

Case Authors: Ofek Belkin, MD and Neil Wallace, MD

Grading Criteria

Patient Centered Care

- 1) Introduce yourself to the patient and wear gloves.
- 2) Inform the patient of cold gel before application.
- 3) Warn the patient of pressure when applying the probe for cardiac ultrasound.

Image Acquisition - [image modality / procedure]

- 4) Probe selection - Curvilinear probe
- 5) Depth – Able to visualize the gall bladder with 2-3cm posterior (as this will help visualize shadowing from gallstones).
- 6) Gain – Gallbladder anterior wall is bright (hyperechoic), gallbladder lumen is black (anechoic) and the posterior wall is hyperechoic (bright).
- 7) Quality – Shows the full length of gallbladder in long axis.

Image Interpretation - [image modality / procedure]

- 8) Anatomy - Appropriately identifies Liver.
- 9) Anatomy - Appropriately identifies Gallbladder.
- 10) Anatomy – Appropriately identifies muscle and soft tissue
- 11) Advanced Anatomy - Appropriately identifies posterior acoustic enhancement from gall bladder
- 12) Application - Appropriately identifies cholelithiasis with shadowing
- 13) Application – Appropriately identifies symptomatic cholelithiasis without evidence of cholecystitis
- 14) Application - Appropriately suggests PO challenge and outpatient follow up with general surgery