

## 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



	<b>Name</b>	<b>GMC no</b>	<b>Job Title</b>
Trainee			
Mentor 1			
Mentor 2			
<b>Competence</b>			<b>Mentor signature</b>
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	<i>Circle or enter text</i>	
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	Procedure	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
<b>1. Preparation</b>			
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
<b>2. The Scan</b>			
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
<b>3. Post scan</b>			
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
<b>Overall performance, recording and interpretation of scan</b>		<b>Tick</b>	<b>Tick</b>

# Summary Training Record Vascular Access



*Only this should be submitted to the ICS for accreditation*

*Mentors and supervisors must be FUSIC vascular access approved*

	<b>Name</b>	<b>Hospital</b>	<b>GMC no</b>	<b>Job Title</b>
Trainee				
Mentor 1				
Mentor 2				
Mentor 3				
Supervisor				

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

<b>Final sign off</b>			
<b>Mentor name</b>		<b>Mentor signature</b>	
<b>Supervisor name</b>		<b>Supervisor signature</b>	
<b>Date of completion</b>			