

Case Parameters

This is a 5 minute ultrasound case. You will acquire 1 ultrasound image, and interpret 2 ultrasound videos. Please know that the examiner may interrupt you to move through the case in a timely manner.

Expectations for Standardized Patient Interactions

Upon entering the room, the examiner will introduce the patient. You should interact with the standardized patient as you would any patient in a clinical situation, but please:

- Wear gloves.
- Ask the patient to expose parts of their body as needed.
- Do not wipe the gel off the patient; they will remove gel themselves.
- Ask the patient to reposition themselves to facilitate image acquisition as needed.
- Adjust the bed as needed or ask the examiner.
- Do not acquire any further history in your assessment of this patient.

Expectations for Examiner Interactions

- You must verbalize your thoughts while you are performing ultrasounds.
- Once you obtain a representative image, ask the examiner to “freeze” the screen.

Expectations for Ultrasound Machine Manipulation

- You will manipulate the ultrasound probe; the examiner will operate the machine
- Ask the examiner to adjust machine settings (depth, gain, or other modes) or transducer probe selection (linear, curvilinear, or phased array) as necessary.
- Notify your examiner if you would like to make any measurements.

Patient Information

A 56 year old female with metastatic breast cancer on active chemotherapy presents with leg swelling.

Physical Exam Findings

Vital signs: T 36.8C, HR 74, BP 136/84, RR 18, O2 saturation: 96% on room air.

Physical Exam: Warm and erythematous left lower extremity, 1+ tense edema of the mid-tibia of the left lower extremity.

Task Statement

Your tasks are as follows:

- 1) Obtain and interpret an image of the left popliteal vein in transverse (short axis) to assess for pathology.
- 2) Interpret an image of a popliteal vein provided to you.