



# King's College London

## Vascular Ultrasound Course

### MODULE VII

### VASCULAR ULTRASOUND

### SUMMATIVE CLINICAL ASSESSMENT

Specialist area of Practice: CAROTID | VASCULAR JEN

Candidate's name: KALEY PASHWOOD

Clinical placement: MCOH

Date: 21/1/2020

Assessor(s): DEWIL THURM

## PRACTICAL SKILLS ASSESSMENT: CLINICAL ASPECTS

Did the student:

	Patient	1	2	3	4	AVERAGE MARK
1*	<b>Check the patient's identity?</b>	✓	✓	✓	✓	2 /2
2	Explain the ultrasound scan procedure to the patient?	✓	✓	✓	✓	2 /2
3	Ensure that the patient was correctly prepared for the examination?	✓	✓	✓	✓	2 /2
4	Understand the implications of the request being made (e.g. Clarify the PMH)?	✓	✓	✓	✓	2 /2
5	Ensure the patient's comfort, privacy and safety prior to and during the examination?	✓	✓	✓	✓	2 /2
6	Carry out the scanning technique appropriate for the examination?	✓	✓	1	✓	1.75 /2
7*	<b>Where reasonably possible, demonstrate all the relevant anatomy and/or pathology in keeping with the departmental protocol?</b>	✓	✓	0	✓	1.5 /2
8	Take measurements as required?	✓	✓	1	✓	1.75 /2
9	Record relevant images at appropriate times during the scan?	✓	✓	✓	✓	2 /2
10	Explain to the patient the significance of the observations and measurements?	✓	✓	1	✓	1.75 /2
11*	<b>Complete the examination within the allotted time in keeping with the departmental protocol?</b>	✓	✓	0	✓	1.5 /2
12	Come to the correct conclusion from the observations and measurements made?	✓	✓	0	✓	1.75 /2
13	Formulate a written report (template with conclusion) on the scan findings?	✓	✓	1	✓	1.75 /3
	Total Marks					22 /27

\* Mandatory points

Marks awarded at each point for each patient is averaged

**COMMENTS:** Riley expertly assessed the carotids. The first venous vein was a difficult patient with recurrent veins, it was particularly likely was not able to see the correct conclusion.

## TECHNICAL ASPECTS

Did the student:

	Patient	1	2	3	4	AVERAGE MARK
1	Select the most appropriate equipment for the examination?	✓	✓	✓	✓	2 /2
2	Prepare the transducer? (Reference cross infection)	✓	✓	✓	✓	2 /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
ii	PRF & depth	✓	✓	✓	✓	2 /2
iii	Spectral Doppler e.g. angle correction, frame rate & sample volume (gate) size	✓	✓	✓	✓	2 /2
iv	Colour box size	✓	✓	✓	✓	2 /2
v	High pass filter	✓	✓	✓	✓	2 /2
5	Demonstrate awareness of safety considerations (including ergonomics)?	✓	✓	✓	✓	2 /2
6	Make accurate measurements appropriate for the examination?	✓	✓	✓	✓	2 /2
7	Set up and use the imaging monitor correctly?	✓	✓	✓	✓	2 /2
	Total Marks					20 /20

Marks awarded at each point for each patient is averaged

COMMENTS:

NO ISSUES

## 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	Manage and communicate with accompanying staff or family?	✓	✓	✓	✓	2 / 2
3	Present themselves and behave in a professional manner?	✓	✓	✓	✓	2 / 2
4	Advise the patient correctly before leaving the department?	✓	✓	✓	✓	2 / 2
Total Marks						/ 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:



## 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 16

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

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