

GUNDERSEN/LUTHERAN ULTRASOUND DEPARTMENT POLICY AND PROCEDURE MANUAL

SUBJECT: Right Upper Quadrant Ultrasound

SECTION: Radiology Ultrasound

ORIGINATOR:

DATE: September 12, 2013

APPROVED BY:

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- Transverse Pancreas – two images to include head, uncinate process, body, and tail.
- Long distal aorta with measurement.
- *Transverse liver with all hepatic veins: take more than one image if necessary to be sure all three hepatic veins are imaged.
- *Transverse image of the liver with the portal vein.
- *Longitudinal liver with images to include:
 - left lobe of liver with prox. aorta
 - left lobe of liver with left portal vein
 - liver with IVC labeled
 - right lobe of liver with right portal vein
 - right lobe of liver / right kidney interface
- Main portal vein with color Doppler as it enters the liver demonstrating the direction of blood flow (into or out of the liver).
- Longitudinal right kidney with maximum renal length measured.
- Gallbladder: at least three images to include long and transverse supine and long LLD.
- Color Doppler image of the gallbladder wall if the wall is thickened.
- Long CHD – one image with internal diameter measurement.
- Long CBD – one image with internal diameter measurement.

*When the indication for the exam is surveillance for HCC (hepatocellular carcinoma) a cine clip through the RT and LT lobes of the liver should be recorded. This may be performed in either transverse or longitudinal orientation – the method that provides the best documentation.

This represents the normal RUQ ultrasound. Additional images may be necessary for proper documentation.