

ERS Training programme
Endobronchial ultrasound - Part 1
Online modules

Module number	Module	Faculty member	Syllabus item
1	Lymph node map		1
2	Mapping in the airways		2
3	Positron emission tomography – computed tomography (PET-CT)		3
4	Indication assessment		4
5	Planning of the procedure & preparation of the patient and monitoring		5, 6
6	EBUS		11
7	EUS-B		12
8	Complications		15

Please allow approximately 20-30 minutes to complete each module.

Please note that the online modules should be completed before attending the course in Amsterdam. The modules will be available on the [Learning Resources website](#) 4 weeks prior to the course taking place.

ERS Training programme
Endobronchial ultrasound - Part 1
Onsite programme

Day 1 – AMC Amsterdam, May 13, 2020

	Min		Format	Faculty member	Syllabus item
08:30-09:00	30'	Course registration		EPGS	
09:00-09:05	5'	Welcome and introduction		Organising committee	
09:05-09:30	25'	Lightening lecture	Lecture		1, 2, 3, 4, 5, 6
Session 1		Interactive cases			
		Chairs:	Voting pads		
09:30-09:45	15'	Case1 – Reading PET-CT	Case example		4, 12 <i>incl. 1-6</i>
09:45-10:00	15'	Case 2 – Nodal staging of Lung Cancer	Case example		4, 13 <i>incl. 1-6</i>
10:00-10:15	15'	Case 3 - Diagnosing lung tumors	Case example		4, 12 <i>incl. 1-6</i>
10:15-10:30	15'	Case 4 – Sarcoidosis	Case example		4, 12 <i>incl. 1-6</i>
10:30-11:00	30'	<i>Coffee break</i>			
Session 2		Technique and performance			
		Chairs:			
11:00-11:30	30'	EBUS technique and performance	Lecture		4, 6, 11, 12
11:30-12:00	30'	EUS (B) technique and performance	Lecture		11, 13, 14, 15
12:00-12:30	30'	EBUS (B) training and simulation	Lecture		12
12:30-13:30	60'	<i>Lunch</i>			

View for more information www.ersnet.org/ebus

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

Session 3 Workshops 13:30 – 17:00					
The participants will be divided into groups of 10 and will rotate the four workshops. Each workshop is repeated four times.					
	45'	Workshop 1 – EBUS/ EUS-B. Cases discussions/ practice – everything you always wanted to ask	Workshop		11 incl. Aspects of 1-15
	45'	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		14, 16, 17
	30'	<i>Tea break</i>			
	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	Workshop		9, 10, 11
	45'	Workshop 4 Simulation All participants will get supervised hands-on experience with virtual-reality simulators for practising EBUS	Workshop		12
17:00		Concluding remarks - Course organisers			
19:00-22:00		Drinks and Course dinner for Faculty, participants and sponsors in downtown Amsterdam			

Day 2 - AMC Amsterdam, May 14, 2020

Session 4	Min	Live demo + patient handling	Format	Faculty member	Syllabus item
08:30-08:45		Coffee/ tea			
08:45-09:30	45'	Live demo 1 EBUS/ EUS-B PRE-PROCEDURE scans + endoscopy plan	Chairs		1, 2, 3, 4, 5, 6
		PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo		7, 8, 9, 10, 11, 13, 14, 15
		POST-PROCEDURE evaluation + feedback	Chairs		16, 17
09:30-10:00	30'	Preparation of the patient	Lecture		
10:00-10:30	30'	Coffee break			
10:30-11:15	45'	Live demo 2 EBUS PRE-PROCEDURE scans + endoscopy plan	Chairs		1, 2, 3, 4, 5, 6
		PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo		7, 8, 9, 10, 11, 13, 14, 15
		POST-PROCEDURE evaluation + feedback	Chairs		16, 17
11:15-11:45	30'	Sedation for endosonography	Lecture		
11:45-12:15	30'	Specimen handling	Lecture		14

View for more information www.ersnet.org/ebus

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

12:15-13:15	60'	<i>Lunch</i>			
Session 5		Live demo/ indication- complication assesment			
13:15-14:00	45'	Live demo 3 EBUS/ EUS-B PRE-PROCEDURE scans + endoscopy plan	Chairs		1, 2, 3, 4, 5, 6
		PROCEDURE Including: Sedation used, interpretation of the endoscopic ultrasound, scope and processor knobology, needle handling, EBUS procedure and specimen handling.	Live demo		7, 8, 9, 10, 12, 13, 14
		POST-PROCEDURE. evaluation + feedback	Chairs		16, 17
14:00-14:20	20'	E(B)US Complications	Lecture		
14:20-14:40	20'	Setting up an successful E(B)US service	Lecture		15
14.40-15:00	20'	Next steps in training programme & overview of Part 2 & Part 3	Lecture		
15:00-15:30	30'	Question and answer session	Discussion		
		End of official programme			
15:30-16:30	60'	<i>Drinks and bites</i> <i>Interaction between faculty, participants and sponsors</i>	Informal get together		