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

<table>
<thead>
<tr>
<th></th>
<th>Anterior (Bkg Corrected Counts)</th>
<th>Posterior (Bkg Corrected Counts)</th>
<th>GM (Geometric Mean)</th>
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</thead>
<tbody>
<tr>
<td><strong>Right Kidney</strong></td>
<td>Total = 46035</td>
<td>Total = 57959</td>
<td>Total = 51654</td>
</tr>
<tr>
<td><strong>Left Kidney</strong></td>
<td>Total = 62272</td>
<td>Total = 71638</td>
<td>Total = 66791</td>
</tr>
</tbody>
</table>

% 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…
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
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?