

ERS Skills Course in Interventional Bronchoscopy

ERS assembly/group :

14/01

Organising committee

Title	Surname	First name	City	Country	Email
Prof.	Herth	Felix	Heidelberg	Germany	Felix.Herth@med.uni-heidelberg.de
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Invited international Faculty

Title	Surname	First name	City	Country	Email
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	Klooster	Karin	Groningen	Netherlands	k.klooster@umcg.nl
Prof.	Gompelmann	Daniela	Vienna	Austria	daniela.gompelmann@meduniwien.ac.at
Prof.	Munavvar	Mohammed	Preston	UK	mmunavvar55@gmail.com

Local faculty

Prof. Franziska Trudzinski, email : Franziska.Trudzinski@med.uni-heidelberg.de

Dr. Judith Brock, email : judith.brock@med.uni-heidelberg.de

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Dr. Markus Scheiner, email : Markus.Scheiner@med.uni-heidelberg.de

Venue

`Thoraxklinik`

Roentgenstrasse 1

69126, Heidelberg

Germany

Dates:

25.11.-27.11. 2025

Lead course organiser

Name: **Konstantina Kontogianni**

Proposed Programme and speakers				
Day 1. Tuesday 25 November 2025				
Time	Min		Format	Faculty member
08:30-09:00	30'	Course registration		
09:00-09:05	5'	Welcome and introduction		Organising committee
09:05-09:30	25'	Introductory lecture	Lecture	F. Herth
Session 1		Lung volume reduction and Interactive Case-based session ELVR		
09:30-09:50	20'	Lung Volume Reduction with Valves, Coils, Aeri-Seal, BTVA etc.	Lecture	K. Klooster
09:50-10:10	20'	Interventional treatment of chronic bronchitis and asthma	Lecture	K. Kontogianni
10:10-10:30	20'	Update Surgical Lung Volume Reduction	Lecture	F. Eichhorn
10:30-10:50	20'	Emphysema Board	Interactive Cases	K. Klooster K. Kontogianni F. Eichhorn
10:50-11:00	10'	Q&A		All Faculty
11:00-11:30	30'	Coffee/Tea Break		
Session 2		The peripheral node and Interactive Case-based session lung cancer		
11:30-11:50	20'	Best approach to peripheral nodule diagnostics and treatment from radiologist perspective; Photon counting CT, SBRT	Lecture	C.P. Heussel
11:50-12:10	20'	Peripheral nodule diagnostic from bronchoscopists' perspective, navigation	Lecture	J. Brock
12:10-12:30	20'	Robots in bronchoscopy	Lecture	F. Herth
12:30-12:50	20'	Peripheral nodule treatment from bronchoscopists' perspective, Microwaves, RFA, Vapor ablation, etc.	Lecture	E. van der Heijden
12:50-13:10	20'	Best approach to peripheral nodule diagnostics and treatment from surgeons' perspective	Lecture	L. Klotz
13:10-13:30	20'	Tumour Board	Interactive Cases	C.P. Heussel J. Brock F. Herth E. van der Heijden L. Klotz
13:30-13:40	10'	Q&A		All Faculty
13:40-14:40	60'	Lunch Break		

Session 3		Central lesions and Lymph nodes		
Time	Min		Format	Faculty member
14:40-15:00	20'	Stent Placement in the airways Malignant and benign disease	Lecture	A. Bugalho
15:00 - 15:20	20'	Debulking and Recanalization `hot and cold` techniques	Lecture	M. Munavvar
15:20 - 15:40	20'	Update linear EUS(B) technique, performance, complications	Lecture	J. Annema
15:40 - 16:00	20'	EBUS Cryo-biopsy of the Lymph nodes Why and when	Lecture	V. Poletti
16:00 - 16:10	10'	Q&A		All Faculty
16:10-16:30	20'	Coffee/Tea Break		
16:30-17:15	45'	Workshop 1 (a and b) a. Airway Stents b. Augmented Reality in supporting successful inhalation therapy Supervised hands-on experience with airway stent implantation and insights in augmented reality of inhalers	Workshop	Van der Heijden and local Faculty
17:15-18:00	45'	Workshop 2 – Lung Volume Reduction Supervised hands-on experience with ELVR modalities on lung models	Workshop	K. Klooster and local Faculty

End of day 1

Day 2. Wednesday 26 November 2025				
Session 4		Live cases and patient handling		
Time	Min		Format	Faculty member
08:45-09:30	45'	Live demo 1	Live case	F. Herth/ A. Bugalho
		Pre procedure		E. Gaitzsch
		Procedure		F. Herth/ A. Bugalho
		Discussion and feedback		K. Kontogianni
09:30-09:50	20'	Preparation of the patient	Lecture	J. Brock
09:50-10:30	40'	Live demo 2	Live case	K. Kontogianni/ J. Annema
		Pre procedure		E. Gaitzsch
		Procedure		K. Kontogianni/ J. Annema
		Discussion and feedback		J. Brock
10:30-10:50	20'	Sedation and Ventilation during IP procedures	Lecture	M. Scheiner
10:50-11:30	40'	Coffee/Tea Break		

Session 5		ILD, more IP Updates and Live cases		
11:30-11:50	20'	LTx Follow-Up and post-transplantation complications	Lecture	D. Gompelmann
11:50-12:10	20'	Update BAL	Lecture	F. Trudzinski
12:10-12:30	20'	Invasive procedures for patients with ILD, cryobiopsy	Lecture	V. Poletti
12:30-12:50	20'	Update radial EBUS	Lecture	J. Annema
12:50-13:10	20'	ROSE and Histopathology in IP	Lecture	V. Poletti
13:10-13:20	10'	Q&A		All Faculty
13:20-14:20	60'	Lunch Break		
14:20-15:00	40'	Live Demo 3		F. Herth / V. Poletti
		Pre procedure		E. Gaitzsch
		Procedure		F. Herth / V. Poletti
		Discussion and feedback		K. Kontogianni

Session 7		<i>IP Techniques and instruments</i>		
15:00-15:20	20'	Management of TEF and BPF	Lecture	Van der Heijden
15:20-15:40	20'	Involvement of central airways in various systemic diseases, EDAC und TBM	Lecture	M. Munavvar
15:40-16:00	20'	Single use bronchoscopes	Lecture	K. Kontogianni
16:00-16:20	20'	Building up an endoscopy service	Lecture	A. Bugalho
16:20-16:30	10'	Q&A		All Faculty

End of day 2

Day 3. Thursday 27 November 2028				
Session 8		More tools, emergencies and IP future		
Time	Min		Format	Faculty member
08:45-09:10	25'	Bronchoscopic emergencies	Lecture	M. Munavvar
09:10-09:30	20'	The role of nCLE und pCLE in IP	Lecture	D. Gompelmann
09:30-09:50	20'	Innovations in interventional pulmonology- pushing boundaries	Lecture	F. Herth
09:50-10:00	10'	Q&A		All Faculty
10:00-10:30	30'	Coffee/Tea Break		
10:30-11:15	45'	Workshop 3- E(B)US and radial EBUS handling (Scope and processor knobology + needle handling, elastography). Supervised hands-on experience on EBUS-TBNA on models. Acquaintance with different needle types	Workshop	J. Annema and Local Faculty
11:15-12:00	45'	Workshop 4- Flexible and rigid Bronchoscopy, Single-Use bronchoscopes Supervised hands-on experience with flexible and rigid bronchoscopy on lung models. Single use Bronchoscopes	Workshop	A. Bugalho and Local Faculty
12:00-12:30	30'	Light Lunch Break		
12:30-13:15	45'	Workshop 5- APC and bleeding management Supervised hands-on experience with APC on pig lung model	Workshop	D. Gompelmann and Local Faculty
13:15-14:00	45'	Workshop 6 Cryo-Biopsy and Cryo-TBNA Supervised hands-on experience with the Cryo-probe on pig lung model	Workshop	V. Poletti and Local Faculty

14:00 Closing remarks – End of the course