

RENAL ULTRASOUND PROTOCOL (URETRC)

PATIENT PREP: No prep. Full Bladder, **ONLY** when Post Void Residual is requested.

OTHER BILLING CODES TO BE USED AS NEEDED –
URETRL – For use when only one kidney is present
URIN- Post void residual of bladder only

****SEE SEPARATE PROTOCOL FOR NEONATAL RENAL
ULTRASOUND**

RIGHT KIDNEY:

- Sagittal image of right kidney in medial, middle, and lateral views.
- Sagittal measurement of right kidney.
- Sagittal image of right with color for perfusion.
- Transverse images of superior/mid/inferior right kidney.
- Demonstrate hydronephrosis or pelviectasis with a color image of the renal pelvis if present.

LEFT KIDNEY:

- Sagittal image of left kidney in medial, middle, and lateral views.
- Sagittal measurement of left kidney.
- Sagittal image of left kidney with color for perfusion.
- Transverse images of superior/mid/inferior left kidney.
- Demonstrate hydronephrosis or pelviectasis with a color image of the renal pelvis if present.

BLADDER:

- Urinary bladder in sagittal and transverse planes.
- If bladder stones/debris is seen, demonstrate mobility by rolling patient.
- Demonstrate ureteral jets within bladder if hydronephrosis or dilated ureter is seen. (Observe for up to 5 mins).

IF RENAL CALCULI ARE PRESENT:

- Measure renal stones in one largest dimension.
- Demonstrate acoustic shadowing if possible.
- Image with color to look for twinkle (can still be a stone if no twinkle shows).

IF HYDRONEPHROSIS, PELVIECTASIS, OR DILATED URETER PRESENT:

- Patient should void bladder and images should be taken to reassess degree of dilation with 2D and color images.

NOTES:

- Take cine clips only if there is hydronephrosis or if an abnormality is seen.
- Say “Not well seen” if structure is not well seen.
- Any masses or cysts should be measured in three dimensions and have a 2D and a color image documented.

RENAL ULTRASOUND PROTOCOL HISTORY

	Date	Changes made	By whom
Updated	02/28/18		Becky Marion
Updated	07/8/22	Format change No protocol changes made Separate Neonatal renal protocol created	Renee Betit Fitzgerald
	7/9/22	Added post void images if hydro present	Renee Betit Fitz