

FUSIC® Haemodynamics Assessment Pack

(Updated January 2026)

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FUSIC® HD Training Requirements

1. Summary of requirements

Assessments for each module consist of 4 parts:

- Competencies
- Logbook cases
- Summary training record
- Final assessment (to be completed after submission and approval of the above requirements)

Each will need the relevant signatures from an approved FUSIC® HD trainer.

All assessment forms including the reporting forms of all 50 scans should be submitted via the [FUSIC® Portal](#).

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

2. Competency assessment (FUSIC® HD)

	Name	Professional Reg no	Job title
Trainee			
Trainer 1			
Trainer 2			

Competency	Trainer Signature
Selection of appropriate probe and optimisation of machine settings at each examination point	
Acquires all mandatory windows required for the FUSIC HD minimum dataset	
Performs all measurements and calculations in FUSIC HD full data set	
Identifies anatomy in each window	
Assess LV size, function and ventricular-arterial coupling using EF	
Assesses if SV / VTI is responsive to fluid, vasopressors or inotropes	
Assesses the aorta from AV to bifurcation	
Can identify, and can describe the difference between, normal and severely abnormal valves	
Can evaluate dimensionless index through the AV	
Can assess for, and describe, the features of SAM and LVOT obstruction	
Can describe the management of SAM / LVOT obstruction	
Can assess for and identify RWMA	
Can describe the differences between ischaemic and stress cardiomyopathies and the differences in management	
Can assess for raised left atrial pressure using the FUSIC HD algorithm	
Can assess the RV for impairment, pressure and volume overload, and raised pulmonary artery pressure	
Can describe the differences between RV pressure and volume overload	
Can assess for, and describe features of, tamponade	
Can perform a full VExUS assessment to assess for venous congestion	
Can describe features of venous congestion	
Can measure RRI	

Integrates FUSIC HD findings to identify the dominant haemodynamic abnormality	
Has knowledge of normal and significantly abnormal values	
Interprets findings with respect to cardiorespiratory support, loading conditions, HR etc	
Correlates findings with clinical picture and takes appropriate action / inaction	
Identification of whether a further scan or alternative imaging is indicated	
Attention to infection control with respect to procedure, patient and machine	
Adequate documentation and storage of images and scans as appropriate	
Cleaning of equipment and appropriate storage to minimise damage	

3. Training logbook (FUSIC® HD)

Study No.	Date	Diagnosis	Summary of main findings	Trainer Signature
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4. Summary of training record (FUSIC® HD)

	Name	Hospital	Professional Reg no	Job title
Trainee				
Trainer 1				
Trainer 2				
Trainer 3				
Lead Trainer				

Training component	Date completed	Mentor/Supervisor Signature
E Learning		
Approved course (optional)		
Name of approved course:		
Logbook		
Competency assessment		

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