

GUNDERSEN HEALTH SYSTEM ULTRASOUND DEPARTMENT POLICY AND PROCEDURE MANUAL

SUBJECT: Pediatric Neonatal Abdominal Sonography

SECTION: Radiology Ultrasound

ORIGINATOR: Jody Riherd, MD; Deborah L. Richert, BSVT, RDMS, RVT

REVISED DATE: February 4, 2020

APPROVED BY:

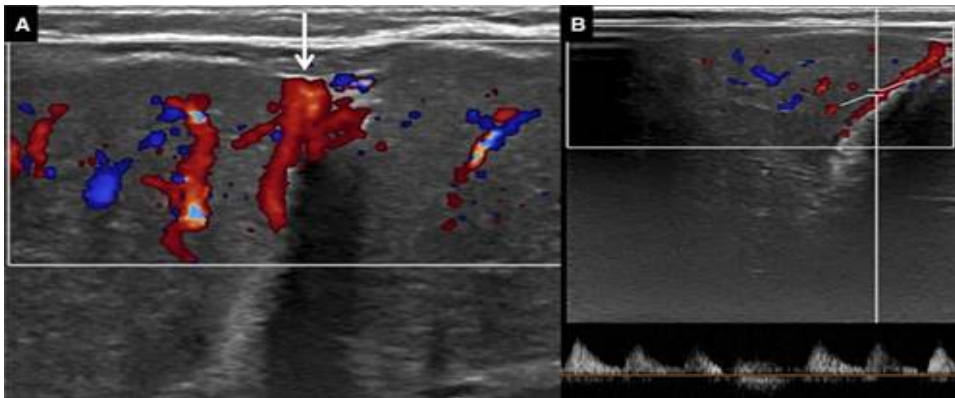
Jody Riherd MD

Dave Clayton RDMS RVT

Imaging Protocol: Please follow this imaging protocol for neonatal pediatric patients up to 9 months of age.

Obtain the standard required images for the RUQ/limited abdomen or the complete abdomen depending on which exam was ordered. In the addition to the standard images please do the following:

- 4 quadrant survey for free fluid, free air, abscess, and/or abnormal bowel loops
- Transverse cine loop of the RT side of the abdomen from the diaphragm to the pelvis and the LT side of the abdomen from the diaphragm to the pelvis (if the patient is small enough)
- Obtain additional images of any abnormality identified
- Transverse image of the SMA and SMV with and without color Doppler
- Transverse cine loop with and without color Doppler from the SMA origin following the SMA distally as it branches until you don't see the main vessel anymore
- Single image showing normal pylorus in long axis



If the indication is elevated LFTs or concern for liver pathology in the neonate (e.g. hepatitis or biliary atresia), include images using a high frequency transducer centered at the capsule with color and power Doppler. In the instance of hepatitis, we will see increased subcapsular blood flow in the liver.