

**ERS**EUROPEAN
RESPIRATORY
SOCIETY**Amsterdam UMC**
University Medical Centers**ERS Training programme
Endobronchial ultrasound - Part 1**

Day 1 – Amsterdam UMC - AMC, October 15, 2019

08:30-09:00	Course registration		
09:00-09:05	Welcome and introduction		Organising committee
09:05-09:30	Lightening lecture	Lecture	J. Annema
Session 1	Interactive cases Chairs: L. Konge, F. Herth		
09:30-09:45	Case1 – Reading PET-CT	Case example	J. Adam
09:45-10:00	Case 2 – Nodal staging of Lung Cancer	Case example	L. Crombag
10:00-10:15	Case 3 - Diagnosing lung tumors	Case example	J. Kuijvenhoven
10:15-10:30	Case 4 – Sarcoidosis	Case example	K. Kalverda
10:30-11:00	<i>Coffee break</i>		
Session 2	Technique and performance Chairs: J. Annema/ L. Konge		
11:00-11:30	EBUS technique and performance	Lecture	M. Schuhmann
11:30-12:00	EUS (B) technique and performance	Lecture	P. Clementsen
12:00-12:30	EBUS (B) training and simulation	Lecture	L. Konge
12:30-13:30	<i>Lunch</i>		
13.30-17.00	Hands-on training		
	Workshop 1 – EBUS/ EUS-B. Cases discussions/ practice – everything you always wanted to ask	Workshop	J.T. Annema / M. Schuhmann
	Workshop 2 – Cytopathology. Specimen handling and microscopy of TBNA/ FAN aspires will be discussed .Test your own skill at the multi head microscope in an interactive manner.	Workshop	Cytopathology team AMC
	<i>Tea break</i>		
	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	Workshop	P. Bonta / P. Clementsen
	Workshop 4 Simulation All participants will get supervised hands-on experience with virtual-reality simulators for practising EBUS	Workshop	L. Konge/ AMC team
17:00	End day 1		
19.00-22.00	Drinks and Course dinner for Faculty, participants and sponsors Location TBD		

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Day 2 - Amsterdam UMC - AMC, October 16, 2019

Session 4	Live demo + patient handling		
08:30-08:45	Coffee/ tea		
08:45-09:30	Live demo 1 EBUS/ EUS-B PRE-PROCEDURE scans + endoscopy plan	Chairs	TBD/ P. Bonta
	PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	Faculty
	POST-PROCEDURE evaluation + feedback	Chairs	TBD/ P. Bonta
09:30-10:00	Preparation of the patient	Lecture	P. Clementsen
10:00-10:30	<i>Coffee break</i>		
10:30-11:15	Live demo 2 EBUS PRE-PROCEDURE scans + endoscopy plan	Chairs	J. Annema/ L. Konge
	PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	Faculty
	POST-PROCEDURE evaluation + feedback	Chairs	J. Annema/ L. Konge
11:15-11:45	Sedation for endosonography	Lecture	S. Eberl
11:45-12:15	Specimen handling	Lecture	TBD
12:15-13:15	<i>Lunch</i>		
Session 5	Live demo/ indication- complication assessment		
13:15-14:00	Live demo 3 EBUS/ EUS-B PRE-PROCEDURE scans + endoscopy plan	Chairs	F. Herth/ J. Annema
	PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	Faculty
	POST-PROCEDURE. evaluation + feedback	Chairs	J. Annema/ M. Schuhmann
14:00-14:20	E(B)US Complications	Lecture	M. Schuhmann
14:20-14:40	Setting up an successful E(B)US service	Lecture	M. Schuhmann
14:40-15:00	Next steps in training programme & overview of Part 2 & Part 3	Lecture	L. Konge/ P. Clementsen
15:00-15:30	Question and answer session	Discussion	Faculty
15:30-15:45	Quiz		
15:45-16:30	<i>Drinks and bites Interaction between faculty, participants and sponsors</i>	Informal get together	Participants and Faculty