



# King's College London

## Vascular Ultrasound Course

### MODULE VII

### VASCULAR ULTRASOUND

### SUMMATIVE CLINICAL ASSESSMENT

Specialist area of Practice: *Vascular U/S*

Candidate's name: *Kiley dashwood*

Clinical placement: *MEUH*

Date: *27th Oct 21*

Assessor(s): *Denise Pongor*

PW time - longer  
register  
scale  
review of Gnet

## PRACTICAL SKILLS ASSESSMENT: CLINICAL ASPECTS

Did the student:

CONVULSED VUS  
1/1

	Patient	1	2	3	4	AVERAGE MARK
1*	Check the patient's identity?	2	2	2	2	2/2
2	Explain the ultrasound scan procedure to the patient?	2	2	2	2	2/2
3	Ensure that the patient was correctly prepared for the examination?	2	2	2	2	2/2
4	Understand the implications of the request being made (e.g. Clarify the PMH)?	2	2	2	2	2/2
5	Ensure the patient's comfort, privacy and safety prior to and during the examination?	2	2	2	2	2/2
6	Carry out the scanning technique appropriate for the examination?	2	2	2	2	2/2
7*	Where reasonably possible, demonstrate all the relevant anatomy and/or pathology in keeping with the departmental protocol?	2	2	2	2	2/2
8	Take measurements as required?	2	2	2	1	1.75/2
9	Record relevant images at appropriate times during the scan?	2	2	2	2	2/2
10	Explain to the patient the significance of the observations and measurements?	2	2	2	2	2/2
11*	Complete the examination within the allotted time in keeping with the departmental protocol?	2	2	2	2	2/2
12	Come to the correct conclusion from the observations and measurements made?	2	2	2	2	2/2
13	Formulate a written report (template with conclusion) on the scan findings?	2	2	2	2	3/3
	Total Marks					26/27

\* Mandatory points

Marks awarded at each point for each patient is averaged

### COMMENTS:

patient - good visualisation of vessels & traces  
- colour box / angle steer - minor correction  
- PRF scales for doppler - 2  
- MFA or UFA - do

## TECHNICAL ASPECTS

Did the student:

	Patient	1	2	3	4	AVERAGE MARK
1	Select the most appropriate equipment for the examination?	2	2	2	2	2 1/2
2	Prepare the transducer? (Reference cross infection)	2	2	2	2	2 1/2
3	Correctly adjust and manipulate the following controls to produce good quality diagnostic images?					
i	B mode e.g. focus, dynamic range & frequency	2	2	2	2	2 1/2
ii	PRF & depth	1	2	1	1	1 1/2
iii	Spectral Doppler e.g. angle correction, frame rate & sample volume (gate) size	1	2	1	2	1.5 1/2
iv	Colour box size	1	2	2	2	1.75 1/2
v	High pass filter	2	2	2	2	2 1/2
5	Demonstrate awareness of safety considerations (including ergonomics)?	2	2	2	2	2 1/2
6	Make accurate measurements appropriate for the examination?	2	2	2	2	2 1/2
7	Set up and use the imaging monitor correctly?	2	2	2	2	2 1/2
	Total Marks	17	17	17	17	17.25/20

Marks awarded at each point for each patient is averaged

### COMMENTS:

Patient 2 - score - gate size - too big

Patient 3 - traces - velocity measurement  
- measurement - endpoint?

Patient 4 - adjust colour scale  
- spectral doppler waveform  
not clear

## MANAGERIAL ASPECTS

Did the student:

	Patient	1	2	3	4	Average Mark
1	Correctly identify the images produced (name on monitor, etc.)?	2	2	2	2	2 / 2
2	Manage and communicate with accompanying staff or family?	2	2	2	2	2 / 2
3	Present themselves and behave in a professional manner?	2	2	2	2	2 / 2
4	Advise the patient correctly before leaving the department?	2	2	2	2	2 / 2
Total Marks						8 / 8

Overall did the student:

		YES	NO
5	Ensure the imaging system is functioning correctly (including imager, processor, and ultrasound unit)?	1	0
6	Ensure adequate gel, paper, towels, report forms etc.?	1	0
7	Check the patient appointment list, organise porters and plan the list, etc.?	1	0
8	Complete all the paperwork, collate and file images correctly?	1	0
9	Close down the equipment and room at the end of the session?	1	0
Total Marks		5 / 5	

COMMENTS:

1st was organised & ran smoothly - patient happy!



## SUMMATIVE ASSESSMENT DISCUSSION WITH ASSESSOR in the workplace

This will take place at the end of the session, and will last between 20-30 minutes. The following headings may be used to develop the discussion. Suggested mark allocations are indicated for each section.

Student evaluation of the overall management of the session

Mark given 2/2

- Problems in the session - how these were addressed.
- Reasons for a particular course of action: taking into account both department protocols and the clinical management of the patients.
- Would the student wish to change any of his or her management decisions given the same scenario to replay?

Clinical aspects

Mark given 3/3

- Understanding of the patients' medical conditions and previous tests/examinations already completed.
- Aim and objectives of the ultrasound examination in view of the patient clinical history.
- Use of scan techniques.
- Care of patients; to include preparation, explanation/communication and general well-being throughout the procedure.
- Evaluation of alternative imaging techniques.

Technical aspects

Mark given 3/3

- Evaluation of equipment used.
- Alternative or preferred choice of equipment.
- Discuss transducer design, frequency etc.
- Discuss choice of equipment settings.
- Discuss any measurements taken.
- Evaluate use of hardcopy.

Managerial aspects

Mark given 2/2

i) Medico-Legal

- Identification of patients.
- Identification of hardcopy.
- Procedures for examination requests and reporting.
- Retention and filing of records.

ii) Organisational skills

- Planning the session.
- Organising ward and out-patient requests.
- Protocols, dealing with emergencies.
- Housekeeping e.g. infection control, supplies etc.

TOTAL MARK OUT OF 10 10

Assessor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

27/10/21