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<L:\Education\External courses\2017\Training programme\EBUS\Part 1\Programme>

Please note that this is a provisional programme and may be subject to change

ERS Training programme

Endobronchial ultrasound - Part 1

Onsite programme

Day 1 – Thoraxklinik Heidelberg - Tuesday, 11 March 2025

	Min		Format	Faculty member
08:30-09:00	30'	Course registration		K. Heiler
09:00-09:05	5'	Welcome and introduction		Organising committee
09:05-09:30	25'	Introductory lecture	Lecture	K. Kontogianni
Session 1		Interactive cases	Chairs	K. Kontogianni L. Konge
09:30-09:45	15'	Case1 – Nodal staging of lung cancer	Case example	J. Brock
09:45-10:00	15'	Case 2 – Reading PET-CT	Case example	C. Heussel
10:00-10:15	15'	Case 3 – Diagnosing lung tumour- linear EBUS	Case example	L. Crombag
10:15-10:30	15'	Case 4 – Diagnosing lung tumour-radial E(B)US	Case example	P. Bonta
10:30-11:00	30'	Coffee/Tea Break		

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Session 2		Technique and performance	Chairs	P. Bonta J. Brock
11:00-11:20	20'	EBUS anatomy	Lecture	K. Kontogianni
11:20-11:40	20'	EBUS technique and performance, including advanced sampling of mediastinum (histology needles, miniforceps biopsy)	Lecture	L. Crombag
11:40-12:00	20'	EBUS cryonodal biopsy	Lecture	K. Kontogianni
12:00-12:20	20'	EUS-B technique and performance	Lecture	P. Bonta
12:20-12:40		EUS-B training and simulation	Lecture	L. Konge
12:40-13:30	50'	Lunch Break		
Session 3		Workshops 13:30 – 17:00		
	45'	Workshop 1 – EBUS/ EUS-B. Cases discussions/ practice – everything you always wanted to ask	Workshop	P. Bonta and L. Crombag
	45'	Workshop 2 – Cytopathology. Specimen handling and microscopy of TBNA/ FNA aspirates will be discussed. Test your skills interactively at the multi-head microscope.	Workshop	M. Schellenberg
	30'	Coffee/Tea Break		

	45'	Workshop 3 Equipment handling (Scope and processor knobology + needle handling) Small team-based simulations of the TBNA technique will be performed on models. Acquaintance with different needle types Cryonodal biopsy	Workshop	K. Kontogianni and S. Dittrich
	45'	Workshop 4 Simulation All participants will get supervised hands-on experience with virtual-reality simulators for practising EBUS	Workshop	L. Konge and J. Brock
17:00		Concluding remarks - Course organisers		
19:00-late		<i>Drinks and course dinner for faculty and participants in old town of Heidelberg</i>		

Day 2 - Thoraxklinik Heidelberg - Wednesday, 12 March 2025

	Min		Format	Faculty member
Session 4 Live demos and patient handling				
08:30-08:45		Coffee/Tea Break		
08:45-09:30	45'	Live demo 1 EBUS PRE-PROCEDURE scans + endoscopy plan	Chairs	L. Crombag and S. Dittrich
		PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	Heidelberg team
		POST-PROCEDURE evaluation + feedback	Chairs	L. Crombag and S. Dittrich
09:30-10:00	30'	Preparation of the patient	Lecture	J. Brock
10:00-10:30	30'	Coffee/Tea Break		
10:30-11:15	45'	Live demo 2 EBUS PRE-PROCEDURE scans + endoscopy plan	Chairs	P. Bonta and S. Dittrich

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		PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	Heidelberg team
		POST-PROCEDURE evaluation + feedback	Chairs	P. Bonta and S. Dittrich
11:15-11:35	20'	Sedation for endosonography	Lecture	M. Scheiner
11:35-11:55	20'	Radial EBUS and peripheral lesions	Lecture	P. Bonta
11:55- 12:15	20'	E(B)US for granulomatous diseases/ lymphoma	Lecture	L. Crombag
12:15-13:15	60'	Lunch Break		
Session 5				
Live demo/ complications assessment and the next steps				
13:15-14:00	45'	Live demo 3 EBUS and EUS-B PRE-PROCEDURE scans + endoscopy plan	Chairs	P. Bonta and S. Dittrich
		PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	Heidelberg team
		POST-PROCEDURE. evaluation + feedback	Chairs	P. Bonta and

				S. Dittrich
14:00-14:20	20'	EBUS and EUS-B complications	Lecture	K. Kontogianni
14:20-14:40	20'	Setting up a successful EBUS service	Lecture	J. Brock
14.40-15:00	20'	Next steps in training programme & overview of Part 2 & Part 3	Lecture	L. Konge
15:00-15:30	30'	Quiz/ Question and answer session	Discussion	All faculty
		End of official programme		
15:30-16:30	60'	Drinks and bites <i>Interaction between faculty, participants and sponsors</i>	Informal get together	Participants and Faculty