

FUSIC assessment

Lung Ultrasound

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Summary of requirements

Please also refer to the syllabus in the 'Training details' document

Assessments for each module consist of 4 parts:

- Competencies
- Logbook cases
- Triggered Assessment
- Summary training record

Each need the relevant signatures from mentors / supervisor

Only the summary training record should be sent to the ICS

Competency Assessment Lung Ultrasound

	Name	GMC no	Job Title
Trainee			
Mentor			
Supervisor			

Competence	Mentor signature
Checking patient's details/entry into machine as appropriate	
Confirmation of indication and check any supportive imaging	
Positioning of patient and machine ergonomically	
Selection of appropriate probe and optimisation of machine settings at each examination point	
Performs scan with probe placed at upper, lower and postero-lateral points bilaterally with probe orientated longitudinally (cephalad-caudad)	
Identification of subcutaneous tissue, ribs and pleura	
Identification of pleural sliding in 2D and M mode	
Recognition of signs of pneumothorax (2D and M mode) including lung point sign	
Demonstration of lung pulse	
Identification of A lines and B lines	
Identification of normal diaphragm, liver and spleen	
Identification of consolidation / atelectasis	
Identification of interstitial syndrome	
Identification of pleural effusion	
Differentiation of pleural thickening and pleural effusion (including sinusoid sign)	
Differentiation of pleural effusion from sub-diaphragmatic fluid	
Description of appearances of transudate and exudate	
Demonstration of how volume of effusion may be estimated	
Use of ultrasound to identify appropriate site for drainage of effusion	
Demonstration of ultrasound guided thoracocentesis (doctors only)	
Performance of technique safely and effectively	
Attention to sterility with respect to procedure, patient and machine	
Adequate documentation and storage of images and scans as appropriate	
Informing patient and reporting findings where appropriate	
Identification of whether a further scan or alternative imaging is indicated	
Cleaning of equipment and storage to minimise damage	

Lung Ultrasound Logbook Reporting Form

Training report only - not to influence clinical decision making without expert review

Patient details		Operator	
Indication			
Image quality	Good	Acceptable	Poor

Findings									
Probe position	Lung sliding		B lines (>2)		Consolidation		Pleural effusion		Other (enter text)
Right upper anterior	yes	no	yes	no	yes	no	yes	no	
Right lower anterior	yes	no	yes	no	yes	no	yes	no	
Right Posterolateral	yes	no	yes	no	yes	no	yes	no	
Left upper anterior	yes	no	yes	no	yes	no	yes	no	
Left lower anterior	yes	no	yes	no	yes	no	yes	no	
Left posterolateral	yes	no	yes	no	yes	no	yes	no	
Other comments (eg size of effusion)									
Conclusion, clinical significance, suggested actions, referral required?									
Signed (trainee)	Signed (mentor)	Mentor comments							

Training report only - not to influence clinical decision making without expert review



Lung Ultrasound Training Logbook

At least 30 scans with 10 directly observed. Max 10 normals (*print additional copies of this form as required*)

Study no.	Date	Diagnosis	Summary of US findings	Mentor (signature)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Study no.	Date	Diagnosis	Summary of US findings	Assessor (signature)
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Triggered Assessment in Lung Ultrasound (Supervisor)

In each of the following 3 sections the learner must achieve	Assessors comments	Competent?	
		Yes	No
1. Preparation			
Demonstration of appropriate attitude and professional manner		Tick	Tick
Explanation of procedure to patient as appropriate		Tick	Tick
Checking patient's details/entry into machine as appropriate		Tick	Tick
Confirmation of indication and check any supportive imaging		Tick	Tick
Positioning of patient and machine ergonomically		Tick	Tick
2. The Scan			
Selection of appropriate probe(s) and optimisation of settings		Tick	Tick
Places probe at upper, lower and postero-lateral points bilaterally in a longitudinal (cephalad/caudad) plane		Tick	Tick
Performs a systematic examination		Tick	Tick
Identification of subcutaneous tissue, ribs and pleura		Tick	Tick
Identification of pleural sliding in 2D and M mode		Tick	Tick
Identification of A lines, B lines, diaphragm, liver and spleen		Tick	Tick
Identifies any abnormalities and pathology correctly		Tick	Tick
3. Post scan			
Adequate documentation and storage of images as appropriate		Tick	Tick
Informing patient and reporting findings where appropriate		Tick	Tick
Identification whether need for further scan or alternative imaging		Tick	Tick
Cleaning of equipment and storage to minimise damage		Tick	Tick
Overall performance, recording and interpretation of scan		Tick	Tick



Summary Training Record Lung Ultrasound

*Only this should be submitted to the ICS for accreditation
Mentors and supervisors must be FUSIC lung approved*

	Name	Hospital	GMC no	Job Title
Trainee				
Mentor 1				
Mentor 2				
Mentor 3				
Supervisor				

Training component	Date completed	Mentor signature
E-learning		
Approved course		
Course location:		
Competencies signed off		
Logbook & supervised cases		
Triggered assessment		

Final sign off			
Mentor name		Mentor signature	
Supervisor name		Supervisor signature	
Date of completion			