



ERS Online Course
Virtual academy of paediatric respiratory medicine
01-02 July 2021
08-10 July 2021

Thursday, 01 July 2021

09:00–09:15	Welcome and introduction - E. Eber, M. Gappa, F. Midulla
	Session 1 - Airway endoscopy
	Chairs: E. Eber, TBC
09:15–10:15	Rigid and flexible bronchoscopy: diagnostic and interventional - F. Midulla
10:15–10:35	Q&A - F. Midulla
10:35–10:45	<i>Break</i>
	Session 2 - Congenital malformations
	Chairs: F. Midulla, TBC
10:45–11:30	Airway and vascular malformations - E. Eber
11:30–11:40	<i>Break</i>
11:40–12:20	Parenchymal lung malformations - E. Eber
12:20–12:40	Q&A - E. Eber
12:40–13:40	<i>Lunch</i>
13:40–14:10	Case based discussion on congenital malformations (cases submitted by participants) - E. Eber
14:10–14:30	<i>Break</i>



Session 3 - Lung function testing

Chairs: M. Gappa, N. Regamey, TBC

14:30–14:45	Inflammatory markers - N. Regamey
14:45–15:15	Static and dynamic lung volumes and their measurement - N. Regamey
15:15–15:30	Q&A - N. Regamey
15:30–15:40	<i>Break</i>
15:40–16:00	Reversibility testing and bronchial provocation - M. Gappa
16:00–16:20	Multiple breath washout techniques - M. Gappa
16:20–16:35	Q&A - M. Gappa
16:35–16:45	<i>Break</i>
16:45–17:15	Case based discussion on lung function testing (cases submitted by participants) - M. Gappa, N. Regamey



Friday, 02 July 2021

Session 4 – Acute and chronic respiratory infections

Chairs: M.W.H. Pijnenburg, TBC

- 09:00–09:20 Protracted bacterial bronchitis - E. Eber
- 09:20–10:00 Pneumonia in children, pleural infection, necrotising pneumonia and lung abscess - M. Pijnenburg
- 10:00–10:20 Q&A – E. Eber, M. Pijnenburg
- 10:20–10:30 *Break*
- 10:30–11:00 Case based discussion on acute and chronic respiratory infections without TB (cases submitted by participants) - E. Eber, M.W.H. Pijnenburg
- 11:00–11:15 *Break*

Session 5 - Imaging and sleep medicine

Chairs: A. Hadchouel-Duvergé, TBC

- 11:15–11:30 Lung ultrasound - M. Beer
- 11:30–12:00 Advantages and disadvantages of imaging techniques - M. Beer
- 12:00–12:15 Q&A - M. Beer
- 12:15–13:15 *Lunch break*
- 13:15–13:45 Assessment of sleep disordered breathing - R. Hamutcu Ersu
- 13:45–14:15 Chronic respiratory failure and noninvasive ventilation - R. Hamutcu Ersu
- 14:15–14:30 Q&A - R. Hamutcu Ersu
- 14:30–15:00 *Break*

Session 6: Workshops - Round 1

- 15:00–16:00 Lung function testing - M. Gappa, N. Regamey
Endoscopy - E. Eber, F. Midulla
Imaging - M. Beer
Polysomnography - R. Hamutcu Ersu
- 16:00–16:15 *Break*



16:15–17:15

Workshops - Round 2

Lung function testing - M. Gappa, N. Regamey

Endoscopy - E. Eber, F. Midulla

Imaging - M. Beer

Polysomnography - R. Hamutcu Ersu



Thursday, 08 July 2021

Session 7 - Bronchial asthma and wheezing disorders

Chairs: F. Midulla, M.W.H. Pijnenburg, TBC

09:00–09:25 Acute viral bronchiolitis - F. Midulla

09:25–09:35 Q&A - F. Midulla

09:35–09:45 *Break*

09:45–10:30 Acute asthma and treatment of asthma in pre-schoolers and school children - M. Pijnenburg

10:30–10:40 Q&A - M. Pijnenburg

10:40–11:00 *Break*

Session 8 - Rare disorders

Chairs: E. Eber, TBC

11:00–11:30 Bronchopulmonary dysplasia and chronic lung disease of prematurity - A. Hadchouel-Duvergé

11:30–11:40 Q&A - A. Hadchouel-Duvergé

11:40–12:05 Surfactant dysfunction and alveolar proteinosis - A. Hadchouel-Duvergé

12:05–12:15 Q&A - A. Hadchouel-Duvergé

12:15–13:15 *Lunch break*

Chairs: R. Hamutcu Ersu, TBC

13:15–13:50 Interstitial lung diseases (and systemic disorders with lung involvement – online module) - A. Hadchouel-Duvergé

13:50–14:00 Q&A - A. Hadchouel-Duvergé

14:00–14:10 *Break*

14:10–14:40 Case based discussion on rare disorders (cases submitted by participants) - A. Hadchouel-Duvergé

14:40–15:00 *Break*



- 15:00–16:00 **Session 9: Workshops - Round 3**
Lung function testing - M. Gappa, N. Regamey
Endoscopy - E. Eber, F. Midulla
Imaging - M. Beer
Polysomnography - R. Hamutcu Ersu
- 16:00–16:15 *Break*
- 16:15–17:15 **Workshops - Round 4**
Lung function testing - M. Gappa, N. Regamey
Endoscopy - E. Eber, F. Midulla
Imaging - M. Beer
Polysomnography - R. Hamutcu Ersu



Friday, 09 July 2021

Session 10 - Cystic fibrosis and non-CF bronchiectasis

Chairs: F. Midulla, N. Regamey

- 09:00–09:30 Primary ciliary dyskinesia and non-CF bronchiectasis - F. Midulla
09:30–09:40 Q&A - F. Midulla
- 09:40–09:50 *Break*
- 09:50–10:20 Genetics, pathophysiology and diagnosis of CF - N. Regamey
10:20–10:50 CF lung disease and lung transplantation - N. Regamey
10:50–11:10 Q&A - N. Regamey
- 11:10–11:25 *Break*
- 11:25–11:55 Extrapulmonary CF - N. Regamey
11:55–12:05 Q&A - N. Regamey
- 12:05–13:05 *Lunch break*
- 13:05–13:35 Case based discussion on cystic fibrosis (cases submitted by participants)
- F. Midulla
- 13:35–13:50 *Break*

Session 11 - Tuberculosis

Chairs: M. Gappa, F. Maurer, TBC

- 13:50–14:20 Basics in diagnosis and treatment - M. Gappa
14:20–14:30 Q&A - M. Gappa
- 14:30–14:40 *Break*
- 14:40–15:10 Multi-drug-resistant tuberculosis - F. Maurer
15:10–15:20 Q&A - F. Maurer
- 15:20–15:30 *Break*
- 15:30–16:00 Case based discussion on tuberculosis (cases submitted by participants)
16:00–17:00 Faculty on fire - challenge the experts with your questions – All faculty



ERS Online Course
**HERMES self-assessment course in paediatric
respiratory medicine**

10 July 2021
25 August 2021

Additional registration required.

Special fee for Virtual academy participants: €75

Simulated HERMES examination

The mock examination will be available online throughout the duration of the virtual academy until the the feedback and discussion session on 10 July 2021.

Saturday, 10 July 2021

09:00 – 11:00 Feedback and discussion of examination questions - TBC

Wednesday, 25 August 2021

16:00–17:00 Q&A online session – TBC