activity of the SIMRI three-year period 2024-2026: RESEARCH To encourage and promote basic, epidemiological, clinical, rehabilitation and multidisciplinary research, also in collaboration with Italian and foreign scientific groups and societies. Carry out editorial activities (Paediatric Respiratory Journal). Promote (non-conditional) scientific cooperation with industry (e.g. research protocols). EDUCATION To encourage and promote teaching and care for acute and chronic respiratory problems in the paediatric area, by setting up study groups and regional sections, also in collaboration with Italian and foreign scientific groups and societies. Carrying out publishing activities (Paediatric Pneumology). Promoting (non-conditional) scientific cooperation with industry (e.g. congress activities, webinars, FAD, etc.). ADVOCACY Favours and promoting the prevention of respiratory diseases and the recognition of medical-psycho-social aspects. Favours and promoting the correct organisation of paediatric respiratory disease care in the national territory. To promote the training and updating of school personnel on respiratory pathology issues.

**15:45** **IPRS-SIMRI in short** **2006**  
All Speakers

**World Village Auditorium** **Session 203** **16:30 - 17:00**

**Session world village: Turkish Thoracic Society: Filling in the gaps of postgraduate education**

**Aims :** Turkish Thoracic Society School has contributed to postgraduate education of the pulmonology residents for over 20 years. The organization of school had started as a traditional teaching seminars but evolved into modular education system that aims interaction between faculty and students. The activity is free of charge for all the residents. The main aim of the school organization is standardization of the pulmonology theoretical and practical knowledge in different clinics of the country. The content of the modules are based on the feedback from students. The first part of the ERS world village session will discuss the historic evolution of the TTS School activities and current philosophy of this education. The second part of the session will allow early-career members to share their expectations from postgraduate education, including their experiences and recommendations based on their TTS School experience.

**16:30** **Turkish Thoracic Society: Filling in the gaps of postgraduate education** **2007**  
All Speakers

<b>World Village Auditorium</b>	<b>Session 507</b>	<b>09:45 - 10:15</b>
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**Session world village: ELF and ERN-LUNG Transplantation Forum**

**Aims :** Patients and professionals will join together for this forum to discuss the journey through transplantation, from pre-transplantation to recovery and beyond. The session will focus on the patient experience alongside looking at access to transplantation across Europe. It will consider the pressing issues in the field, setting the scene for future collaboration, debate and discussion on this key topic.

<b>09:45</b>	<b>ELF and ERN-LUNG Transplantation Forum</b> All Speakers	<b>5486</b>
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<b>World Village Auditorium</b>	<b>Session 279</b>	<b>10:30 - 11:00</b>
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**Session world village: How to hold an impactful Healthy Lungs for Life event – best practice examples**

**Aims :** This session will introduce the ELF/ERS Healthy Lungs for Life campaign: its aims, scopes and themes. Some examples of great Healthy lungs for Life initiatives will be presented by their organisers, along with top tips and outcomes. Come along to learn about how to raise the profile of lung health and prevent lung disease in your community.

<b>10:30</b>	<b>How to hold an impactful Healthy Lungs for Life event – best practice examples</b> All Speakers	<b>2847</b>
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<b>World Village Auditorium</b>	<b>Session 297</b>	<b>12:30 - 13:30</b>
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**Session world village: Meet your early career representative from Assemblies 1 5 7 8 9 10 11 12 13**

**Aims :** To learn how to get involved in ERS and how many ways there are to enhance your career development

**Chairs :** Thomas Gille (Bobigny, France), Augusta Beech (Manchester, United Kingdom), Chiara Premuda (Milano, Italy), Catharina C. Moor (Rotterdam, Netherlands)

<b>12:30</b>	<b>Meet your early career representative from Assemblies 1 5 7 8 9 10 11 12 13</b> All Speakers	<b>2950</b>
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<b>World Village Auditorium</b>	<b>Session 350</b>	<b>14:15 - 14:45</b>
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**Session world village: Present and Perspectives of Polish Pulmonology (PTChP)**

**Aims :** The session will discuss the key activities of and the Polish Coalition Healthy Lungs. It will show key aspects of cooperation with IRC. We will discuss the new Polish Respiratory Society Assemblies ( Physiotherapy, Imaging Diagnostics and Nursing). It will show the activity of young Polish pulmonologists. It will summarize Polish activity at the current ERS congress.

<b>14:15</b>	<b>Present and Perspectives of Polish Pulmonology</b> All Speakers	<b>3699</b>
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<b>World Village Auditorium</b>	<b>Session 353</b>	<b>15:00 - 15:30</b>
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**Session world village: The Austrian Respiratory Coalition – A New Initiative**

**Aims :** Hear from Austrian Respiratory Coalition (ARC) leaders, as they present the aims, projects and people involved in this new coalition. This campaign is established by the Austrian Society of Pneumology in close collaboration with patient organisations (PH-Austria, Lungenfibrose Forum Austria, Austrian Lung Union). The ARC will officially launch at the Congress of the Austrian Respiratory Society in September 2024.

<b>15:00</b>	<b>The Austrian Respiratory Coalition – A New Initiative</b> All Speakers	<b>3708</b>
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<b>World Village Auditorium</b>	<b>Session 369</b>	<b>15:45 - 16:15</b>
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**Session world village: The pulmonology in Algeria, accomplishments and perspectives (SAP)**

**Aims :** This session aims to describe the progression of pulmonology in Algeria during the last decades. We will share with our audience the different accomplishments we have realized during this period, the challenges, and how they were overcome in collaboration with international medical societies. The main axes that we will discuss in our session and in which Algeria has made good progress are tuberculosis and other pandemic control programs, their conceptualization and implementation, and the results of those activities. We will also discuss the different strategies of our scientific communities to introduce new skills and techniques and the way to help physicians acquire them and implement those new skills in the postgraduate training program.

**15:45**    **The pulmonology in Algeria, accomplishments and perspectives**    **3804**  
All Speakers

**World Village  
Auditorium**

**Session 370**

**16:30 - 17:00**

**Session world village: Launching ALAT Conference 2025 (ALAT)**

**Aims :** ALAT will be promoting and launching 2025 conference

**16:30**    **Launching ALAT Conference 2025 (ALAT)**    **3805**  
All Speakers

**World Village  
Auditorium**

**Session 371**

**17:15 - 17:45**

**Session world village: HERMES Exam Information Session**

**Aims :** Taking place online, and hosted by national societies locally, the HERMES examinations in adult and paediatric respiratory medicine are a European standard for knowledge assessment. This year, ERS would like to provide an open forum for you to ask questions at the World Village, ERS Congress, Monday 9 September 2024 starting at 17:15 CEST.

Attending the session include members of the Examinations Committee, HERMES Exam Diplomate Mentors as well as ERS staff, to help answer questions.

**17:15**    **HERMES Exam Information Session**    **3806**  
All Speakers

World Village  
Auditorium

Session 526

09:00 - 09:30

Session world village: The commitment of Italian Pneumology: The Italian lung white book  
AIPO-ITS/ETS – SIP/IRS

**Aims :** Lungs are essential for life. However, every respiratory diseases still remain one of the leading causes of death and mortality in Europe, Italy and the rest of the world. The prevention and control of respiratory diseases are part of the Heath 2020, a European policy framework and strategy for the 21st century, the action plan on non-communicable diseases (NCD). The commitment of the Italian Respiratory Society (SIP/IRS) and the Italian Thoracic Society (AIPO-ITS/ETS) has focused on making the treatment processes for these diseases clear, providing with the Lung White Book valuable information to those who work for the diagnosis and treatment of these diseases.

SIP-IRS and AIPO-ITS/ETS Presidents have taken on the coordination of this milestone in Italian Pneumology, which involves more than 100 experts as authors.

A great commitment to achieve greater attention to respiratory health care in Italy.

**09:00**    **The commitment of Italian Pneumology: The Italian lung white book AIPO-ITS/ETS – SIP/IRS**    **5582**  
All Speakers

World Village  
Auditorium

Session 431

09:45 - 10:15

Session world village: Activities and Initiatives of the Kyrgyz Thoracic Society: Achievements in  
2024 (KTS)

**Aims :** This session will present the key achievements and initiatives of the Kyrgyz Thoracic Society for 2023-2024. We will share the major events, projects, and educational programs that have been implemented throughout the year. Our focus will include: - Educational programs and trainings - Research projects - Publications and conferences - International cooperation - Annual National Congress of the Kyrgyz Thoracic Society. 3rd Swiss-Kyrgyz High Altitude Medicine and Research Symposium 2024

**09:45**    **Activities and Initiatives of the Kyrgyz Thoracic Society: Achievements in 2024**    **4596**  
All Speakers

World Village  
Auditorium

Session 441

10:30 - 11:00

## Session world village: Explicit health guarantees in respiratory medicine (SERCHILE)

**Aims :** The Chilean health system is composed of 2 types of insurers: 1) Public system (FONASA), administered by the Ministry of Health, 2) ISAPREs, for its acronym in Spanish for Social Security Health Institutions. Since 2005, as part of the health system reforms, the law of "explicit health guarantees" (GES, for its acronym in Spanish) has been in force. This law includes pathologies considered a priority for Chilean public health, and includes the following guarantees: a) Access: to receive the care defined for each disease. b) Quality: Compliance with quality standards. c) Timeliness: Existence of a maximum term to provide the guaranteed health benefits, in the stages of screening, suspicion, diagnosis, treatment and follow-up, and rehabilitation. d) Financial protection: Financial coverage for the components covered for each disease (health care, medicines, laboratory tests, imaging, supplies or any other included). Both FONASA and ISAPRE must ensure the granting of these guarantees. Currently, there are 87 diseases included, 10 of which are related to respiratory medicine. This presentation describes how these guarantees operate within the Chilean health system, with emphasis on diseases related to respiratory medicine.

**10:30**    **Explicit health guarantees in respiratory medicine**    **4639**  
All Speakers

World Village  
Auditorium

Session 457

12:30 - 13:30

## Session world village: Meet up for ERS early career representative and national societies

**Aims :** To discuss how to strengthen the bonds of ECMs from different international societies, discuss ways of collaboration and share the experience of ECMs participating in the other societies congresses.

**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Matteo SICILIANO (ROMA, Italy), Dorina Rama Esendagli (Ankara, Turkey)

**12:30**    **Meet up for ERS early career representative and national societies**    **4741**  
All Speakers



World Village  
Auditorium

Session 511

14:00 - 15:00

**Session world village: Everything you need to know about bronchiectasis (and were afraid to ask)**

**Aims :** Everything you need to know about bronchiectasis (and were afraid to ask) Clinicians and patients asking questions of each other and from the audience that are not often addressed in clinical practice.

**Chairs :** Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom)

**14:00** **Everything you need to know about bronchiectasis (and were afraid to ask)**  
All Speakers

5498

World Village  
Auditorium

Session 525

15:15 - 15:45

**Session world village: Turkish Respiratory Society (TRS) in the Fight for Tobacco Control**

**Aims :** Turkish Respiratory Society (TRS) is a lung health association founded 53 years ago, and continues its work with the aim of "protecting the lung health of the public" with nearly 5,000 members across Turkiye. TRS, which carries out activities to protect public health by supporting social and vocational education and research, continues its activities domestically with the slogan "With inexhaustible breath". Working for similar goals and objectives as the European Respiratory Society aims to share current knowledge and skills with its members and field experts with associations and organizations such as WHO, to disseminate new education opportunities, and to standardize qualified health services and improve the quality of lung health in our country and region. In addition to treating and intervening in medical conditions, sharing information and making recommendations to policymakers about lung health issues and providing preventive control of problems before they occur. It aims to give feedback.

Cigarettes, tobacco, and nicotine products run by Big Tobacco are among the leading preventable causes on health, so every success against them is so important and valuable for improving lung health.

TRS has a Tobacco control working group for decades .In cooperation with the Ministry of Health of the Republic of Turkiye, it organizes free Smoking Cessation Courses approved by the Ministry of Health at the annual congress. Physicians who complete these courses provide smoking cessation outpatient clinic services in primary, secondary and tertiary level of health facilities Ministry of Health ,university hospitals throughout the country. This service is offered free of charge and provides access to the latest treatments free of charge.

Our course curriculum is not limited to smoking cessation information. New nicotine products and rapidly updated scientific data about them. It contains content that can be used in preventive activities such as marketing tactics of the cigarette industry.

Every course participant. He is competent to advocate in his field of influence, give conferences, and carry out practices in cooperation with the relevant authorities.

In the last 5 years, the total number of participants was 122, including general practitioners, family medicine, public health, thoracic surgeons, and pulmonologists working in the field.

We have started a new practice to provide more physicians with the same opportunities for the intense demand for smoking cessation courses, which are filled at the earliest at the annual congresses. In addition to the annual congress, we have been organizing the same course regionally for the last 2 years. In this way, logistical convenience is provided to course participants by taking instructors to regions where demand is high. Trainees who are successful after 2 days of completing the same curriculum and practical application and have their certification can open a Smoking Cessation Outpatient Clinic at their place of duty. The first of the regional course is in the easternmost province of the country, Van. This year's one was held in the central Anatolian province of Konya. Ease of transportation increased the number of participants and participation from different branches. 60 physicians attended only 2 regional courses. This attendance per course is above average participation which encourages us that we are in the right direction

We know that the new target of the tobacco industry in the world is young people and children, and that they introduce new nicotine products to the market with unrealistic information such as reduced harm, harmless, smoke-free, etc., in order not to lose former smokers. We support healthcare professionals and the public to access accurate information on this issue, and we always maintain competition in healthy communication for health, especially on social media. We aim to prevent tobacco and nicotine addiction in accordance with global strategies and country needs all year round, but especially on 9 February Smoking Cessation Day and 31 May World No Tobacco days. We organize face to face, hybrid and online meetings, webinars and congress sessions that raise awareness in understanding the tobacco industry and their agenda. We also cooperate with the municipality, educational institutions and other public organizations in regional activities. We actively contribute and participate in national and international activities. We provide support opportunities to our interested members for work and activities in the European region.

Turkey is currently one of the countries where the production and sale of new nicotine products, heated tobacco, and electronic cigarettes are not legally allowed. We will continue our work in collaboration with ERS to share our experiences regarding policies, practices and potential threats on this issue and for a healthier society throughout Europe.

**15:15** **Turkish Respiratory Society (TRS) in the Fight for Tobacco Control**  
All Speakers

5581

# INDUSTRY SESSIONS

## Lehar 1 Session 51 08:00 - 08:45

**Industry Skills Lab Workshop: Improving Bronchoscopy and Thoracic Surgery: Planning software analysis to aid Bronchoscopic Diagnosis and Surgical Resection.**

*Organised by FUJIFILM Healthcare Europe GmbH*

**Chairs :** Javier Flandes Aldeyturriaga (Madrid, Spain)

## Lehar 2 Session 52 08:00 - 08:45

**Industry Skills Lab Workshop: Aerosol Drug Delivery – How to Support the Respiratory Patient Journey**

*Organised by Aerogen*

**Chairs :** Claus Vogelmeier (Marburg, Germany)

<b>08:00</b>	<b>Aerosol Drug Delivery – How to support the Respiratory Patient Journey</b> Claus Vogelmeier (Marburg, Germany)	<b>296</b>
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## Lehar 1 Session 108 10:30 - 11:15

**Industry Skills Lab Workshop: Personalising therapies for sleep-disordered breathing patients with complex needs**

*Organised by Resmed*

**Chairs :** Sophia E. Schiza (Heraklion, Greece), Stefania Redolfi (Cagliari, Italy)

<b>10:30</b>	<b>When patients have low adherence to therapy</b> Holger Woehrle (Ulm, Germany)	<b>1029</b>
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<b>10:50</b>	<b>When patients have comorbid insomnia</b> Christoph Schöbel (Essen, Germany)	<b>1030</b>
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## Lehar 2 Session 109 10:30 - 11:15

**Industry Skills Lab Workshop: Importance of connectivity in managing home sleep and ventilation patients – adults and pediatrics**

*Organised by Philips*

**Chairs :** Jennifer Mattingley (LaCrosse, United States)

<b>10:30</b>	Alessandro Amaddeo (Trieste, Italy)	<b>1031</b>
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<b>10:48</b>	Maxime Patout (Paris, France)	<b>1032</b>
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## C4 Session 122 12:15 - 13:15

**Industry Lunchtime Symposium: Eliminating COPD as a leading cause of death: advancing frontiers in cardiopulmonary risk**

*Organised by AstraZeneca*

**Chairs :** Christine Jenkins (McMahons Point (NSW), Australia)

<b>12:15</b>	<b>Welcome and introductions</b> Christine Jenkins (McMahons Point (NSW), Australia)	<b>1103</b>
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<b>12:18</b>	<b>Cardiopulmonary risk: is this the biggest threat in COPD?</b> John R Hurst (London, United Kingdom)	<b>1104</b>
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<b>12:28</b>	<b>Managing cardiopulmonary risk: how can we prevent exacerbations and avoidable death?</b> Arschang Valipour (Wien, Austria)	<b>1105</b>
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<b>12:43</b>	<b>COPD matters: why must we act NOW to transform clinical care?</b> Erika Penz (Saskatoon, Canada), Christine Jenkins (McMahons Point (NSW), Australia)	<b>1106</b>
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<b>12:58</b>	<b>Panel discussion and audience Q&amp;A - All faculty</b> All Speakers	<b>1107</b>
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**13:13 Summary and close** **1108**  
Christine Jenkins (McMahons Point (NSW), Australia)

**C2 Session 123 12:15 - 13:15**

**Industry Lunchtime Symposium: Striving for disease stability in COPD: Giving patients more of their best days**

*Organised by GSK*

**Chairs :** Dave Singh (Manchester, United Kingdom), MeiLan K. Han (Ann Arbor, United States)

**12:15 Welcome and opening remarks** **1109**  
MeiLan K. Han (Ann Arbor, United States)

**12:18 The challenge of unstable COPD: Should we expect more for our patients?** **1110**  
Lowie Vanfleteren (Göteborg, Sweden)

**12:28 Disease stability as a novel treatment goal in clinical practice: How can we achieve this?** **1111**  
Dave Singh (Manchester, United Kingdom)

**12:40 COPD care in daily practice: What does disease stability mean for patients and physicians?** **1112**  
MeiLan K. Han (Ann Arbor, United States)

**12:52 Panel discussion and Q&A - All faculty** **1113**  
All Speakers

**13:10 Summary and close** **1114**  
Dave Singh (Manchester, United Kingdom)

**C5 Session 124 12:15 - 13:15**

**Industry Lunchtime Symposium: Innovations in Protection: Building on the Legacy of Pneumococcal Conjugate Vaccines**

*Organised by Pfizer*

**Chairs :** Robert Krause (Graz, Austria)

**12:15 Welcome and Opening Remarks on the Importance of Pneumococcal Vaccination** **1115**  
Robert Krause (Graz, Austria)

**12:23 Protecting Against Pneumococcal Disease in Adults with Chronic Respiratory Conditions** **1116**  
Stylianos Loukides (Athens, Greece)

**12:48 Addressing the Burden of Pediatric Pneumococcal Disease with the 20-Valent Pneumococcal Conjugate Vaccine** **1117**  
Odile Launay (Paris, France)

**13:03 Faculty Discussion and Q&A Session - All faculty** **1118**  
All Speakers

**13:14 Closing Remarks** **1119**  
Robert Krause (Graz, Austria)

**C1 Session 125 12:15 - 13:15**

**Industry Lunchtime Symposium: Holistic approach to improve quality of life of people living with COPD**

*Organised by Chiesi Farmaceutici SpA*

**Chairs :** Daiana Stolz (Freiburg, Germany), Claus Vogelmeier (Marburg, Germany)

**12:15 Welcome and introduction** **1120**  
Daiana Stolz (Freiburg, Germany), Claus Vogelmeier (Marburg, Germany)

**12:20 Unveiling the multifaceted burden of COPD** **1121**  
Daiana Stolz (Freiburg, Germany)

**12:50 Enhancing COPD patients' lives through appropriate device selection** **1123**  
Omar S. Usmani (London, United Kingdom)

12:35	<b>Real-Life insights into COPD management: focusing on patient-centric endpoints</b> Paola Rogliani (Roma (RM), Italy)	1122
13:05	<b>Q&amp;A and Discussion - All faculty</b> All Speakers	1124

## C6 Session 126 12:15 - 13:15

### Industry Lunchtime Symposium: Examining the evidence in airway disease: Is the epithelium the missing link?

Organised by AstraZeneca

**Chairs :** Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

12:15	<b>Welcome from the Chair</b> Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	1125
12:20	<b>Exploring the impact of environmental triggers on epithelial barrier dysfunction: initiation of a complex inflammatory cascade</b> Asger Sverrild (Valby, Denmark)	1127
12:30	<b>Understanding the critical role of the epithelium as an immune-functioning organ and driver of multiple inflammatory pathways that underpin disease</b> Simon Couillard (Sherbrooke, Canada)	1128
12:40	<b>Repair towards remission: epithelial-driven inflammation and opportunities to restore epithelial barrier function</b> Julia Eckl-Dorna (Vienna, Austria)	1129
12:50	<b>Panel discussion: A need for a joined-up approach to airway disease management – challenging the current care paradigm - All faculty</b> All Speakers	1130
13:10	<b>Reflection and Meeting close</b> Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	1131

## A2 Session 127 12:15 - 13:15

### Industry Lunchtime Symposium: ReThink IL-5: The Future of Type 2 Severe Asthma

Organised by GSK

**Chairs :** Robab Breyer-Kohansal (Wien, Austria), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Hitasha Rupani (Southampton, United Kingdom)

12:15	<b>Welcome and introductions</b> Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)	1133
12:20	<b>Anti-IL-5 efficacy in Type 2 Asthma</b> Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)	1134
12:30	<b>Beyond EOS: Emerging IL-5 science</b> Hitasha Rupani (Southampton, United Kingdom)	1135
12:45	<b>Progressing patient outcomes with biologic treatment</b> Robab Breyer-Kohansal (Wien, Austria)	1136
13:00	<b>Panel discussion and Q&amp;A - All faculty</b> All Speakers	1137
13:10	<b>Summary and close</b> Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)	1138

## C3 Session 128 12:15 - 13:15

### Industry Lunchtime Symposium: The Future Is Now: A New Targeted Therapy in COPD That Goes Beyond Optimised Inhaled Therapy

Organised by Sanofi Regeneron

**Chairs :** Christian Taube (Essen, Germany)



<b>12:15</b>	<b>Welcome and Introductions</b> Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)	<b>1139</b>
<b>12:20</b>	<b>Data Review and Panel Discussion</b> Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)	<b>1140</b>
<b>13:00</b>	<b>Summary and Close</b> Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)	<b>1141</b>
<b>13:05</b>	<b>Audience Q&amp;A</b> Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)	<b>1142</b>

## A1 Session 163 12:45 - 13:45

### Industry Lunchtime Symposium: Changing PAH patients' lives: Making the difference with shared decision-making from diagnosis

Organised by Johnson & Johnson

Chairs : Silvia Ulrich (Zurich, Switzerland), Horst Olschewski (Graz, Austria)

<b>12:45</b>	<b>Welcome and introduction</b> Silvia Ulrich (Zurich, Switzerland)	<b>1778</b>
<b>12:50</b>	<b>Patient Perspective</b> Eva Otter (Vienna, Austria)	<b>1779</b>
<b>13:00</b>	<b>Patient Perspective Q&amp;A</b> Silvia Ulrich (Zurich, Switzerland), Eva Otter (Vienna, Austria), Horst Olschewski (Graz, Austria)	<b>1780</b>
<b>13:05</b>	<b>How to change the course of PAH</b> Michele D'Alto (Napoli (NA), Italy)	<b>1781</b>
<b>13:20</b>	<b>How to stay on course in PAH</b> Hans Klose (Hamburg, Germany)	<b>1782</b>
<b>13:35</b>	<b>Panel discussion with audience Q&amp;A - All faculty</b> All Speakers	<b>1783</b>
<b>13:40</b>	<b>Closing remarks</b> Horst Olschewski (Graz, Austria)	<b>1784</b>

## Lehar 3 Session 165 12:45 - 13:45

### Industry Lunchtime Symposium: It Takes A Village: Driving Change for RSV Prevention and Respiratory Health in Adults

Organised by Moderna

<b>12:45</b>	<b>Welcome and Introduction</b> Grant Waterer (Perth (WA), Australia)	<b>1791</b>
<b>12:50</b>	<b>Respiratory Outcomes following RSV Infection in Adults</b> Alberto Papi (Cona, Ferrara, Italy)	<b>1792</b>
<b>13:05</b>	<b>Innovations in RSV Prevention for Respiratory Health</b> Edward Walsh (Rochester, United States)	<b>1793</b>
<b>13:20</b>	<b>Perspectives on Multidisciplinary Care for RSV Prevention</b> Martina Prelog (Wuerzburg, Germany)	<b>1794</b>
<b>13:35</b>	<b>Closing Remarks and Q&amp;A - All faculty</b> All Speakers	<b>1795</b>

## Strauss 1

## Session 166

12:45 - 13:45

## Industry Lunchtime Symposium: Bronchiectasis Exacerbations - Are We Doing Everything We Can?

Organised by Insmad

Chairs : Eva Polverino (Barcelona, Spain)

12:45	<b>Introduction and Objectives</b> Eva Polverino (Barcelona, Spain)	1796
12:50	<b>Why are Bronchiectasis Exacerbations Significant? How does Inflammation Drive Bronchiectasis Exacerbations?</b> Pieter Goeminne (Bornem, Belgium)	1797
13:05	<b>Understanding the Impact of Bronchiectasis Exacerbations on Patients and Current Management Strategies</b> Michal Steinberg (Haifa, Israel)	1798
13:20	<b>Emerging Therapeutic Approaches for the Prevention of Bronchiectasis Exacerbations</b> Pamela J. McShane (Tyler, United States)	1799
13:35	<b>Panel Discussion and Q&amp;A - All faculty</b> All Speakers	1800
13:40	<b>Close</b> Eva Polverino (Barcelona, Spain)	1801

## Strauss 2

## Session 167

12:45 - 13:45

## Industry Lunchtime Symposium: The Hidden Burden of Asthma: Can Novel Pathways Innovate Asthma Care?

Organised by Sanofi

Chairs : Guy Brusselle (Ghent, Belgium)

12:45	<b>Opening Remarks</b> Guy Brusselle (Ghent, Belgium)	1802
12:55	<b>Understanding the Hidden Burden of Disease in Asthma</b> Monica Kraft (New York, United States)	1803
13:10	<b>Insights Into Evolving Treatment Pathways in Asthma</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	1804
13:20	<b>Panel Discussion: Innovation to Address Asthma Burden</b> Guy Brusselle (Ghent, Belgium)	1805
13:40	<b>Audience Q&amp;A and Closing Remarks</b> Guy Brusselle (Ghent, Belgium)	1806

## Lehar 1

## Session 175

14:00 - 14:45

## Industry Skills Lab Workshop: Application of Oscillometry in Clinical Practice – Common Use Cases and Result Interpretation

Organised by GANSHORN Medizin Electronic GmbH

Chairs : Frederik Trinkmann (Heidelberg, Germany)

14:00	<b>Application of Oscillometry in Clinical Practice – Common Use Cases and Result Interpretation</b> Frederik Trinkmann (Heidelberg, Germany)	1841
14:36	<b>Live interactive demonstration of oscillometry and Q&amp;A</b>	1842

## Lehar 2

## Session 176

14:00 - 14:45

## Industry Skills Lab Workshop: Exploring Advanced Techniques: Peripheral Bronchoscopic Lung Biopsy with Mini-Probe and Navigation Planning

Organised by FUJIFILM Healthcare Europe GmbH

Chairs : Arschang Valipour (Wien, Austria)

## Lehar 1

## Session 195

15:30 - 16:15

## Industry Skills Lab Workshop: Complementary ways of generating evidence with OSA therapies

Organised by ResMed

Chairs : Esther Irene Schwarz (Zürich, Switzerland), Raphael Heinzer (Lausanne, Switzerland)

15:30	<b>What have we learned from post-hoc and on-treatment analysis of RCTs with CPAP on cardiovascular outcomes?</b> Manuel Sanchez De La Torre (Toledo, Spain)	1950
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15:50	<b>Exploring alternative study designs in OSA</b> Jean-Louis Pépin (Grenoble, France)	1951
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## Lehar 2

## Session 196

15:30 - 16:15

## Industry Skills Lab Workshop: "Making the most of body plethysmography measurements"

Organised by Vyaire Medical GmbH

Chairs : Herman Groepenhoff (Lijnden, Netherlands)

15:30	<b>"Making the most of body plethysmography measurements"</b> Aisling McGowan (Dublin 15, Ireland)	1952
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## C2

## Session 205

17:30 - 19:00

## Industry evening symposium: A Breath of Change in Bronchiectasis: Exploring New Therapies and Patient Perspectives

Organised by Insmad

17:30	<b>Introduction</b> Anne O'Donnell (Washington, United States)	2009
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17:35	<b>Meet the patient</b> Anne O'Donnell (Washington, United States)	2010
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17:45	<b>Best practices in bronchiectasis care today</b> Stefano Aliberti (Milano (MI), Italy)	2011
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18:00	<b>The rationale behind emerging approaches for bronchiectasis</b> Timothy Aksamit (Rochester, United States)	2012
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18:15	<b>Emerging bronchiectasis treatments: the latest clinical data</b> Anne O'Donnell (Washington, United States)	2013
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18:35	<b>Panel discussion: how will new therapies change the bronchiectasis treatment paradigm</b>	2014
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18:45	<b>Q&amp;A and concluding remarks</b> Anne O'Donnell (Washington, United States)	2015
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## C5

## Session 206

17:30 - 19:00

## Industry evening symposium: PPF: Progress over PerFection

Organised by Boehringer Ingelheim International GmbH

Chairs : Marlies S. Wijsenbeek (Rotterdam, Netherlands)

17:30	<b>Introduction</b> Marlies S. Wijsenbeek (Rotterdam, Netherlands)	2016
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17:35	<b>What is progressive pulmonary fibrosis (PPF)?</b> Marlies S. Wijsenbeek (Rotterdam, Netherlands)	2017
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17:45	<b>What have real-world data taught us about PPF?</b> Kevin R. Flaherty (Pinckney, United States)	2018
18:00	<b>Management of PPF: patient case studies</b> Marlies S. Wijzenbeek (Rotterdam, Netherlands), Vanessa Smith (Ghent, Belgium), Helmut Prosch (Wien, Austria)	2019
18:30	<b>PPF: where might the future take us?</b> Toby M Maher (Los Angeles, United States)	2020
18:45	<b>Questions and answers - All faculty</b> All Speakers	2021

## C1 Session 207 17:30 - 19:00

### Industry evening symposium: Asthma & AIR: Treating Inflammation. Every Inhalation.

Organised by AstraZeneca

Chairs : Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)

17:30	<b>Welcome and introduction</b> Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)	2022
17:40	<b>Global strategy for the prevention and management of asthma 2024</b> Helen Reddel (Sydney, Australia)	2023
17:55	<b>3 Step AIR in New Zealand</b> Robert Hancox (Dunedin, New Zealand)	2024
18:10	<b>Improving asthma care through implementation of the China CARE4ALL program</b> Kewu Huang (Beijing, China)	2025
18:25	<b>Q&amp;A session - All faculty</b> All Speakers	2026
18:50	<b>Concluding remarks</b> Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)	2027

## C6 Session 208 17:30 - 19:00

### Industry evening symposium: The next step in COPD care: Disease stability?

Organised by GSK

Chairs : MeiLan K. Han (Ann Arbor, United States)

17:30	<b>COPD patients: What does a good day look like?</b> MeiLan K. Han (Ann Arbor, United States)	2028
17:40	<b>What is the latest treatment strategy recommended by GOLD?</b> David M. G. Halpin (Exeter, United Kingdom)	2029
18:00	<b>What could we achieve by optimising treatment with greater ambition?</b> Laurent-Pierre Nicod (lausanne, Switzerland)	2030
18:20	<b>Disease stability: A new clinical goal made possible?</b> MeiLan K. Han (Ann Arbor, United States)	2031
18:35	<b>Why disease stability matters for patients: Panel discussion and Q&amp;A - All faculty</b> All Speakers	2032

## A2 Session 209 17:30 - 19:00

### Industry evening symposium: Reshaping Expectations in Severe Asthma: Achieving More Beyond Symptom Control

Organised by Sanofi Regeneron

Chairs : Alberto Papi (Cona, Ferrara, Italy)

17:30	<b>Opening Remarks</b> Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)	2033
17:40	<b>Interactive Discussion : Advancing treatment goals and evolving expectations in the treatment of severe type 2 asthma</b> Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)	2034
18:45	<b>Closing Remarks</b> Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)	2035
18:50	<b>Audience Q &amp; A</b> Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)	2036

### C3 Session 210 17:30 - 19:00

#### Industry evening symposium: Transforming care in SEA: evidence and considerations for evolution of the current treatment paradigm

Organised by AstraZeneca

Chairs : Stefano Del Giacco (Cagliari (CA), Italy)

17:30	<b>Welcome from the Chair and session objectives</b> Stefano Del Giacco (Cagliari (CA), Italy)	2037
17:35	<b>Latest advances in understanding of the critical role of eosinophils in severe asthma: the key driver of the hallmarks of disease</b> Katrin Milger-Kneidinger (Munich, Germany)	2038
17:50	<b>A focus on persistent airflow obstruction in SEA</b> Felix J.F. Herth (Heidelberg, Germany)	2039
18:05	<b>Remission as a clinical target in SEA</b> Stephanie Korn (Mainz, Germany)	2040
18:30	<b>Panel discussion: Beyond asthma control and remission: tackling the treatment escalator - All faculty</b> All Speakers	2041
18:55	<b>Meeting close</b> Stefano Del Giacco (Cagliari (CA), Italy)	2042

### Lehar 3 Session 211 17:30 - 19:00

#### Industry evening symposium: From pulmonary embolism to chronic thromboembolic pulmonary hypertension management- A full patient journey.

Organised by MSD

Chairs : Marion Delcroix (Leuven, Belgium), Irene Lang (Wien, Austria)

17:30	<b>Opening remarks</b> Irene Lang (Wien, Austria), Marion Delcroix (Leuven, Belgium)	2043
17:38	<b>Walking the thin path from pulmonary embolism to chronic thromboembolic disease/chronic thromboembolic pulmonary hypertension</b> Erik Klok (Leiden, Netherlands)	2044
17:53	<b>Multimodal approach of CTEPH management: Where do we stand today?</b> Xavier Jais (Le Kremlin-Bicêtre, France)	2045
18:05	<b>Overview of landmark trials of medical therapies in CTEPH</b> Nick Kim (La Jolla, United States)	2046
18:17	<b>What do we know about residual pulmonary hypertension post pulmonary endarterectomy/balloon pulmonary angioplasty and how to address it?</b> Joanna Pepke-Zaba (Cambridge, United Kingdom)	2047



18:29	<b>What have we learned from recent CTEPH registries?</b> Marion Delcroix (Leuven, Belgium)	2048
18:41	<b>Q&amp;A and faculty pannel disucssion</b> Irene Lang (Wien, Austria)	2049
18:58	<b>Closing remarks</b> Marion Delcroix (Leuven, Belgium), Irene Lang (Wien, Austria)	2050

## Strauss 1 Session 212 17:30 - 19:00

### Industry evening symposium: Breathing with COPD: Priority goals that matter to patients

Organised by Menarini Group

Chairs : Arschang Valipour (Wien, Austria)

17:30	<b>COPD: Challenges we are facing in 2024</b> Arschang Valipour (Wien, Austria)	2051
17:40	<b>Early detection of COPD: is a symptom-based approach useful?</b> Marie-Kathrin Breyer (Wien, Austria)	2052
18:00	<b>Real world evidence on treatment patterns and comorbidities in COPD</b> Pierachille Santus (Milano (MI), Italy)	2053
18:20	<b>Pole position for dual BD in COPD in national and international Guidelines: a critical overview</b> Jose Luis López-Campos Bodineau (Sevilla, Spain)	2054
18:40	<b>Chairman's wrap-up and conclusions</b> Arschang Valipour (Wien, Austria)	2055
18:50	<b>Q&amp;A - All faculty</b> All Speakers	2056

## Lehar 1 Session 213 17:30 - 19:00

### Industry evening mini symposium: Readdressing the focus on lung diseases: New research insights on patients' needs

Organised by Grifols

Chairs : Eva Polverino (Barcelona, Spain), Noel Gerard McElvaney (Dublin, Ireland)

17:30	<b>Welcome and introduction.</b> Noel Gerard McElvaney (Dublin, Ireland), Eva Polverino (Barcelona, Spain)	2057
17:35	<b>Navigating severe acquired pneumonia: Strategies for effective treatment.</b> Ignacio Martin-Loeches (Dublin, Ireland)	2058
17:55	<b>Markers of inflammation, mirrors of disease: Shining light on bronchiectasis.</b> Eva Polverino (Barcelona, Spain)	2059
18:15	<b>Exploring co-morbidities and exacerbations in COPD and AATD: Gender matters.</b> Franziska Trudzinski (Heidelberg, Germany)	2060
18:35	<b>Charting the course: Learnings from AATD registry studies.</b> Noel Gerard McElvaney (Dublin, Ireland)	2061
18:50	<b>Final discussion and summary.</b> Noel Gerard McElvaney (Dublin, Ireland)	2062
18:55	<b>ALTA awards ceremony and closing.</b> Marion Trautmann (Frankfurt am Main, Germany), Noel Gerard McElvaney (Dublin, Ireland)	2063

## Lehar 2 Session 214 17:30 - 19:00

### Industry evening mini symposium: Pulmonary Alveolar Proteinosis: Pathophysiology, Diagnosis, and Management

Organised by Savara Inc.

Chairs : Brian Robinson (Langhorne, United States)

<b>17:30</b>	<b>Introduction</b> Brian Robinson (Langhorne, United States)	<b>2064</b>
<b>17:40</b>	<b>Pathophysiology of Pulmonary Alveolar Proteinosis</b> Cormac McCarthy (Dublin 4, Ireland)	<b>2065</b>
<b>18:00</b>	<b>Diagnosis of Pulmonary Alveolar Proteinosis</b> Elisabeth Bendstrup (Aarhus N, Denmark)	<b>2066</b>
<b>18:20</b>	<b>Management of Pulmonary Alveolar Proteinosis</b> Francesco Bonella (Essen, Germany)	<b>2067</b>
<b>18:40</b>	<b>Question &amp; Answer led by Brian Robinson - All faculty</b> All Speakers	<b>2068</b>

## Lehar 3

## Session 215

07:30 - 08:30

## Industry early morning symposium: Biologic Therapy for Pediatric Severe Asthma: Is Clinical Remission Possible?

Organised by Sanofi Regeneron

Chairs : Leonard Bacharier (Nashville, United States)

07:30	<b>Welcome</b> Leonard Bacharier (Nashville, United States)	2069
07:35	<b>Real-World Patient Case – Introduction</b> Leonard Bacharier (Nashville, United States)	2070
07:45	<b>Panel Discussion: What Might Be Required for On-Therapy Remission in Pediatric Severe Asthma? - All faculty</b> All Speakers	2071
07:55	<b>How Can Biologics Help Achieve Clinical Remission in Children With Severe Asthma?</b> Sharon Dell (Vancouver, British Columbia, Canada)	2072
08:15	<b>Real-World Patient Case – Follow Up</b> Leonard Bacharier (Nashville, United States)	2073
08:20	<b>Audience Q&amp;A - All faculty</b> All Speakers	2074

## Lehar 1

## Session 219

08:00 - 08:45

## Industry Skills Lab Workshop: Enhancing Patient Outcomes with G3 Series CPAP / BPAP and PAP Link Digital Health Solution

Organised by BMC Medical Co.Ltd.

Chairs : ludovic ABUAF (ROMORANTIN LANTHENAY, France), Bernhard Baumgartner (Vöcklabruck, Austria)

08:00	<b>Enhancing Patient Outcomes with G3 Series CPAP / BPAP and PAP Link Digital Health Solution</b> Julien Favier (Roanne, France)	2084
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## Lehar 2

## Session 220

08:00 - 08:45

## Industry Skills Lab Workshop: Value of Ambulation and Long-Term Oxygen Therapy in Chronic Respiratory Conditions

Organised by INOGEN

Chairs : ABHIJITH PG (Amsterdam, Netherlands)

08:00	<b>Ambulation and Long-Term Oxygen Therapy – Clinical Insights</b> Michael Dreher (Aachen, Germany)	2085
08:15	<b>Clinical Case Study with LTOT &amp; POC in Chronic Respiratory Conditions</b> Claudio Rabec (Lausanne, Switzerland)	2086
08:30	<b>Product Demonstration &amp; Video</b> Benjamin Hepplestone (De Meern, Netherlands)	2087

## Lehar 1

## Session 276

10:30 - 11:15

## Industry Skills Lab Workshop: Beyond medication: optimising COPD care with non-invasive ventilation (NIV) and high-flow therapy (HFT)

Organised by ResMed

Chairs : Nicholas Hart (London, United Kingdom), Ulla Møller Weinreich (Ålborg, Denmark)

10:30	<b>Home HFT's role and benefits in optimising management of COPD</b> Annalisa Carlucci (San Donato Milanese (MI), Italy)	2840
10:50	<b>Home NIV's role and benefits in optimising management of COPD</b> Maxime Patout (Paris, France)	2841

## Lehar 2

## Session 277

10:30 - 11:15

**Industry Skills Lab Workshop: The impact of humidified high flow on mucus retention***Organised by Fisher & Paykel Healthcare***Chairs :** Michael Dreher (Aachen, Germany), anthony desoyza (, United Kingdom)

10:30	<b>Sputum viscosity is correlated with Computed Tomography (CT) mucus score</b> Jérémy Charriot (Montpellier Cedex 5, France)	2842
10:48	<b>Effect of humidified high flow on mucus viscosity</b> Roberto Martinez Alejos (Montpellier, France)	2843
11:06	<b>Can humidified high flow reverse mucus plugging ?</b> Claudia Crimi (Catania (CT), Italy)	2844

## C4

## Session 289

12:15 - 13:15

**Industry Lunchtime Symposium: Targeting TSLP: Addressing the multiple drivers of severe asthma***Organised by AstraZeneca***Chairs :** Njira Lugogo (Durham, United States)

12:15	<b>Welcome from the Chair and session objectives</b> Njira Lugogo (Durham, United States)	2914
12:20	<b>Latest evidence</b> Marco Caminati (Verona (VR), Italy)	2915
12:35	<b>Comprehensive management of severe uncontrolled asthma: The case for TEZSPIRE - All faculty</b> All Speakers	2916
13:05	<b>Audience Q&amp;A - All faculty</b> All Speakers	2917
13:10	<b>Meeting close</b> Njira Lugogo (Durham, United States)	2918

## C2

## Session 290

12:15 - 13:15

**Industry Lunchtime Symposium: A Breath of Fresh Air: A Greater Understanding of COPD With Type 2 Inflammation***Organised by Sanofi Regeneron*

12:15	<b>Welcome and Introductions</b> Henrik Watz (Großhansdorf, Germany)	2919
12:20	<b>Living With COPD: Linking Inflammation With Patient Burden</b> Henrik Watz (Großhansdorf, Germany)	2920
12:30	<b>Unraveling the Role of Type 2 Inflammation in COPD</b> Mona Bafadhel (London, United Kingdom)	2921
12:45	<b>On Target: Perspectives From the Evolving Biologic Landscape in COPD</b> Alberto Papi (Cona, Ferrara, Italy)	2922
13:05	<b>Panel Discussion and Audience Q&amp;A - All faculty</b> All Speakers	2923

## C5

## Session 291

12:15 - 13:15

**Industry Lunchtime Symposium: Can we break through the therapeutic ceiling in severe asthma?***Organised by GSK***Chairs :** Celeste Michala Porsbjerg (Copenhagen, Denmark)

12:15	<b>Introduction and housekeeping</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	2924
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12:20	<b>What unmet needs remain in the biologics era?</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	2925
12:30	<b>Improving outcomes in chronic inflammatory conditions: What more can we do?</b> Dominick Shaw (Leicester, United Kingdom), Tim Raine (Cambridgeshire, United Kingdom)	2926
12:45	<b>Emerging therapies: What's next in severe asthma?</b> Florence Schleich (Liège, Belgium)	2927
13:00	<b>Closing remarks and audience Q&amp;A</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	2928

## C1 Session 292 12:15 - 13:15

### Industry Lunchtime Symposium: The Evolving Treatment Landscape of Pulmonary Arterial Hypertension: Activin Signaling Inhibitors (ASIs)

Organised by MSD

**Chairs :** Marc Humbert (Le Kremlin-Bicêtre, France)

12:15	<b>TGFβ pathway and its role in PAH pathophysiology</b> Ioana R Preston (Boston, United States)	2929
12:26	<b>Role of Activin A in PAH pathophysiology</b> Stephan Rosenkranz (Köln, Germany)	2930
12:37	<b>Activin A and relationship to PAH patient outcomes</b> Laurent Savale (Le Kremlin-Bicêtre, France)	2931
12:48	<b>Emerging Therapies: Activin Signaling Inhibitors (ASIs) to target the TGFβ Pathway</b> Marc Humbert (Le Kremlin-Bicêtre, France)	2932
13:00	<b>Round Table Q&amp;A/discussion - All faculty</b> All Speakers	2933

## C6 Session 293 12:15 - 13:15

### Industry Lunchtime Symposium: Optimizing Pneumococcal Disease Prevention By Considering Adult Population Needs

Organised by MSD

**Chairs :** Günter Weiss (Innsbruck, Austria)

12:15	<b>Welcome and introduction by chair</b> Günter Weiss (Innsbruck, Austria)	2934
12:20	<b>Unique serotype epidemiology of adult pneumococcal disease</b> Mário Ramirez (Lisbon, Portugal)	2935
12:35	<b>Burden of pneumococcal disease in adults in Europe – results from the PNEUMO Study EUROPE</b> Lisa Hessels (Alkmaar, Netherlands)	2936
12:50	<b>Designing an adult-specific pneumococcal vaccine</b> Vinita Jagannath (London, United Kingdom)	2937
13:05	<b>Question and Answers</b> Günter Weiss (Innsbruck, Austria)	2938

## A2 Session 294 12:15 - 13:15

### Industry Lunchtime Symposium: Protection from RSV starts with you. Act now.

Organised by GSK

**Chairs :** Harish Nair (Edinburgh, United Kingdom)

12:15	<b>Welcome &amp; introduction</b> Harish Nair (Edinburgh, United Kingdom)	2939
12:25	<b>What can RSV mean to me? A new cardiorespiratory perspective on RSV</b> Daiana Stolz (Freiburg, Germany), Cristina Gavina (Matosinhos, Portugal)	2940



12:40	<b>How you can help prevent RSV infection</b> Tino Schwarz (Würzburg, Germany)	2941
12:50	<b>Panel discussion: How do I help my patients act against RSV? - All faculty</b> All Speakers	2942
13:05	<b>Q&amp;A and closing remarks - All faculty</b> All Speakers	2943

### C3 Session 295 12:15 - 13:15

#### Industry Lunchtime Symposium: Breathing in Harmony: Tailoring Treatment for COPD and Asthma

Organised by Menarini Group

Chairs : Bernd Lamprecht (Linz, Austria)

12:15	<b>Introduction</b> Bernd Lamprecht (Linz, Austria)	2944
12:20	<b>Double treatment in COPD</b> Paola Rogliani (Roma (RM), Italy)	2945
12:35	<b>Triple Therapy in COPD: When and How?</b> Claus Vogelmeier (Marburg, Germany)	2946
12:50	<b>How to choose the right ICS/LABA in Asthma?</b> Dave Singh (Manchester, United Kingdom)	2947
13:05	<b>Q&amp;A - All faculty</b> All Speakers	2948

### A3 Session 331 12:45 - 13:45

#### Industry Lunchtime Symposium: Embrace patient perspectives and new real-world evidence towards better asthma management

Organised by Chiesi Farmaceutici SpA

Chairs : Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria)

12:45	<b>Welcome and introduction</b> Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria)	3579
12:50	<b>Looking deep into the lung in asthma: the role of small airways disease</b> Monica Kraft (New York, United States)	3580
13:00	<b>Q&amp;A/discussion - All faculty</b> All Speakers	3581
13:05	<b>Listen carefully to the patient's perspective</b> Jutta Beier (Wiesbaden, Germany), Oriana Sousa (Marinha Grande, Portugal)	3582
13:25	<b>Q&amp;A/discussion - All faculty</b> All Speakers	3583
13:30	<b>Learning from patient reported outcomes in real-world evidence</b> Kai Michael Bech (Taunusstein, Germany)	3584
13:40	<b>Q&amp;A/discussion - All faculty</b> All Speakers	3585

### Lehar 3 Session 332 12:45 - 13:45

#### Industry Lunchtime Symposium: Paving the way: the role of pulmonologists in optimising NSCLC diagnosis and management - an interactive, case-based symposium

Organised by AstraZeneca

Chairs : Alona Zer (Haifa, Israel)

12:45	<b>Welcome and introduction</b> Alona Zer (Haifa, Israel)	3586
12:55	<b>On the horizon: innovative techniques for improving NSCLC screening and diagnosis (including Q&amp;A)</b> Luis Seijo (Madrid, Spain)	3587
13:10	<b>Embracing the future: integrating novel techniques in the diagnostic workup of NSCLC (including Q&amp;A)</b> Lina Zuccatosta (Naples, Italy)	3588
13:25	<b>Acting as one: enabling optimal patient outcomes through multidisciplinary team collaboration (including Q&amp;A)</b> Mir Ali Reza Hoda (Wien, Austria)	3589
13:40	<b>Panel discussion, summary and close - All faculty</b> All Speakers	3590

**Strauss 2****Session 334****12:45 - 13:45****Industry Lunchtime Symposium: Sounding the ALARM-in COPD: Act at the firST2 opportunity***Organised by F. Hoffmann-La Roche Ltd.***Chairs :** Alvar Agusti Garcia-Navarro (Barcelona, Spain)

12:45	<b>Opening remarks</b> Alvar Agusti Garcia-Navarro (Barcelona, Spain)	3596
12:50	<b>Transforming our approach to exacerbations: patient and HCP perspectives</b> Alvar Agusti Garcia-Navarro (Barcelona, Spain), Peter Deussen (, United Kingdom)	3597
13:05	<b>The alarmin pathway: ST2eering a course through the science</b> Jadwiga Wedzicha (London, United Kingdom)	3598
13:20	<b>The clinical trial landscape in COPD: extending the reach of biologics</b> Fernando J. Martinez (New York, United States)	3599
13:35	<b>Q&amp;A and closing remarks - All faculty</b> All Speakers	3600

**Lehar 1****Session 342****14:00 - 14:45****Industry Skills Lab Workshop: Unlocking Success in Sleep Therapy: Navigating clinical Cases in CPAP and Servo Ventilation therapies***Organised by Philips***Chairs :** Jennifer Mattingley (LaCrosse, United States)

14:00	<b>Clinical cases in obstructive sleep apnea</b> Sara Parsons (Surrey, United Kingdom)	3634
14:20	<b>Challenges in managing patients on Servo Ventilation therapy</b> Kristina Zihlerl (Ljubljana, Slovenia)	3635

**Lehar 2****Session 343****14:00 - 14:45****Industry Skills Lab Workshop: Mucus Management of Muco-Obstructive Diseases: Why and How***Organised by PhysioAssist***Chairs :** Claudio Rabec (Lausanne, Switzerland)

14:00	<b>Chair Introduction</b>	3636
14:05	<b>Mucus Clearance in Bronchiectasis: why a pillar treatment?</b> anthony desoyza (, United Kingdom)	3637
14:15	<b>Simeox clinical case: hospitalized patient</b> Laurence Vignaux (Meyrin, Switzerland)	3638

14:25	<b>Simeox clinical case: patients at home</b> Pontus Mertsch (Munich, Germany)	3639
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14:35	<b>Simeox mucus clearance device Hands-on</b>	3640
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## Lehar 1 Session 362 15:30 - 16:15

**Industry Skills Lab Workshop: Hypercapnic patients from hospital to home, new approaches with humidified high flow.**

*Organised by Fisher & Paykel Healthcare*

**Chairs :** Jens Bräunlich (Leipzig, Germany), Ole Hilberg (Vejle, Denmark)

15:30	<b>Nasal high flow in patients with hypercapnic respiratory failure</b> Stefano Nava (Bologna (BO), Italy)	3752
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15:48	<b>Respiratory support with asymmetrical nasal high flow in COPD patients during acute exacerbation.</b> Georg Nilius (Dortmund, Germany)	3753
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16:06	<b>Is there a place for Duet in long-term high flow treatment?</b> Ulla Møller Weinreich (Ålborg, Denmark)	3754
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## Lehar 2 Session 363 15:30 - 16:15

**Industry Skills Lab Workshop: The Impact of Lung Cancer Screening Programs on the Interventional Pulmonology & Bronchoscopy suite**

*Organised by FUJIFILM Healthcare Europe GmbH*

**Chairs :** Neal Navani (London, United Kingdom)

## C5 Session 372 17:30 - 19:00

**Industry evening symposium: Making a difference: Reducing the underrecognized burden of RSV in older adults**

*Organised by Pfizer*

17:30	<b>Welcome and introduction</b> Birgit Weinberger (Innsbruck, Austria)	3807
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17:35	<b>RSV through the patient's perspective</b> Holly Seale (Sydney, Australia)	3808
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17:50	<b>The underestimated burden of RSV disease in older adults</b> Edward Walsh (Rochester, United States)	3809
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18:10	<b>RSV bivalent vaccination: more than two seasons of protection</b> Giovanni Checcucci Iasi (Rome, Italy)	3810
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18:40	<b>Age: a key risk factor for severe RSV disease Optimizing societal protection against RSV</b> Pier Luigi Lopalco (Pisa, Italy)	3811
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18:55	<b>Audience Q&amp;A - All faculty</b> All Speakers	3812
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## C1 Session 373 17:30 - 19:00

**Industry evening symposium: Airway Remodeling: A Permanent or Transitory Consequence in Severe Asthma Patients?**

*Organised by Sanofi Regeneron*

**Chairs :** Klaus F. Rabe (Kiel, Germany)

17:30	<b>Welcome</b> Klaus F. Rabe (Kiel, Germany)	3813
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17:35	<b>Pathophysiologic Mechanisms of Airway Remodeling in Severe Asthma</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)	3814
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17:55	<b>View From the Clinic: What Are the Clinical Consequences of Airway Remodeling?</b> Klaus F. Rabe (Kiel, Germany)	3815
18:15	<b>Can Biologics Reverse Airway Remodeling?</b> Mario Castro (Kansas City, United States)	3816
18:35	<b>Fireside Chat: What Is the Potential for Disease Modification in the Era of Biologics?</b>	3817
18:50	<b>Q&amp;A - All faculty</b> All Speakers	3818

## C6 Session 374 17:30 - 19:00

### Industry evening symposium: Refractory Chronic Cough - disease or symptom?

Organised by GSK

Chairs :

17:30	<b>Welcome and Introduction</b> Marta Dąbrowska (Warszawa, Poland)	3819
17:35	<b>My cough and I</b> Mandy Beadnell (Worthing West Sussex , United Kingdom)	3820
17:45	<b>Clinical diagnosis and real-world evidence data</b> Alyn Morice (Cottingham, United Kingdom)	3822
17:57	<b>Refractory and unexplained chronic cough: mechanisms of disease</b> Imran Satia (Hamilton, Canada)	3821
18:12	<b>Treatment of chronic cough - where do we stand today?</b> Daiana Stolz (Freiburg, Germany)	3824
18:24	<b>What about cough bouts?</b> Jacky Smith (Manchester (Greater Manchester), United Kingdom)	3823
18:39	<b>Panel Discussion</b> Marta Dąbrowska (Warszawa, Poland)	3825
18:54	<b>Q&amp;A</b> Marta Dąbrowska (Warszawa, Poland)	3826

## A2 Session 375 17:30 - 19:00

### Industry evening symposium: Climate change and air pollution: Interventions to increase adaptation and resiliency in respiratory health

Organised by Haleon

Chairs : Christopher Carlsten (Vancouver (BC), Canada)

17:30	<b>Welcome and introduction</b> Dave Hill (Nyon, Switzerland), Christopher Carlsten (Vancouver (BC), Canada)	3827
17:35	<b>Climate change as a risk to respiratory health: Status</b> Christopher Carlsten (Vancouver (BC), Canada)	3828
17:45	<b>Discussion: Importance of behaviour change</b> Sundeep Santosh Salvi (Pune (Maharashtra), India)	3829
18:05	<b>Discussion: Diet and exercise</b> Kian Fan Chung (London, United Kingdom)	3830
18:25	<b>Discussion: Antioxidants and anti-inflammatories</b> Gary Wong (Shatin, Hong Kong)	3831
18:45	<b>Audience live Q&amp;A - All faculty</b> All Speakers	3832
18:55	<b>Summary and close</b> Christopher Carlsten (Vancouver (BC), Canada)	3833

C3

Session 376

17:30 - 19:00

### Industry evening symposium: Finding the right balance: Choosing an ICS/LABA for your moderate asthma patients

Organised by GSK

Chairs : Ashley Woodcock (London, United Kingdom)

17:30	<b>Introduction and welcome</b> Ashley Woodcock (London, United Kingdom)	3834
17:35	<b>Why is timely assessment critical for ICS/LABA initiation in moderate asthma?</b> Ashley Woodcock (London, United Kingdom)	3835
17:55	<b>What is the right balance to look for while selecting an ICS/LABA?</b> Dave Singh (Manchester, United Kingdom)	3836
18:25	<b>Choosing the first ICS/LABA for your patients: From evidence to practice</b> Christian Domingo Ribas (Sabadell (Barcelona), Spain)	3837
18:45	<b>Panel discussion with Q&amp;A - All faculty</b> All Speakers	3838

A3

Session 377

17:30 - 19:00

### Industry evening symposium: The Comorbid Conundrum: Bridging MDT Disciplines to Tackle Type 2 Inflammatory Diseases

Organised by GSK

17:30	<b>Welcome and introductions</b> Giacomo Emmi (Florence, Italy)	3839
17:34	<b>Recognising the many faces of Type 2 inflammation</b> Cedric Jamie Rutland (Lake Forest, United States)	3840
17:54	<b>Investigating the airways: Upper or lower?</b> Boris Haxel (Haldensleben, Germany)	3841
18:14	<b>Evolving EGPA Care: Timely identification and treatment intervention strategies</b> Giacomo Emmi (Florence, Italy)	3842
18:29	<b>Act now: Igniting cross-functional collaboration in clinical practice</b> Ibon Eguiluz (Málaga, Spain)	3843
18:44	<b>Q&amp;A and panel discussion - All faculty</b> All Speakers	3844
18:57	<b>Summary and close - All faculty</b> All Speakers	5626

Strauss 1

Session 378

17:30 - 19:00

### Industry evening symposium: Syndemics in COPD: could cardiopulmonary risk be key?

Organised by AstraZeneca

Chairs : Bartolome R. Celli Croquer (Boston, United States)

17:30	<b>Welcome and introduction</b> Bartolome R. Celli Croquer (Boston, United States)	3845
17:35	<b>Syndemics: a novel approach to patient-centred care in COPD</b> Bartolome R. Celli Croquer (Boston, United States)	3846
17:45	<b>Cardiopulmonary risk: the evidence so far and what it means in practice</b> Jennifer Quint (Wimbledon, United Kingdom), Michael Crooks (East Riding of Yorkshire, United Kingdom)	3847
18:05	<b>Cardiologist perspectives and practical considerations for COPD</b> Shelley Zieroth (Winnipeg, Canada)	3848



18:20	<b>Optimising COPD to protect the heart: what could the future look like?</b> Fernando J. Martinez (New York, United States)	3849
18:30	<b>Panel discussion and live audience Q&amp;A   Pioneering a multidisciplinary approach - All faculty</b> All Speakers	3850
18:55	<b>Summary and close</b> Bartolome R. Celli Croquer (Boston, United States)	3851

**Strauss 2****Session 379****17:30 - 19:00****Industry evening mini symposium: Boosting the Protection of At-Risk Adults: How Vaccines Help Protect Vulnerable Lungs***Organised by Sanofi***Chairs :** Alberto Papi (Cona, Ferrara, Italy), Rosario Menendez Villanueva (Valencia, Spain), Jessica Rademacher (Hannover, Germany), Mine Durusu-Tanriover (Ankara, Turkey)

17:30	<b>Welcome and introduction</b> Alberto Papi (Cona, Ferrara, Italy)	3852
17:35	<b>Identifying Risk of Respiratory Infection and Associated Disease Burden in Adult Populations</b> Alberto Papi (Cona, Ferrara, Italy)	3853
17:53	<b>Impact of Respiratory Infection on At-Risk Adults: Clinical Course and Sequelae</b> Mine Durusu-Tanriover (Ankara, Turkey)	3854
18:11	<b>Addressing Frailty &amp; Quality of Life with Chronic Lung Conditions</b> Rosario Menendez Villanueva (Valencia, Spain)	3855
18:29	<b>Age, Chronic Conditions, and Vaccination: Supporting Respiratory Protection in At-Risk Adults</b> Jessica Rademacher (Hannover, Germany)	3856
18:47	<b>Panel discussion and audience Q&amp;A - All faculty</b> All Speakers	3857

**Lehar 1****Session 380****17:30 - 19:00****Industry evening mini symposium: The Sherlock Holmes Approach to Differential Diagnosis: Exploring Unexplained ILDs***Organised by Sanofi*

17:30	<b>Welcome and introductions</b> Marlies S. Wijsenbeek (Rotterdam, Netherlands)	3858
17:35	<b>An Atypical Adventure in Bavaria</b> Jürgen Behr (Uelzen, Germany), Helmut Prosch (Wien, Austria)	3859
17:55	<b>Holmes Solves a Case of Mistaken Identity</b> Raphaël Borie (Paris, France), Helmut Prosch (Wien, Austria)	3860
18:15	<b>Holmes is Caught in a Lacy Web of Deceit</b> Marta Garcia Moyano (Barakaldo, Spain), Helmut Prosch (Wien, Austria)	3861
18:35	<b>The Adventure of the Speckled Band</b> Marlies S. Wijsenbeek (Rotterdam, Netherlands), Helmut Prosch (Wien, Austria)	3862
18:50	<b>Q&amp;A - All faculty</b> All Speakers	3863
18:55	<b>Concluding remarks</b> Marlies S. Wijsenbeek (Rotterdam, Netherlands)	3864

**Lehar 2****Session 381****17:30 - 19:00****Industry evening mini symposium: Emerging diagnostic and therapeutic concepts for inflammation in rare lung diseases***Organised by CSL Behring GmbH***Chairs :** Georg-Christian Funk (Wien, Austria), Eva Polverino (Barcelona, Spain)

17:30	<b>Welcome</b> Georg-Christian Funk (Wien, Austria)	3865
17:35	<b>Clinical aspects and diagnostic of bronchiectasis</b> Franziska Trudzinski (Heidelberg, Germany)	3866
17:45	<b>Bronchiectasis: State of the art</b> Eva Polverino (Barcelona, Spain)	3867
17:55	<b>Discussion - All faculty</b> All Speakers	3868
18:10	<b>Bronchiectasis and exacerbations in COPD</b> Marc Miravittles (Barcelona, Spain)	3869
18:20	<b>Same but different? Bronchiectasis in AATD</b> Alice Turner (Birmingham, United Kingdom)	3870
18:30	<b>Bronchiectasis and exacerbations in IPF</b> Luca Richeldi (Rome, Italy)	3871
18:40	<b>Discussion - All faculty</b> All Speakers	3872
18:55	<b>Summary</b> Eva Polverino (Barcelona, Spain)	3873

## Lehar 2

## Session 439

10:30 - 11:15

**Industry Skills Lab Workshop: From data to information to knowledge: ventilation devices in transition**

Among ease of use, reliable information and long-term monitoring of therapy becomes more important to correctly set, early intervene and individually adjust the therapy to the specific needs as well as provide the expert sufficient information on the effectiveness of therapy.

Organised by Löwenstein Medical Se & Co. Kg

**Chairs :** Matthias Schwaibold (Karlsruhe, Germany)

10:30	<b>Introduction &amp; Target</b> Benjamin Löwenstein (, Germany)	4633
10:40	<b>Telemonitoring &amp; Intervention Options in NIV. Clinical Experience from a randomized trial.</b> Georg Nilius (Dortmund, Germany)	4634
10:52	<b>Finger prints of exacerbation in ventilator data?</b> Maximilian Zimmermann (Köln, Germany)	4635
11:10	<b>Wrap up</b> Matthias Schwaibold (Karlsruhe, Germany)	

## C2

## Session 450

12:15 - 13:15

**Industry Lunchtime Symposium: Targeting IL-33 in COPD: Exploring New Frontiers for COPD Management**

Organised by Sanofi Regeneron

**Chairs :** Klaus F. Rabe (Kiel, Germany)

12:15	<b>Welcome and Introductions</b> Klaus F. Rabe (Kiel, Germany)	4709
12:20	<b>Understanding the Complex Pathophysiology of COPD</b> Klaus F. Rabe (Kiel, Germany)	4710
12:25	<b>What Do We Know About IL-33 Genetics?</b> Stephanie Christenson (San Francisco, United States)	4711
12:40	<b>Review the Role of IL-33 in COPD Pathophysiology and Its Impact on Disease Remodeling</b> Paola Rogliani (Roma (RM), Italy)	4712
12:55	<b>IL-33: A Promising Target</b> Klaus F. Rabe (Kiel, Germany)	4713
13:10	<b>Audience Q&amp;A - All faculty</b> All Speakers	4714

## C5

## Session 451

12:15 - 13:15

**Industry Lunchtime Symposium: COVID-19 Prevention: How Are Vaccination Strategies Evolving?**

Organised by Pfizer

**Chairs :** Rosario Menendez Villanueva (Valencia, Spain)

12:15	<b>Uncovering the burden of respiratory infections</b> Rosario Menendez Villanueva (Valencia, Spain)	4716
12:25	<b>Real-world evidence: Revealing the impact of COVID-19 vaccination</b> Muge Cevik (Edinburgh (Scotland), United Kingdom)	4717
12:45	<b>Navigating the evolution of SARS-CoV-2</b> Juleen Gayed (New Malden, United Kingdom)	4718
13:00	<b>Panel Q&amp;A and takeaway messages - All faculty</b> All Speakers	4719

13:05

4720

## C1 Session 452 12:15 - 13:15

### Industry Lunchtime Symposium: Prioritising patients and planet: advocating for change in respiratory care

Organised by AstraZeneca

**Chairs :** Helen Reddel (Sydney, Australia), John R Hurst (London, United Kingdom)

12:15	<b>Respiratory healthcare delivery: urgent change required</b> John R Hurst (London, United Kingdom)	4721
12:30	<b>The importance of inhaler choice to personalise and optimise treatment</b> Omar S. Usmani (London, United Kingdom)	4722
12:45	<b>Addressing the patient and societal burden of suboptimal respiratory care and its environmental impact</b> Erika Penz (Saskatoon, Canada)	4723
13:00	<b>Panel discussion, audience Q&amp;A and meeting close</b> Helen Reddel (Sydney, Australia)	4724

## C6 Session 453 12:15 - 13:15

### Industry Lunchtime Symposium: Gefapixant for the treatment of patients with refractory or unexplained chronic cough (RCC)

Organised by MSD

**Chairs :** Alyn Morice (Cottingham, United Kingdom)

12:15	<b>Welcome and introductions</b> Alyn Morice (Cottingham, United Kingdom)	4725
12:20	<b>Chronic cough overview</b> Jaclyn Smith (Manchester, United Kingdom)	4726
12:40	<b>Refractory or unexplained chronic cough: Treatment with gefapixant</b> Lorcan McGarvey (Belfast, United Kingdom)	4727
13:00	<b>Q&amp;A - All faculty</b> All Speakers	4728

## A2 Session 454 12:15 - 13:15

### Industry Lunchtime Symposium: Good lung health: the future starts now

Organised by AstraZeneca

**Chairs :** Rosa Faner Canet (Barcelona, Spain), Christine Jenkins (McMahons Point (NSW), Australia)

12:15	<b>Welcome</b> Rosa Faner Canet (Barcelona, Spain)	4729
12:20	<b>What does good lung health mean to patients living with respiratory disease?</b> Andrew Menzies-Gow (London, United Kingdom)	4730
12:32	<b>How can we intervene to improve lung health and prevent disease?</b> James Allinson (London, United Kingdom)	4731
12:44	<b>How can we ensure that good lung health is prioritised by society? The importance of national lung health strategies</b> Christine Jenkins (McMahons Point (NSW), Australia)	4732
12:56	<b>Panel discussion and audience questions - All faculty</b> All Speakers	4733
13:11	<b>Close</b> Rosa Faner Canet (Barcelona, Spain)	4734

**C3 Session 455 12:15 - 13:15****Industry Lunchtime Symposium: The Voice of the Patient With PAH: What Progress in PAH Treatment Means to the People Living with the Disease***Organised by MSD***Chairs :** Eva Otter (Vienna, Austria)

<b>12:15</b>	<b>Welcome and introductions</b> Eva Otter (Vienna, Austria)	<b>4735</b>
<b>12:25</b>	<b>Overview of the impact of PAH and need for solutions in the future; What matters most to patients?</b> Eva Otter (Vienna, Austria)	<b>4736</b>
<b>12:35</b>	<b>The value of earlier diagnosis and importance of timely access to care</b> Pisana Ferrari (Udine, Italy)	<b>4737</b>
<b>12:50</b>	<b>Clinician-patient partnership --- how the patient and physician can work together to manage PAH</b> Barbara Bujar (Kraków, Poland), Adam Torbicki (Otwock, Poland)	<b>4738</b>
<b>13:10</b>	<b>Closing remarks</b> Eva Otter (Vienna, Austria)	<b>4739</b>

**Strauss 1 Session 491 12:45 - 13:45****Industry Lunchtime Symposium: New Trial-Based Advances For Optimizing Outcomes in MAC Pulmonary Disease***Organised by Insmad*

<b>12:45</b>	<b>The Mandate for Individualized Care in Persons with NTM Lung Disease and Limited Options: Applying Risk and Severity-Directed Treatment Based on Time to Positivity (TTP), Radiographic Metrics, and Refractory Disease</b> Christoph Lange (Borstel, Germany)	<b>5377</b>
<b>12:55</b>	<b>Antimicrobial Decision-Making in MAC Lung Disease: Optimizing Treatment Outcomes and Microbial Conversion Based on Time to Culture Positivity (TTP), Systematic Microbiological Testing, and Radiologic/Bronchiectasis Severity Scores</b> Stefano Aliberti (Milano (MI), Italy)	<b>5378</b>
<b>13:10</b>	<b>Translating Results of New MAC Lung-Focused Trials Evaluating Quality-of-Life (QoL-Bronchiectasis) Improvements, TTP, and Microbial Conversion Metrics to Optimize Antimicrobial Drug Selection</b> David E. Griffith (Denver, United States)	<b>5379</b>
<b>13:25</b>	<b>Applying New Trial-Based Evidence, Guidelines, and Individualized Approaches to Real World Management for MAC Lung Disease: The Faculty Employ an Interactive Audience Response System (ARS) to Select Antimicrobial Treatment Plans and Optimize Regimen Adherence with Novel Inhaled Antimicrobial Formulations</b> Christoph Lange (Borstel, Germany)	<b>5380</b>

**Lehar 1 Session 500 14:00 - 14:45****Industry Skills Lab Workshop: Automated clinical technologies, customized for every patient – navigating clinical ventilation cases***Organised by Philips***Chairs :** Jennifer Mattingley (LaCrosse, United States)

<b>14:00</b>	Maxime Patout (Paris, France)	<b>5428</b>
<b>14:18</b>	Claudia Crimi (Catania (CT), Italy)	<b>5429</b>

**Lehar 2 Session 501 14:00 - 14:45****Industry Skills Lab Workshop: "East meets West: differential diagnosis of thoracic malignancies"***Organised by Erbe Elektromedizin GmbH***Chairs :** Felix J.F. Herth (Heidelberg, Germany), Jiayuan Sun (Shanghai, China)



<b>14:00</b>	<b>EBUS-guided mediastinal cryobiopsy (lymphoma, NGS testing) with interactive elements on Case based presentation</b> Felix J.F. Herth (Heidelberg, Germany)	<b>5430</b>
<b>14:20</b>	<b>Diagnosis for GGO-predominant pulmonary lesions with interactive elements on Case based presentation</b> Jiayuan Sun (Shanghai, China)	<b>5431</b>
<b>14:40</b>	<b>Summary and open questions</b>	<b>5432</b>

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