

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

Day 1 – Amsterdam UMC, O2 venue, Tuesday June 25, 2024

08:30-09:00	Course registration; Coffee/ tea		
09:00-09:10	Welcome and introduction		Organising committee
09:10 -09:30	<b>Lightening lecture</b>	Lecture	J. Annema
<b>Session 1</b>	<b>Interactive cases</b>	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>		
<b>Session 2</b>	<b>Technique and performance</b>	<i>Chairs</i>	<i>L. Konge/ J. Annema</i>
11:00-11:20	EBUS anatomy	Lecture	J. Daniels
11:20-11.40	EBUS technique, needles, cryo	Lecture	K. Kontogianni
11:40-12.00	EUS (B) technique, needles, performance	Lecture	P. Bonta
12.00- 12.20	EBUS (B) training and simulation	Lecture	L. Konge
12:30-13:30	<i>Lunch</i>		
<b>Session 3</b> 13.30-17.00	<b>Hands-on training</b>		
	<b>Workshop 1 – Equipment handling I</b> EBUS Scope and processor knobology + needle handling. Small team-based practice on models with EBUS scopes and needles	Workshop	Faculty
	<b>Workshop 2 – Cytopathology.</b> Specimen handling and microscopy of TBNA/ FNA aspirates will be discussed .Test your own skill	Workshop	G. Stratakos
	<i>Tea break</i>		
	<b>Workshop 3 Equipment handling II</b> EBUS Scope and processor knobology + needle handling. Small team-based practice on models with EBUS scopes and needles.	Workshop	Faculty
	<b>Workshop 4 EBUS Simulation</b> All participants will get supervised hands-on experience with virtual-reality simulators for practising EBUS	Workshop	L. Konge
	<b>Workshop 5 All you ever wanted to ask</b> Challenging cases, team based endosonographic case planning	Workshop	Faculty
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 June 26, 2024

08:30-09:00	Course registration; Coffee/ tea		
<b>Session 4</b>	<b>Live demo's and setting up a service</b>		
09:00-09:45	<b>Live demo 1</b> <b>PRE-PROCEDURE</b> scans + endoscopy plan	Chairs	K. Kontogianni / P. Bonta
	<b>PROCEDURE: EBUS + EUS-B</b>  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
	<b>POST-PROCEDURE</b> evaluation + feedback	Chairs	K. Kontogianni / P. Bonta
09:45-10:15	<b>Preparation of the patient</b>	Lecture	L. Crombag
10:15-10:45	<i>Coffee break</i>		
10:45-11:30	<b>Live demo 2</b> <b>PRE-PROCEDURE</b> scans + endoscopy plan	Chairs	J. Annema / L. Konge
	<b>PROCEDURE: EBUS/ EUS-B</b>	Live demo	L. Crombag/ K. Konstantina
	<b>POST-PROCEDURE</b> evaluation + feedback	Chairs	J. Annema / L. Konge
11:30-12:00	<b>Setting up an successful E(B)US service</b>	Lecture	K. Kontogianni
12:00-12:30	<b>Next steps in training programme &amp; overview of Part 2 &amp; Part 3</b>	Lecture	L. Konge
12:30-13:30	<i>Lunch</i>		
<b>Session 5</b>	<b>Live demo's Sedation + complication</b>		
13:30-14:15	<b>Live demo 3</b> <b>PRE-PROCEDURE</b> scans + endoscopy plan	Chairs	G. Stratakos/ K. Kontogianni
	<b>PROCEDURE: Radial EBUS + EBUS</b>	Live demo	P. Bonta/ H. Daniels
	<b>POST-PROCEDURE.</b> evaluation + feedback	Chairs	G. Stratakos K. Kontogianni
14:15-14:35	<b>Sedation for Endosonography</b>	Lecture	B. van Loo
14:35-14:55	<b>E(B)US for granulamateous diseases/ lymphoma</b>	Lecture	G. Stratakos
15:55-15:15	<b>E(B)US Complications</b>	Lecture	P. Bonta
15:15-15:45	Wrap up and Question and answer session	Discussion	All faculty
15:45 -16.00	Quiz		P. Bonta/ J. Kuijvenhoven
16: 00	End of official programme		
16.00-17:00	<i>Drinks and bites</i> <i>Interaction between faculty, participants and sponsors</i>	Informal get together	Participants and Faculty

**Faculty:** Prof. dr. Jouke Annema (organiser), Dr. Peter Bonta, Dr. Laurence Crombag, Dr. Hans Daniels, Dr. Jolanda Kuijvenhoven, Dr Marjolijn Heuvelmans (Amsterdam, Netherlands), Prof. dr. G. Stratakos (Athens, Greece), Dr. Konstantina, Kontogianni (Heidelberg), Prof. Lars Konge (Copenhagen).