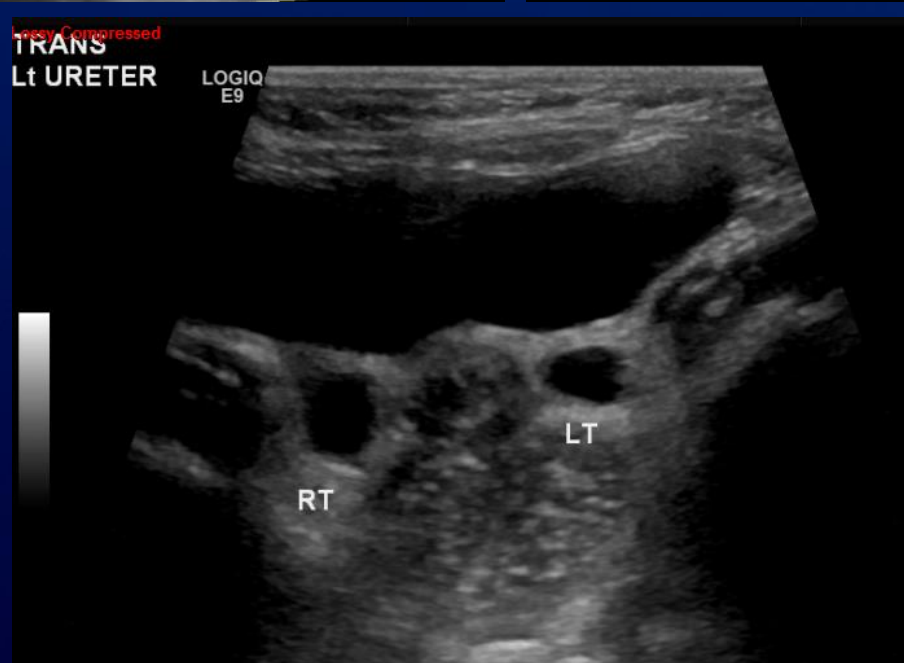
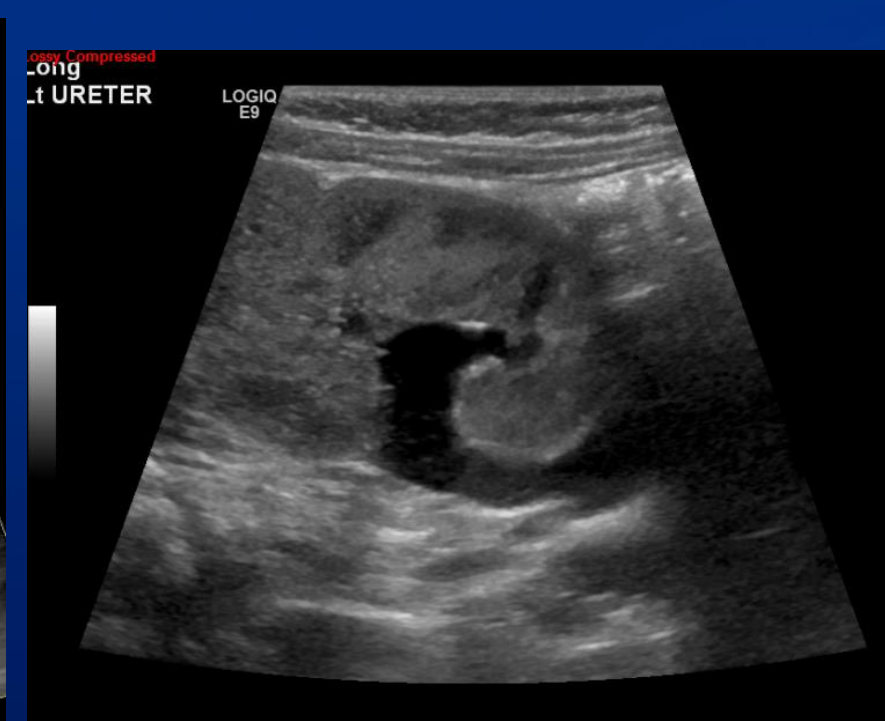
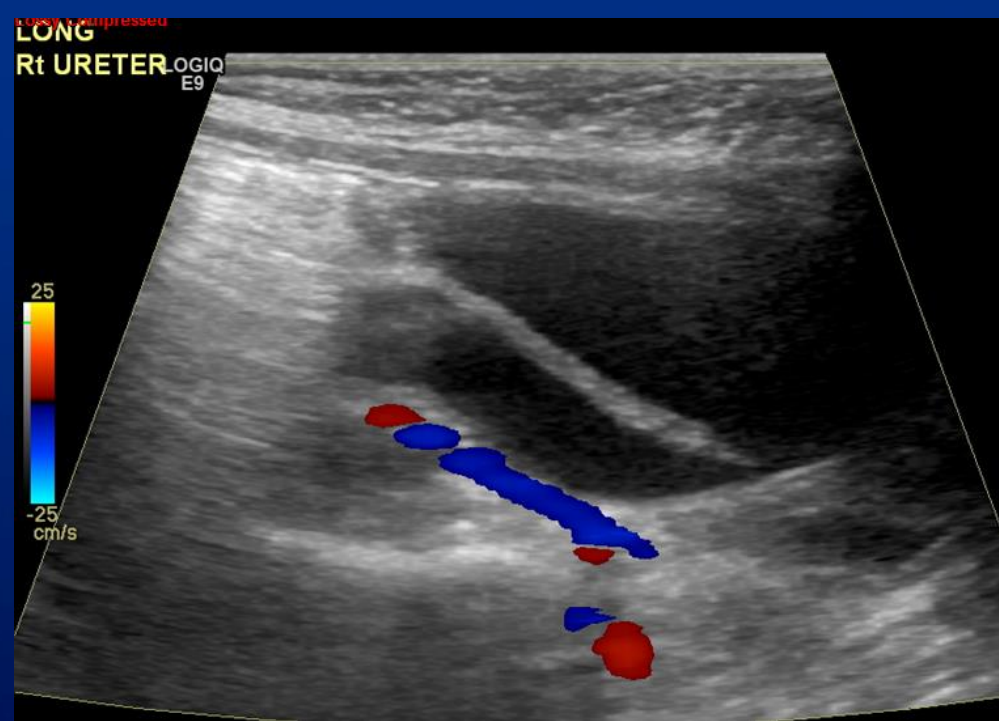


Discussion case:

- Ureters inserting ectopically at the bladder neck with high-grade reflux...

Case 1:

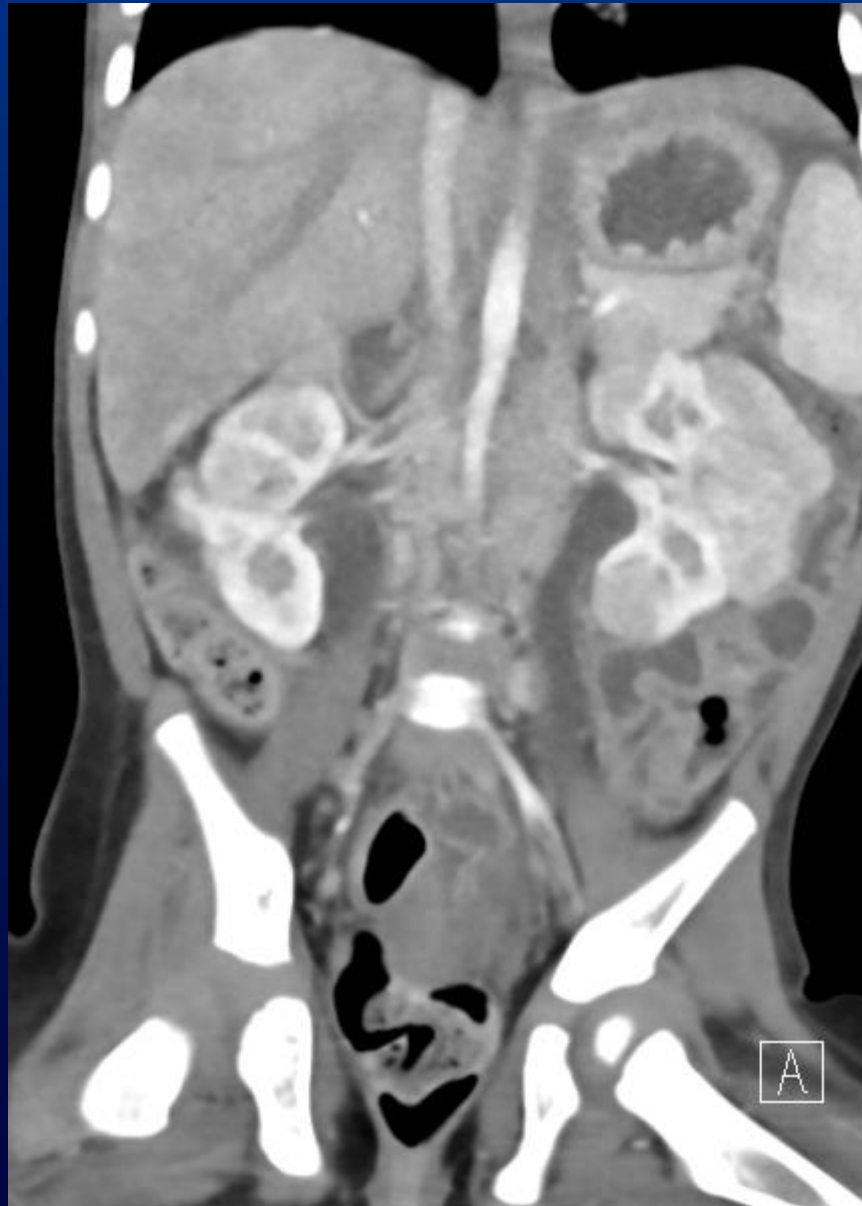
- Bilateral hydroureteronephrosis
- Normal amniotic fluid levels
- Cardiac issues, urgent postnatal surgery
- Malrotation of gut, S/p Ladd's, G-tube
- Placed on prophylactic antibiotics

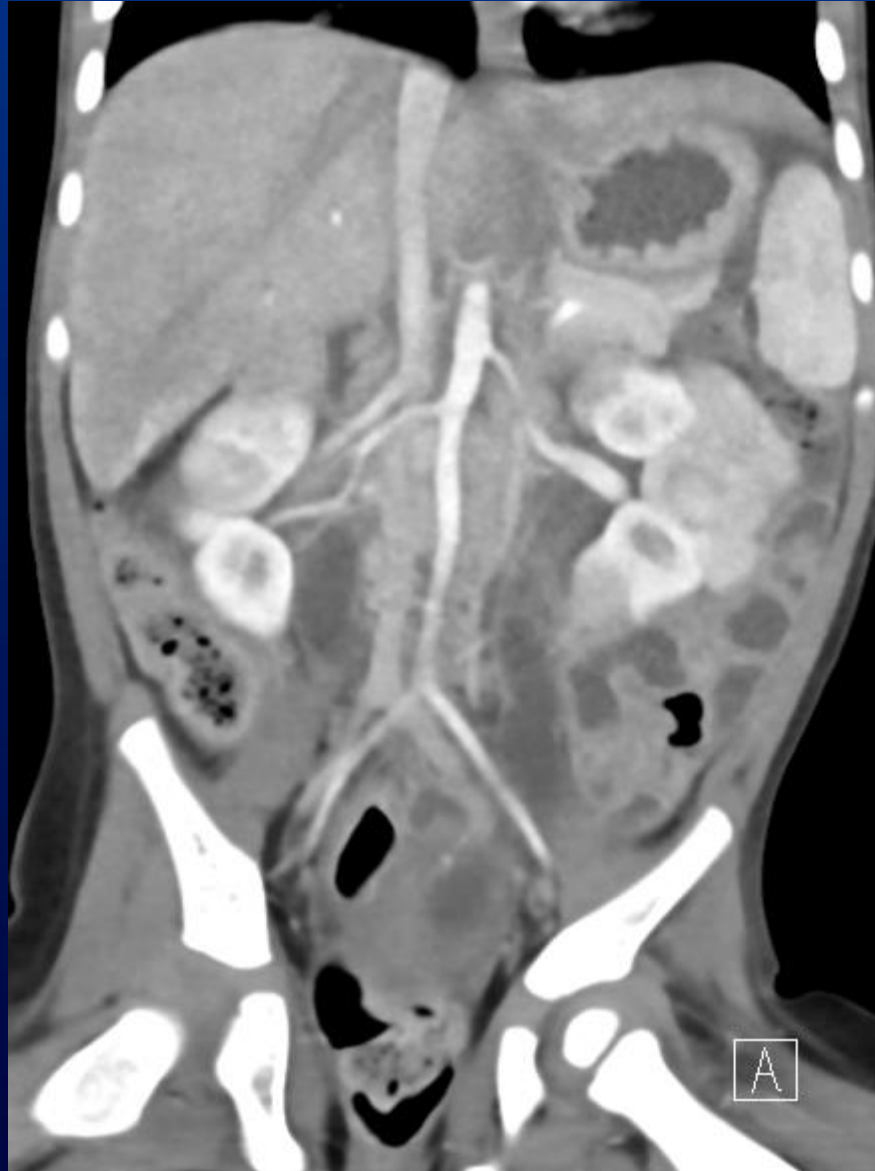


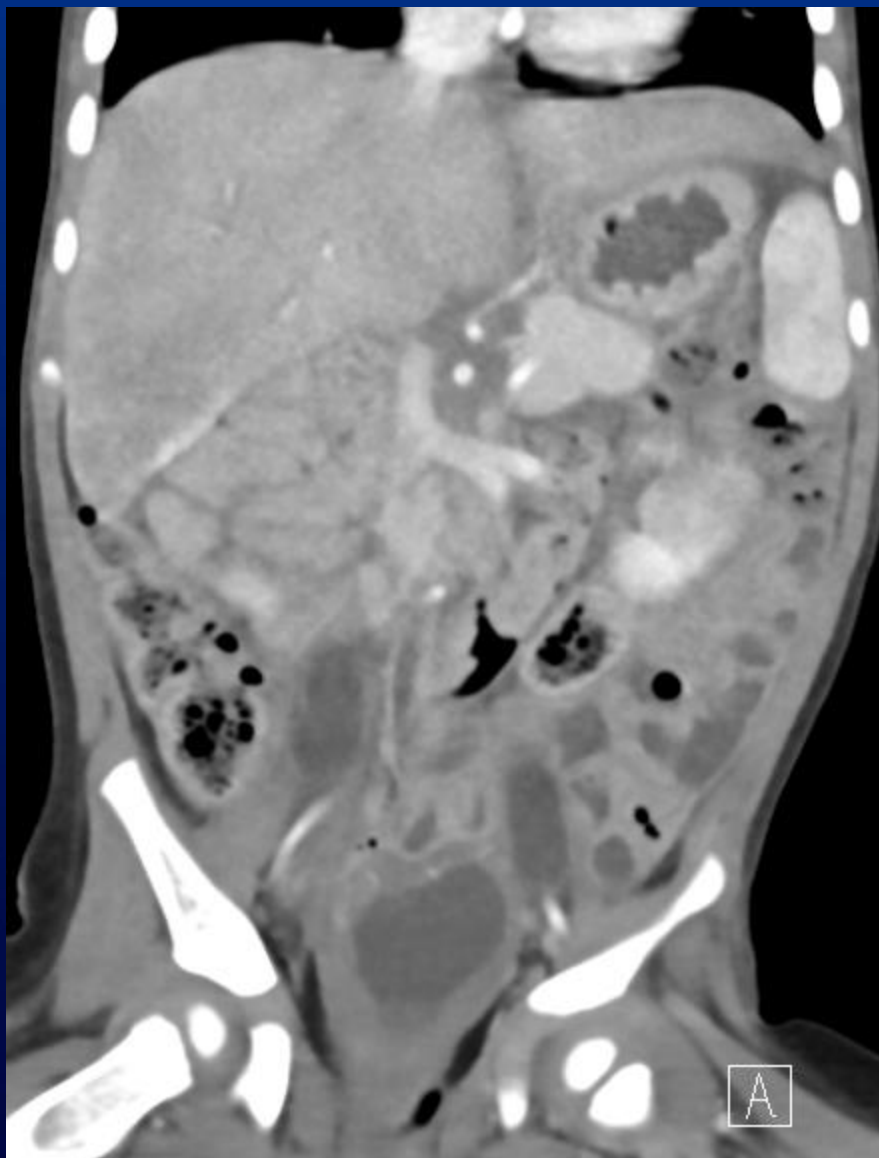


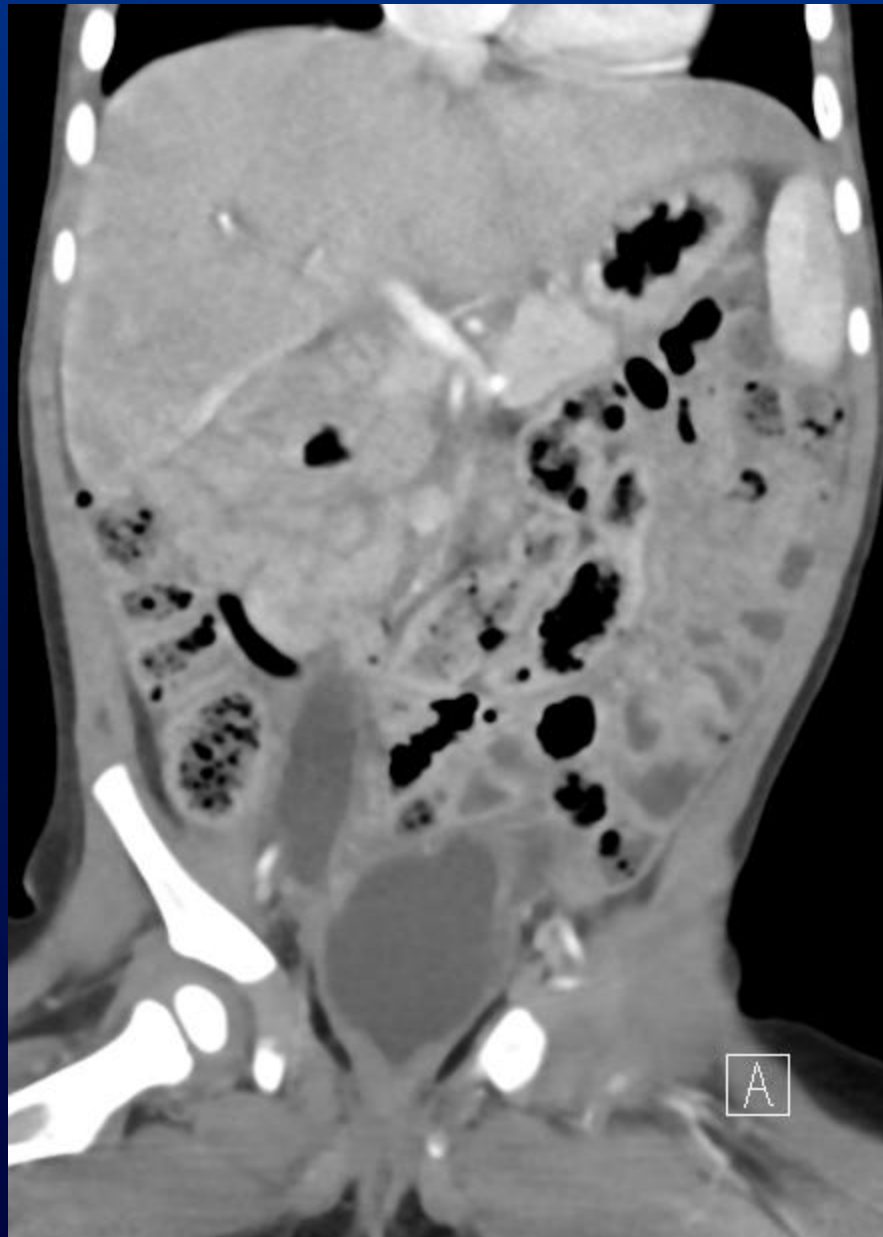
- Breakthrough urosepsis x 2







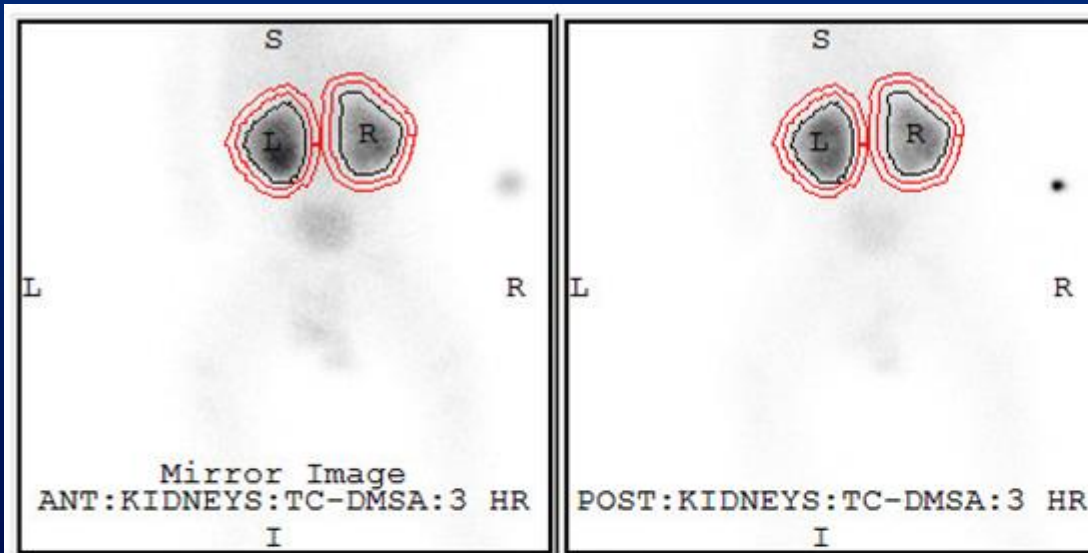




Plan?

- Cutaneous vesicostomy

Age 15 months



ANTERIOR (Bkg Corrected Counts)	POSTERIOR (Bkg Corrected Counts)	GM (Geometric Mean)
RIGHT KIDNEY:		
TOTAL = 46035	TOTAL = 57959	TOTAL = 51654
LEFT KIDNEY:		
TOTAL = 62272	TOTAL = 71638	TOTAL = 66791

% KIDNEY FUNCTION

RIGHT KIDNEY:

TOTAL = 43.6%

LEFT KIDNEY:

TOTAL = 56.4%

Time for Reconstruction?

- Severely patulous ureteral orifices at bladder neck
- “stove-pipe” ureters
- Bilateral tapered ureteroneocystostomy

- Did well post-op
- Now age 4 years
 - Difficulty with toilet training...

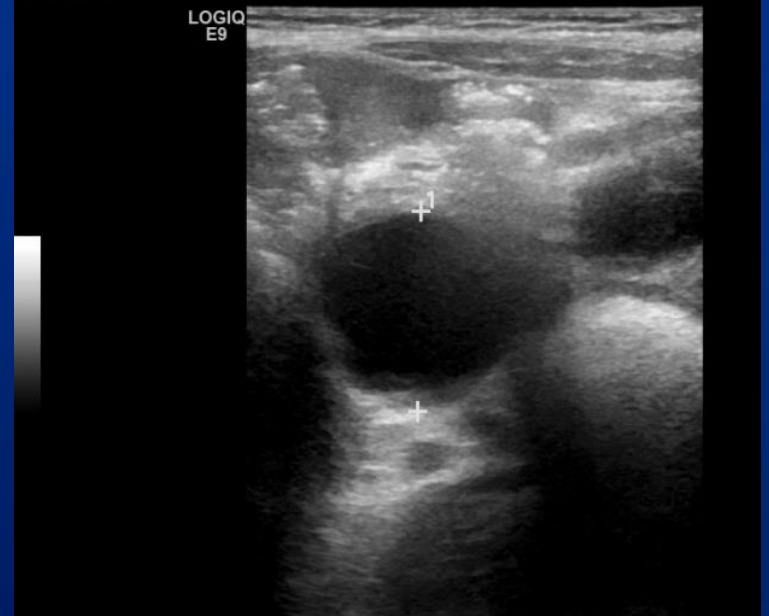
Lossy Compressed
Long
Lt Kidney
Medial

LOGIQ
E9



Lossy Compressed
RT URETER

LOGIQ
E9



Lossy Compressed
Long
Lt Kidney

LOGIQ
E9



Video urodynamics study

- Mild total fill noncompliance
- Small capacity
- Detrusor overactivity



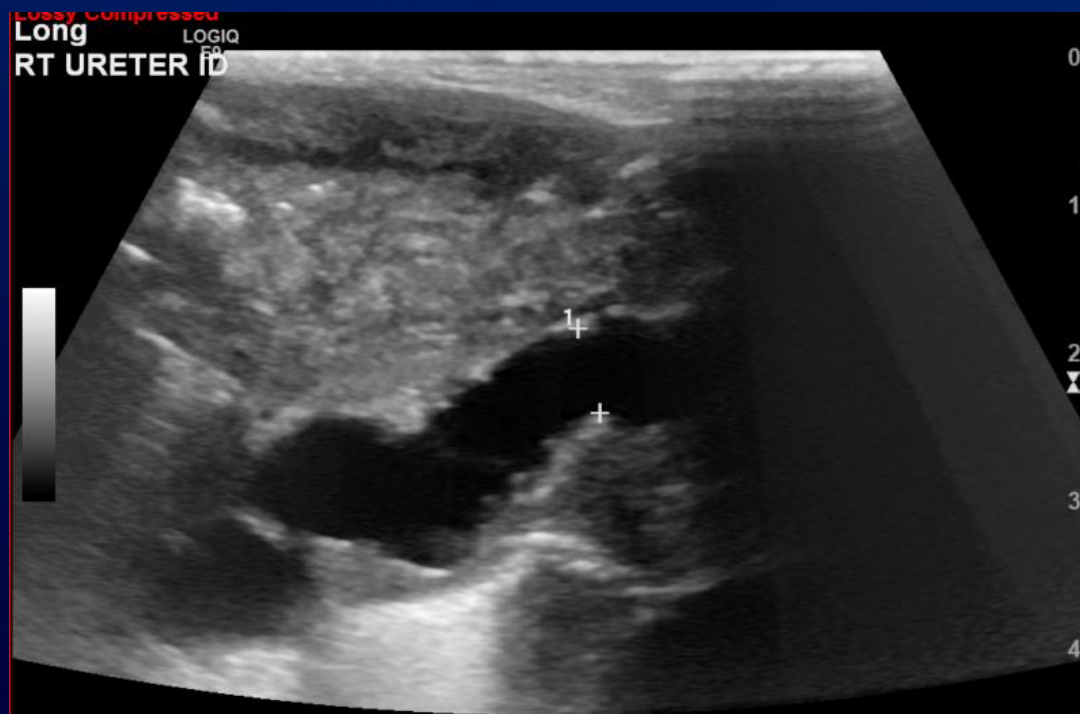
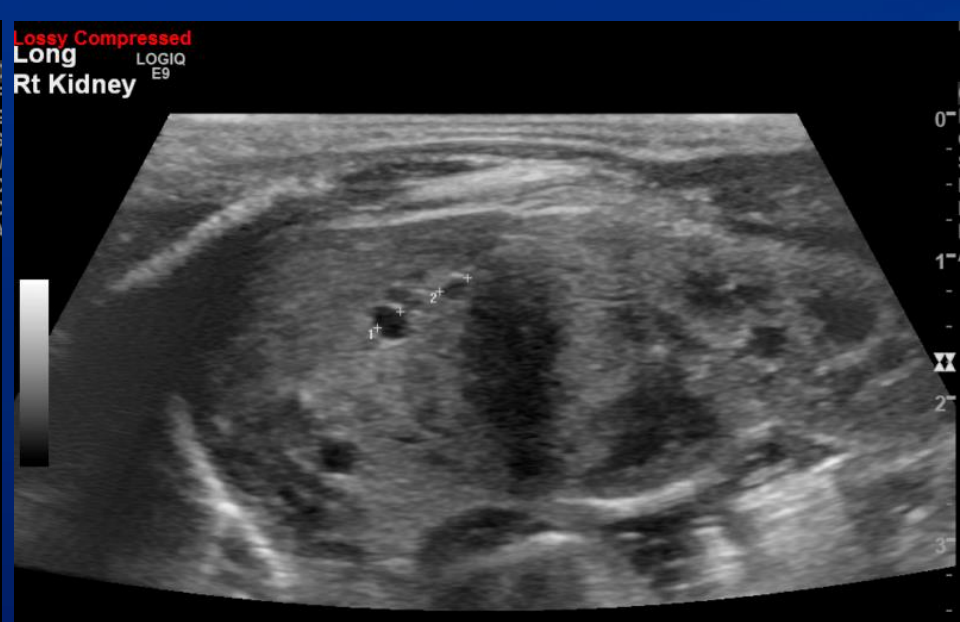
- How do you set expectations for family initially?
- How would you get her dry? When?

Discussion case:

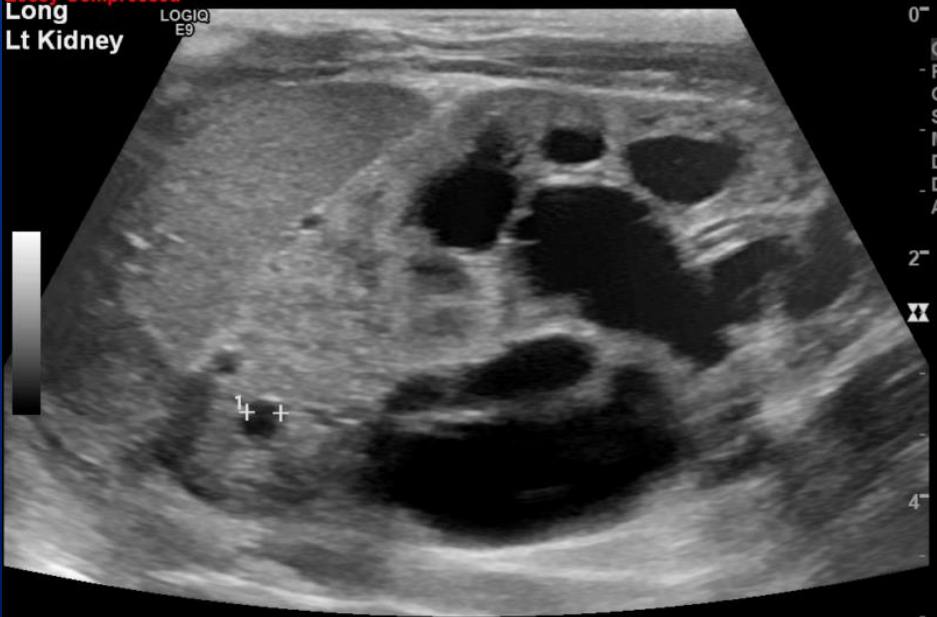
- The un-puncturable ureterocele

1 day old female

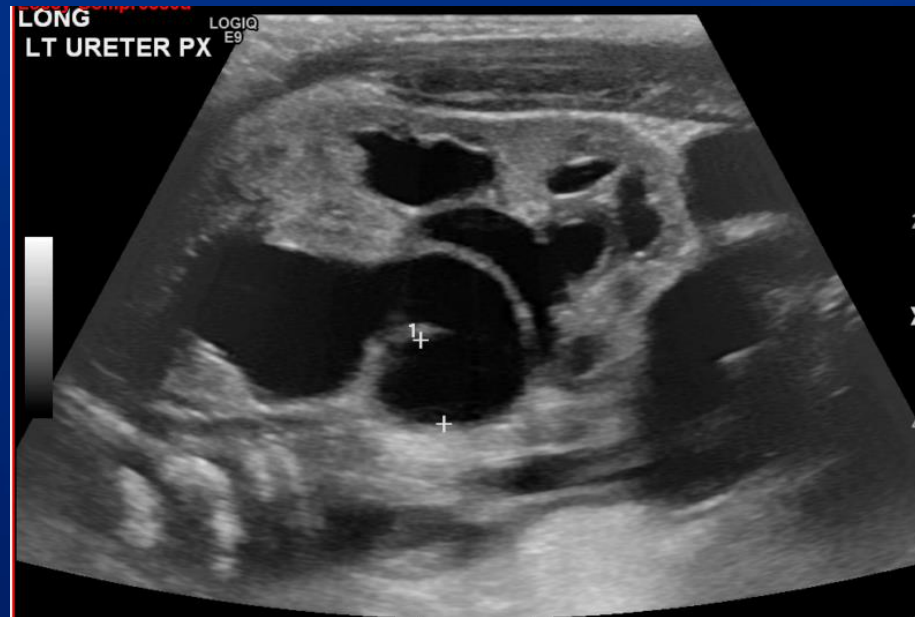
- Prenatal hydroureteronephrosis
- Otherwise unremarkable infant



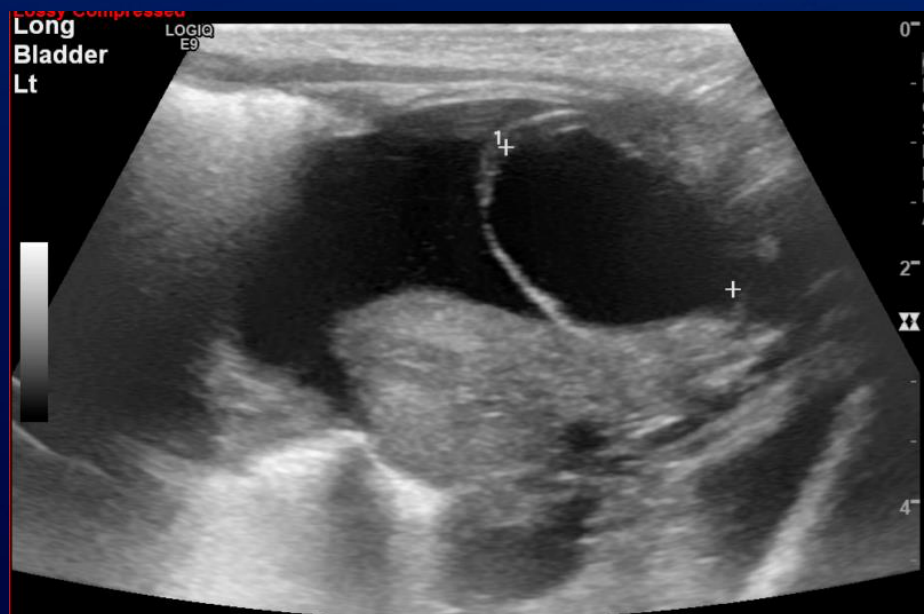
Lossy Compressed
Long
Lt Kidney



LONG
LT URETER PX



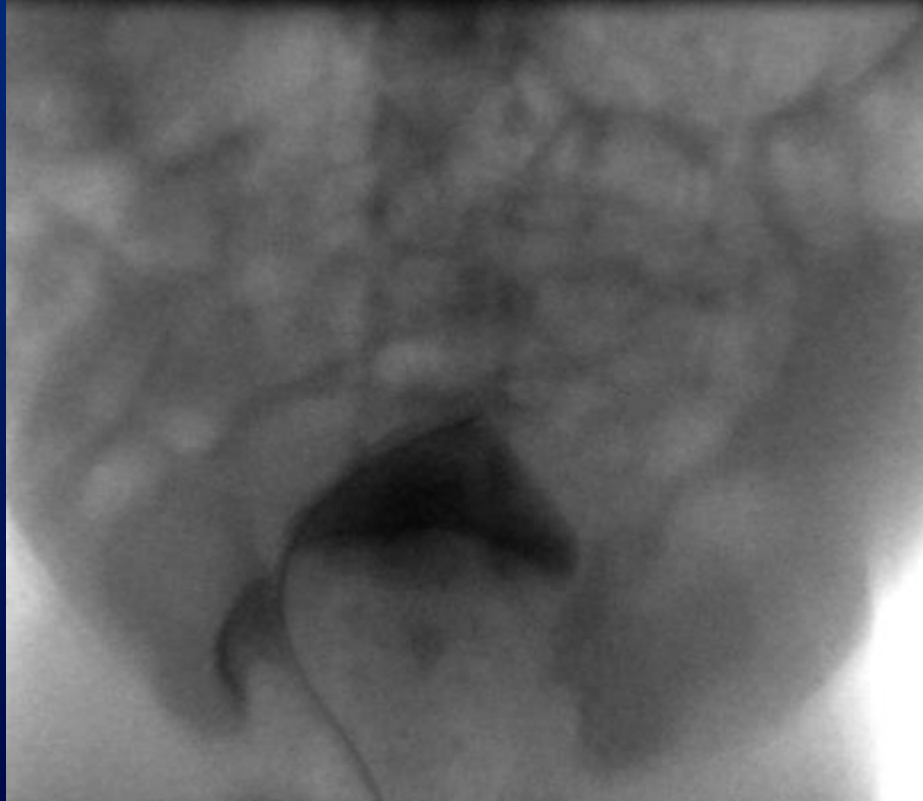
Lossy Compressed
Long
Bladder
Lt

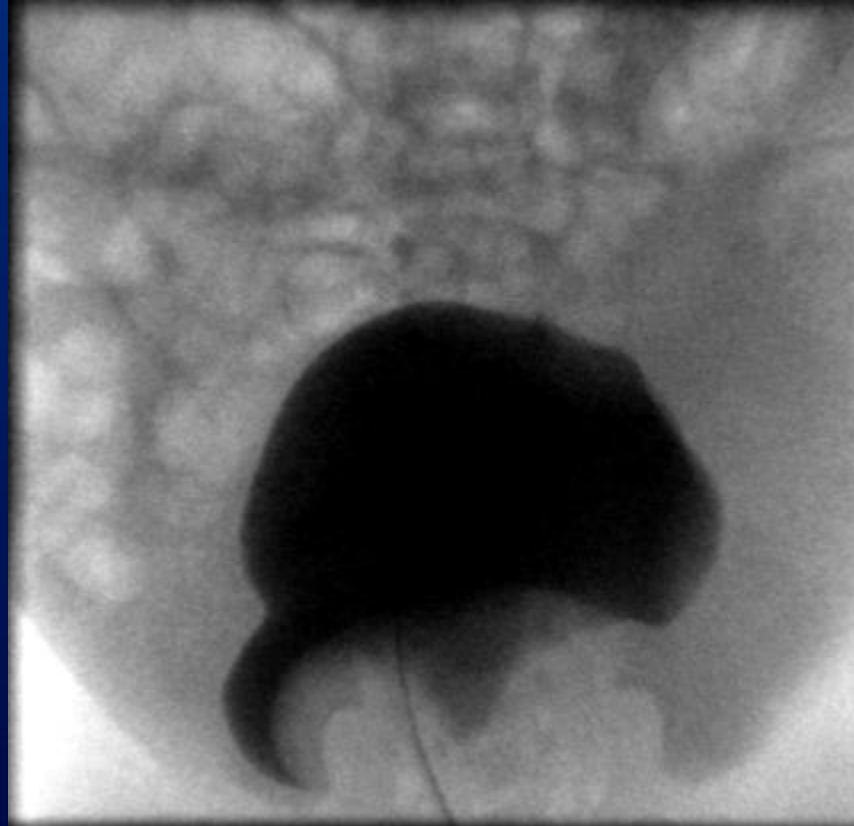


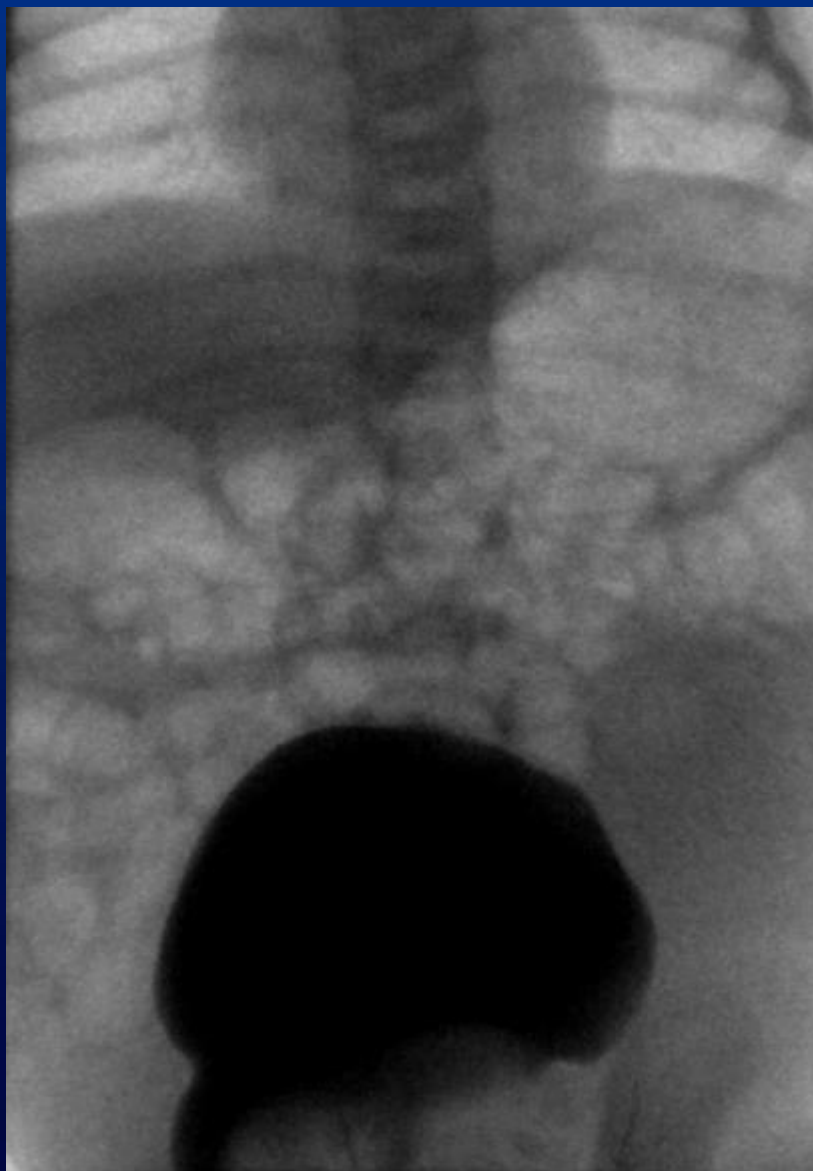
VCUG

- Unable to catheterize
 - Pediatric urology to the rescue...

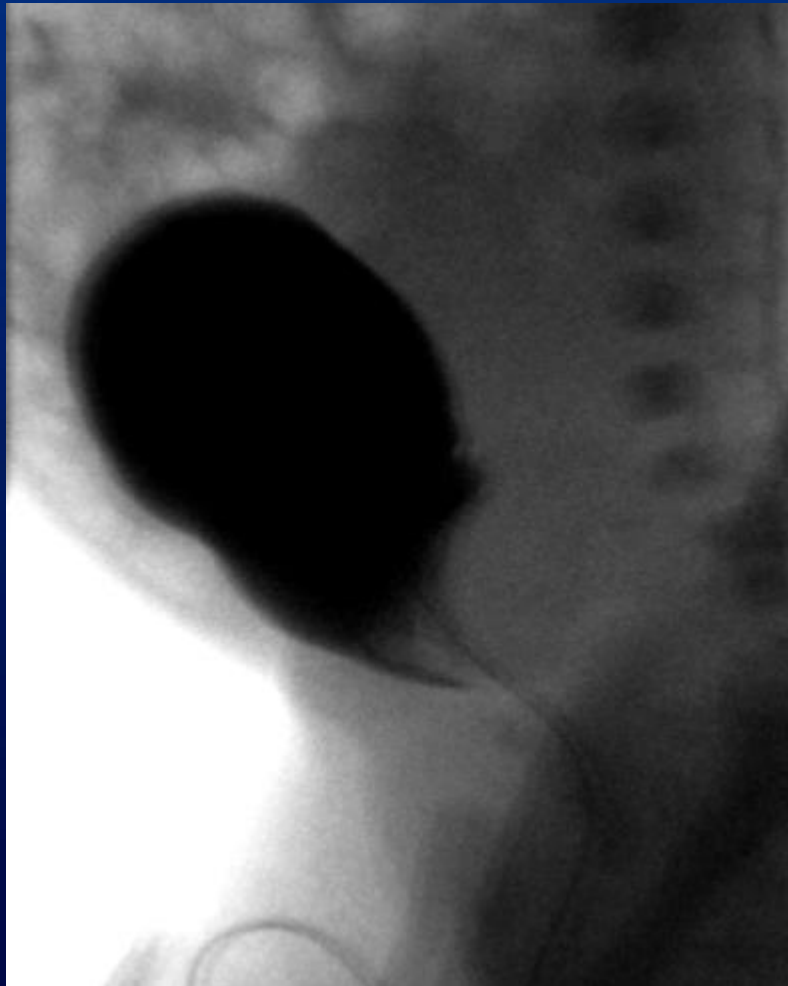










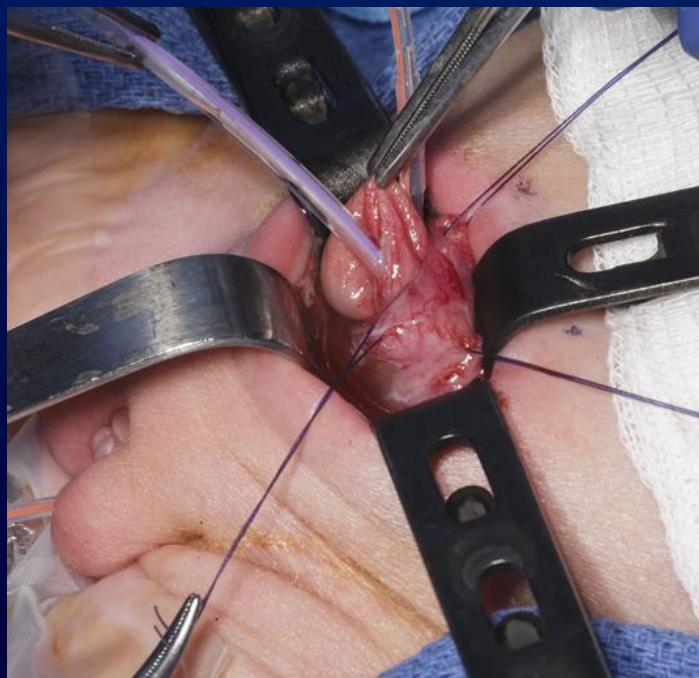
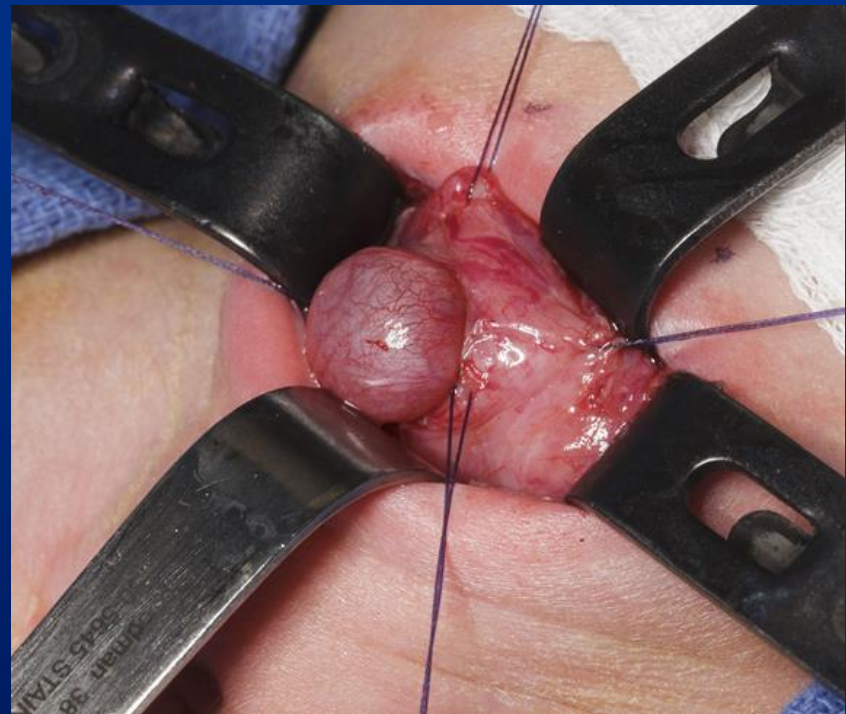
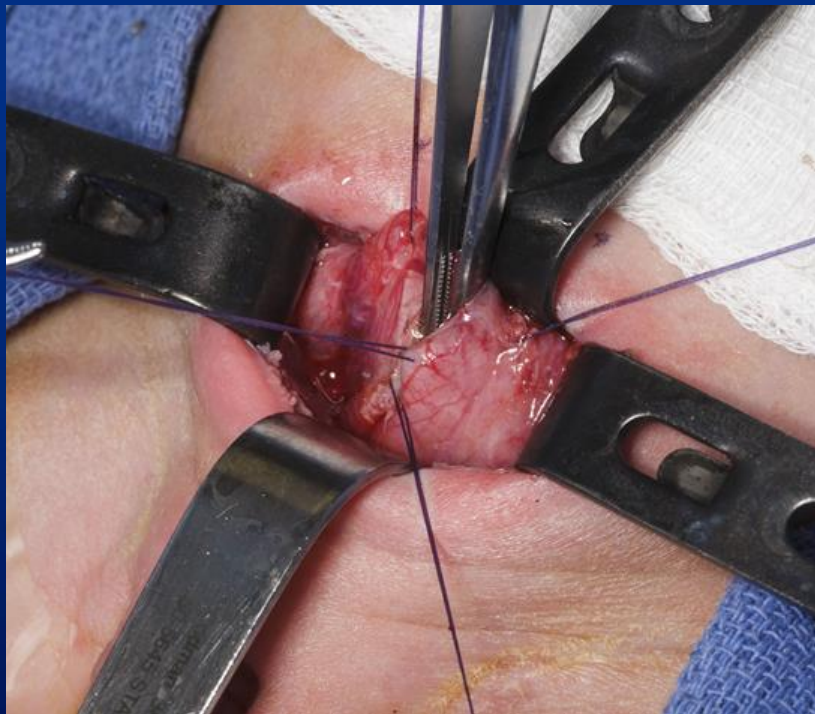


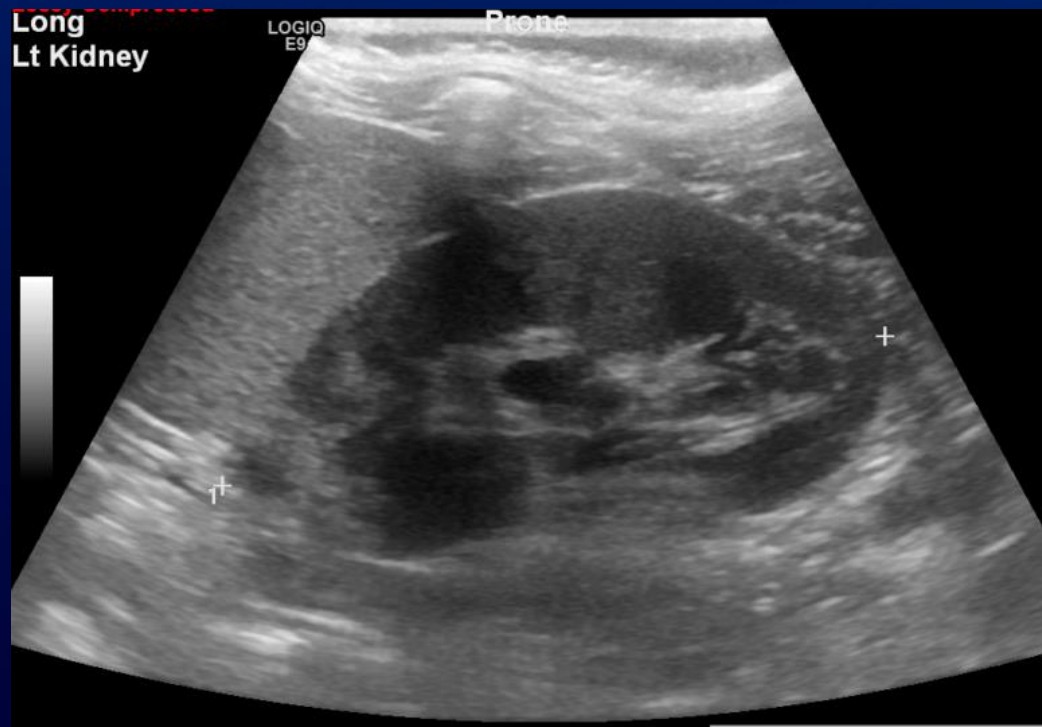


- Ureterocele everts with voiding
- Incomplete bladder emptying
- No vesicoureteral reflux
- Concern for bladder outlet obstruction
 - Contralateral kidney with hydroureteronephrosis
 - Breakthrough febrile UTI...

Questions for Dr. Husmann

- Would you attempt a puncture?
- What is your bailout plan?
- Are you concerned about bladder function?





Questions for Dr. Husmann

- What age would you offer vesicostomy closure and reconstruction?
- Plan for bladder drainage post-op? Will that bladder squeeze???
- What do you tell families to expect regarding continence, bladder function long-term?