

**ERS Training programme
Endobronchial ultrasound - Part 1**

Day 1 – Amsterdam UMC, O2 venue, Tuesday 27 June 2023

08:30-09:00	Course registration; Coffee/ tea		
09:00-09:10	Welcome and introduction		Organising committee
09:10 -09:30	Lightening lecture	Lecture	J. Annema
Session 1	Interactive cases Chairs: K. Kontogianni/ J. Daniels		
09:30-09:45	Case1 – Reading PET-CT	Case example	G. Stratakos
09:45-10:00	Case 2 – Nodal staging of Lung Cancer	Case example	L. Crombag
10:00-10:15	Case 3 - Diagnosing lung tumors –radial EBUS	Case example	P. Bonta
10:15-10:30	Case 4 -Diagnosing lung tumors linear E(B)US	Case example	J. Kuijvenhoven
10:30-11:00	<i>Coffee break</i>		
Session 2	Technique and performance Chairs: L. Konge/ J. Annema		
11:00-11:20	EBUS anatomy	Lecture	J. Daniels
11:20-11.40	EBUS technique, needles, cryo, performance	Lecture	K. Kontogianni
11:40-12.00	EUS (B) technique, needles, performance	Lecture	G. Stratakos
12.00- 12.20	EBUS (B) training and simulation	Lecture	L. Konge
12:30-13:30	<i>Lunch</i>		
13.30-17.00	Hands-on training		
	Workshop 1 – Equipment handling I EBUS Scope and processor knobology + needle handling. Small team-based practice on models with EBUS scopes and needles	Workshop	Faculty
	Workshop 2 – Cytopathology. Specimen handling and microscopy of TBNA/ FNA aspirates will be discussed .Test your own skill	Workshop	G. Stratakos
	<i>Tea break</i>		
	Workshop 3 Equipment handling II EBUS Scope and processor knobology + needle handling. Small team-based practice on models with EBUS scopes and needles.	Workshop	Faculty
	Workshop 4 EBUS Simulation All participants will get supervised hands-on experience with virtual-reality simulators for practising EBUS	Workshop	L. Konge
	Workshop 5 All you ever wanted to ask Challenging cases, team based endosonographic case planning		
17:00	End of day 1		
19.00-22.00	Drinks and Course dinner for Faculty, participants and sponsors in historical Amsterdam		

Day 2 – Amsterdam UMC – O2 venue, Wednesday 28 June 2023

08:30-09:00	Course registration; Coffee/ tea		
09:00-09:45	Live demo 1 EBUS/ EUS-B PRE-PROCEDURE scans + endoscopy plan	Chairs	K. Kontogianni / P. Bonta
	PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	J. Annema/ G. Stratakos
	POST-PROCEDURE evaluation + feedback	Chairs	K. Kontogianni / P. Bonta
09:45-10:15	Preparation of the patient	Lecture	L.Crombag
10:15-10:45	<i>Coffee break</i>		
10:45-11:30	Live demo 2 EBUS/ EUS-B 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	L. Crombag/ K. Konstantina
	POST-PROCEDURE evaluation + feedback	Chairs	J. Annema / L. Konge
11:30-12:00	Setting up an successful E(B)US service	Lecture	K. Kontogianni
12:00-12:30	Next steps in training programme & overview of Part 2 & Part 3	Lecture	L. Konge / P. Clementsen
12:30-13:30	<i>Lunch</i>		
Session 5	Live demo/ indication- complication assessment		
13:30-14:15	Live demo 3 Radial EBUS + EBUS PRE-PROCEDURE scans + endoscopy plan	Chairs	G. Stratakos K. Kontogianni
	PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo	P. Bonta/ H. Daniels
	POST-PROCEDURE. evaluation + feedback	Chairs	G. Stratakos K. Kontogianni
14:15-14:35	Sedation for Endosonography	Lecture	B. van Loo
14:35-14:55	E(B)US for granulamateous diseases/ lymphoma	Lecture	G. Stratakos
15:55-15:15	E(B)US Complications	Lecture	P. Bonta
15:15-15:45	Wrap up and Question and answer session	Discussion	All faculty
15:45 -16.00	Quiz		P. Bonta
16:00	End of official programme		
16.00-17:00	<i>Drinks and bites Interaction between faculty, participants and sponsors</i>	Informal get together	Participants and Faculty

Faculty

Prof. dr. Jouke Annema (organiser), Amsterdam, The Netherlands

Dr. Peter Bonta

Dr. Laurence Crombag

Dr. Hans Daniels

Dr. Jolanda Kuijvenhoven

Dr. Kirsten Kalverda

Prof. dr. G. Stratakos, Athens, Greece

Dr. Konstantina, Kontogianni, Heidelberg

Prof. Dr. Felix Herth, Heidelberg

Prof. Lars Konge, Copenhagen

Dr. Paul Clementsen, Copenhagen