

Vascular Access

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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 Vascular Access



	Name	GMC no	Job Title
Trainee			
Mentor 1			
Mentor 2			

Competence	Mentor signature
Demonstration of appropriate attitude and professional manner	
Explanation of procedure, risks and complications to patient as appropriate	
Selection of appropriate probe and optimisation of machine settings	
Appropriate aseptic technique including preparation of probe	
Identification of the internal jugular vein and carotid artery in transverse & longitudinal scan	
Identification of peripheral veins appropriate for PICC or midline insertion	
Identification of radial, brachial and femoral arteries	
Identification of femoral vein	
Confirmation of patency and absence of thrombus in veins by compression	
Demonstrate use of colour doppler to confirm direction of flow	
Demonstrate ability to distinguish between veins and arteries with doppler and compression	
Perform US guided cannulation in real time demonstrating ability to follow needle tip path through subcutaneous tissues into internal jugular vein	
Perform ultrasound guided cannulation in real time into peripheral vein	
Perform ultrasound guided cannulation in real time into radial or brachial artery	
Identification of full needle length and tip using in-plane technique (any vessel)	
Identification of needle tip using out-of-plane technique (any vessel)	
Identification of guide wire within vessel	
Insertion of appropriate cannula into vessel to correct length and secure (central)	
Insertion of appropriate cannula into vessel to correct length and secure (PICC or mid)	
Performance of techniques safely and effectively maintaining sterility	
Cleaning of equipment and storage to ensure sterility and prevent damage	

Vascular Access Ultrasound Logbook Reporting Form

Patient details		Operator	
Indication			
Image quality	Good	Acceptable	Poor

Procedure		Circle or enter text	
Site of insertion			
Type of line			
Artery and vein distinguished / confirmed	yes	no	
Transverse	yes	no	
Longitudinal	yes	no	
Needle tip kept in view	yes	no	
Sterility maintained	yes	no	
Comments			

Vascular Access Ultrasound Training Logbook

Requirements in table and in training document (*print additional copies of this form as required*)



Study no.	Date	Proceedure	Assessor (signature)
1		CVC (supervised)	
2		CVC (supervised)	
3		CVC (supervised)	
4		CVC	
5		CVC	
6		PICC/mid (supervised)	
7		PICC/mid	
8		PICC/mid	
9		peripheral vessel (artery or vein) (supervised)	
10		peripheral vessel (artery or vein)	
11			
12			
13			
14			
15			

Triggered Assessment in Vascular Access (Supervisor)



In each of the following 3 sections the learner must achieve	Supervisor's comments	Competent?	
		Yes	No
1. Preparation		Tick	Tick
Demonstration of appropriate attitude and professional manner		Tick	Tick
Explanation of procedure, risks and complications to patient as appropriate		Tick	Tick
Checking patient's details/entry into machine as appropriate		Tick	Tick
Confirmation of indication and check of relevant additional information (eg coagulation)		Tick	Tick
Positioning of patient and machine ergonomically		Tick	Tick
2. The Scan		Tick	Tick
Selection of appropriate probe(s) and optimisation of settings		Tick	Tick
Places probe to visualise internal jugular vein and carotid artery at suitable insertion level		Tick	Tick
Demonstrates ability to follow vein and artery from angle of jaw to clavicle		Tick	Tick
Demonstrates ability to differentiate vein from artery		Tick	Tick
Confirms absence of thrombus in vein		Tick	Tick
Demonstrates real time needle insertion visualising needle tip throughout procedure and needle tip in centre of vein		Tick	Tick
Identifies guide wire within vein		Tick	Tick
Insertion of line into vessel to correct length and secure		Tick	Tick
Demonstrates safety and sterility through procedure		Tick	Tick
3. Post scan		Tick	Tick
Adequate documentation and storage of images as appropriate		Tick	Tick
Cleaning of equipment and storage to minimise damage		Tick	Tick
Check CXR reviewed		Tick	Tick
Overall performance, recording and interpretation of scan		Tick	Tick

Summary Training Record Vascular Access



Only this should be submitted to the ICS for accreditation

Mentors and supervisors must be FUSIC vascular access approved

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

Training component	Date completed	Mentor signature
E-learning		
Competencies signed off		
Logbook & supervised cases		
Triggered assessment		

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