



Certifying Exam

Case Materials

ULTRASOUND

CASE SAMPLE VIDEO

Use of the case materials in this document are demonstrated [here](#).



CASE SUMMARY

Point-of-care ultrasound is an essential skill that is integrated into clinical practice. The candidate must be able to explain the ultrasound study to a standardized patient. Based on the clinical scenario that is presented, the candidate will efficiently acquire quality views while an examiner operates the ultrasound machine (i.e., knob adjustment). A successful candidate will be able to describe relevant anatomy and interpret pathologic images.

SCORING

Information on how this case will be scored can be found [here](#).



ULTRASOUND CANDIDATE TASK SHEET

ROOM #

CASE PARAMETERS

This is a 10-minute ultrasound case. During this case, you will acquire 2-3 ultrasound images and interpret 2-3 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 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 31-year-old male with a history of intravenous drug use presents with a 3-day history of fevers, right mid lateral thigh pain, swelling, and redness.

PHYSICAL EXAM FINDINGS

Vital signs: BP 96/70, HR 115, R 18, T 100.7°F (38.2°C), SpO₂ 99%

TASK STATEMENT

Your tasks are as follows:

1. Obtain an ultrasound of the right antecubital fossa for intravenous access
2. Interpret a video of the right antecubital fossa for intravenous access
3. Obtain an ultrasound of the soft tissues of the right thigh
4. Interpret an ultrasound video of soft tissues of the right thigh
5. Obtain an ultrasound of the inferior vena cava
6. Interpret an ultrasound video of the inferior vena cava