

FUSIC assessments

Heart Ultrasound (FICE)

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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 Heart Ultrasound (FICE)

	Name	GMC no	Job Title
Trainee			
Mentor 1			
Mentor 2			

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	
Obtains optimised images at PLAX, PSAX, A4C and Subcostal windows	
Identifies anatomy in each window (chambers, walls, valves, great vessels, pericardium, lung)	
Comments accurately on adequacy of each view	
Demonstrates how, individually, sliding, tilting in long and short axes changes the views	
Identification of dilated LV (LVEDD >6cm)	
Identification of LV dysfunction - reduced wall thickening & motion (global & regional), MAPSE	
Identification of RV dysfunction (visual impression and TAPSE)	
Identification of dilated RV	
Identification of D shaped septum and paradoxical septal motion	
Identification of hyperdynamic heart	
Identifies, or able to describe, appearances of aortic dissection	
Identification of pericardial effusion	
Identification of pleural effusion	
Measures IVC accurately in 2D and M mode and identifies respiratory variation	
Performs exam in an appropriate way for the circumstances including an ALS compliant manner	
Knows when to seek expert assistance in a timely fashion	
Interprets findings with respect to cardiorespiratory support	
Correlates echo findings with clinical picture and takes appropriate action / inaction	
Attention to infection control with respect to procedure, patient and machine	
Adequate documentation and storage of images and scans as appropriate	
Informing 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	

Heart Ultrasound (FICE) Logbook Reporting Form

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

Patient details			Operator				
Indication							
Ventilation	IPPV		PSV		SPONT		
CVS drugs			HR			BP	CVP
Views	PLAX	PSAX	SC	IVC		Lungs	Other
Image quality	Good		Acceptable			Poor	

Findings	Circle or enter text (U/A = unable to comment)		
LV dilated	YES	NO	U/A
LV significantly impaired	YES	NO	U/A
RV dilated	YES	NO	U/A
RV severely impaired	YES	NO	U/A
Pericardial fluid	YES	NO	U/A
Evidence of low preload (vasodilatation/ hypovolaemia)	YES	NO	U/A
Pleural fluid	YES	NO	U/A
Other comments			
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

Heart Ultrasound (FICE) Training Logbook

At least 50 scans with 10 directly observed. Max 5 healthy volunteers (*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				
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10				
11				
12				
13				
14				
15				
16				

Study no.	Date	Diagnosis	Summary of US findings	Mentor (signature)
17				
18				
19				
20				
21				
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29				
30				
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32				
33				

Study no.	Date	Diagnosis	Summary of US findings	Mentor (signature)
34				
35				
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Triggered Assessment in Heart Ultrasound (FICE) (Supervisor)



In each of the following 3 sections the learner must achieve	Supervisor 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		Tick	Tick
Sets up equipment acceptably including ECG		Tick	Tick
Probe selection, handling and scanning technique		Tick	Tick
Acquisition of optimised images using depth, gain and focus and demonstrates all views available		Tick	Tick
Identifies pericardium and describes any effusion		Tick	Tick
Describes ventricular dimensions		Tick	Tick
Describes ventricular systolic function		Tick	Tick
Identifies IVC and assesses diameter and collapsibility		Tick	Tick
Comments on evidence for vasodilatation, hypovolaemia		Tick	Tick
3. Post scan		Tick	Tick
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 Heart Ultrasound (FICE)

Only this should be submitted to the ICS for accreditation

Mentors and supervisors must be FUSIC heart (FICE) 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			