

LIVER DOPPLER:

- Prep: Patient NPO for 8 hours
- Basic Principles: Use appropriate transducer for patient body habitus. Patient position to vary based on anatomy.
- Examination should include a survey of the following:
 - Liver
 - Hepatic Vessels
 - Spleen

If variations in the anatomy or pathology are seen, additional images and measurements should be obtained over the area of interest.

- LIVER
 - Evaluate entire liver in longitudinal and transverse planes.
 - Evaluate for overall size (obtain measurement), echogenicity. (compared to right kidney), and overall echo pattern for focal and/or diffuse abnormalities.
 - Evaluate anterior surface with higher frequency for nodularity or mass.
- HEPATIC VESSELS
 - Evaluate the major vessels including the IVC, the hepatic veins, the main portal vein, the hepatic artery and the splenic vein.
 - Document hepatopedal or hepatofugal flow in vessels.
 - Document velocity of the main portal vein and hepatic artery.
- SPLEEN
 - Evaluate size
- Note any varices, ascites or recanalized umbilical vein