



FUSIC® Lung Assessment Pack

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FUSIC® Lung

1. Summary of requirements

Assessments for each module consist of 4 parts:

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

Each will need the relevant signatures from trainers

Only the summary training record (STR) should be submitted via the [FUSIC® portal](#)

Please refer to the FUSIC® Training Pack for further details on this process



2. Competency assessment

	Name	Professional Registration number	Job title
Trainee			
Trainer			

Competency	Trainer Signature
Inputting patient's details into the ultrasound 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	
Comments accurately on the adequacy of each view	
Demonstrates effective probe handling techniques	
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 (if in scope of practice, e.g. doctors, only)	
Performance of technique safely and effectively	



Attention to sterility with respect to procedure, patient and machine	
Attention to infection control with respect to procedure, patient and machine	
Adequate documentation and storage of images and scans as appropriate	
Informing the patient and reporting findings to clinical team, as appropriate	
Identification of whether a further scan or alternative imaging is indicated	
Cleaning of equipment and storage to minimise damage	



3. Logbook report form

Demographics (e.g. age, gender, BMI)		Operator			
Indication for Scan					
Ventilatory Support	None	IPPV	PSV/ SPONT	BIPAP	CPAP/NHF
Image Quality	Good		Acceptable		Poor

Findings										
Probe position	Lung sliding		B lines (>2)		Consolidation		Pleural effusion		Other (comment below)	
Right upper anterior	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Right lower anterior	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Right Posterolateral	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Left upper anterior	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Left lower anterior	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Left Posterolateral	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Other comments (e.g. size of effusion)										

**Summary of findings**

(to include conclusion, clinical correlation, suggested actions and a requirement for referral or further imaging.)

Trainee signature		Trainer Signature	
Trainer feedback			

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



4. Training logbook (Lung)

Study No.	Date	Diagnosis	Summary of main findings	Trainer Signature
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5. Triggered assessment

Learners must achieve	Trainer comments	Competent?	
		Yes	No
Pre Scan			
Demonstration of appropriate attitude and professional manner		Tick	Tick
Explanation of procedure to patient as appropriate		Tick	Tick
Input patient's details into the ultrasound machine as appropriate		Tick	Tick
Confirmation of indication and check any supportive imaging		Tick	Tick
Positioning of patient and machine ergonomically		Tick	Tick
The scan			
Sets up equipment acceptably		Tick	Tick
Probe selection, handling and scanning technique		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
Post Scan			
Adequate documentation and storage of images as per departmental policy		Tick	Tick
Informing patient and reporting findings where appropriate		Tick	Tick
Identification whether need for further scan or alternative imaging		Tick	Tick
Attention to infection control with respect to procedure, patient and machine		Tick	Tick
Overall performance, recording and interpretation of scan		Tick	Tick



6. Summary of training record (Lung)

	Name	Hospital	Professional Registration number	Job title
Trainee				
Trainer 1				
Trainer 2				
Trainer 3				
Trainer 4				

Training component	Date completed	Trainer Signature
E-Learning		
Approved Course		
Name of approved course:		
Competencies		
Logbook		
Triggered assessment		

Final Sign Off	
Approved FUSIC® Lung Trainer (Full Name)	
Signature	
Date of Completion	