

# ***GUNDERSEN HEALTH SYSTEM ULTRASOUND DEPARTMENT POLICY AND PROCEDURE MANUAL***

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SUBJECT: Pediatric Renal Sonogram  
SECTION: Radiology Ultrasound  
ORIGINATOR: UW Hospital, Madison, WI  
REVISED DATE: December 3, 2019

APPROVED BY:

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**Transducer:** 9L, 15 L, C5-9 (depending on patient size)

**Ultrasound Presets:** Renal or MSK (15L)

**Exam Protocol:** Drs. Bartosh and Gill, UW Hospital, Madison, WI, have requested that we follow their imaging protocol for pediatric renal sonograms. Follow this imaging protocol for ALL of Dr. Bartosh's patients and in patients from other providers up to age 16.

**Imaging Protocol:**

- Long lateral RT kidney
- Long mid RT kidney
- Long mid RT kidney with length measured
- Long mid RT kidney with color Doppler
- Long medial RT kidney
- Long cine clip lat to med RT kidney
- Trans upper RT kidney
- Trans mid RT kidney
- Trans mid RT kidney with color to show MRA/MRV
- Trans lower RT kidney
- Repeat this sequence for LT kidney
- Long bladder
- Trans bladder
- Trans bladder for jets with color Doppler IF the ureter is dilated or there is a concern for a stone in the ureter
- Color Doppler and measurements of any abnormalities such as hydronephrosis, cysts, and/or masses
- If patient is old enough or able to void when bladder is full, and hydro is seen have them do so and get post void pictures

