Tip Sheet: **USRenal** (CPT 76775)

Indication: Renal ultrasound to determine presence or absence of hydronephrosis; evaluation for oligoanuria

Probe: Abdominal/phased array

**Questions to ask yourself:**

Is there hydronephrosis?
Is there bladder distention?

**Right Kidney**
Kidney present: YES or NO
Both Poles visualized: YES or NO
Hydronephrosis: YES or NO
Hepatorenal space fluid visualized: YES or NO
Concern for Mass/Cyst: YES or NO

**Left Kidney**
Kidney present: YES or NO
Both Poles visualized: YES or NO
Hydronephrosis: YES or NO
Splenorenal space fluid visualized: YES or NO
Concern for Mass/Cyst: YES or NO

**Rectovesicle**
Foley present: YES or NO
Fluid in Bladder present: YES or NO
Fluid in rectovesicle recess: YES or NO
Concern for Mass: YES or NO

**Images you should obtain:**

KID1 – views of parenchyma of kidney for eval of hydronephrosis
KID2 – Hepatorenal space
KID3 – Splenorenal space
KID4 – Rectovesicle space

**Scanning Tips:**

**Pyramids vs hydronephrosis?** Pyramids will be just below the cortex, and kidney will still have collapsed and hyperechoic pelvis, and collecting system. Hydronephrosis should connect to a dilated renal pelvis.

**Renal cyst vs hydronephrosis?** Cysts usually located at cortex or periphery, also more well rounded and do not connect with pelvis.

**False positives:** Pregnancy or BPH can have mild dilation due to external compression of ureters.

**False negatives:** Patients who are severely dehydrated, should repeat after hydration.