

Abdomen Complete

Imaging Protocol: Although only specific images are documented, the liver, pancreas, aorta, kidneys, biliary system and spleen should be scanned in detail. The following images will represent the normal Abdomen Complete ultrasound exam, but additional images may be necessary for appropriate documentation.

1. Transverse Pancreas

At least 2 images to include head, uncinate process, body and tail

2. Longitudinal Aorta

Mid w/ AP Measurement

Distal w/ AP Measurement

3. Transverse Liver

Left lobe upper

Left lobe area of LHV

Left lobe area of LPV

Right lobe upper

Right lobe level of IVC/hepatic veins

Right lobe level of MPV

4. Longitudinal Liver

Left lobe with proximal aorta

Left lobe with left portal vein

Left lobe with IVC

Right lobe with right portal vein

Right lobe / right kidney

Right lobe lateral to kidney

5. Main Portal Vein

Color image where it enters the liver to determine direction of flow

Hepatopetal- towards the liver

Hepatofugal- away from the liver

6. Longitudinal Right Kidney

Mid with & without measurement (max length)

Lateral

Medial

7. Transverse Right Kidney

Upper

Mid (include renal pelvis)

Lower

8. Gall Bladder

- Longitudinal LLD
- Transverse LLD
- Longitudinal Supine
- Transverse Supine with GB wall measurement
- *use color if GB wall appears thickened

9. Bile Ducts

- Longitudinal CHD with measurement
- Longitudinal CBD with measurement

10. Longitudinal Left Kidney

- Mid with & without measurement (max length)
- Lateral
- Medial
- Spleen/Left Kidney

11. Transverse Left Kidney

- Upper
- Mid (include renal pelvis)
- Lower

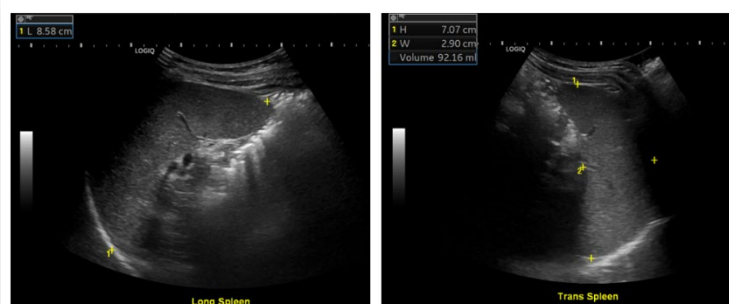
12. Longitudinal Spleen

- Max length measurement

13. Transverse Spleen

- Transverse and AP measurement

Splenic measurements:



Length: the greatest dimension in long measured through the hilum

Height: the greatest dimension in trans measured through the hilum

Abnormal Adult Splenic Volume: >314ml

Width: measured perpendicular to the height, through the hilum to the outer surface of the spleen

Scheduling & Prep:

- 40-minute time slot.
- NPO \geq 8 hours. Morning exam times preferable due to NPO status.
- Inpatient: NPO \geq 4-6 hours
- Urgent Care/Emergency Department: No Prep

Equipment:

- Ultrasound unit with a 3.5 MHz transducer.
- It may be necessary to have a unit with 2.5 or 5.0 MHz transducers.

Order & Procedure Code:

- IMG11522 US ABDOMEN COMPLETE
- IMG11522A US ABDOMEN COMPLETE WITH ELASTOGRAPHY OF LIVER (See Liver Elastography Protocol)

Approved by:

Jody Riherd MD

Kaylee Waldvogel RDMS RVT MBA