The Urologic 3 M’s
Myths
Misconceptions
Mistakes
Disclosures

• None
The Urologic 3 M’s

- Undescended Testes
- Circumcision
- Hydrocele
- Antenatal hydronephrosis
- Urine collection
Undescended testis

Myths
It will come down by age 6

Misconceptions
Ultrasound is necessary

Mistakes
The scrotum looks full
Not examining male genitalia
You have been following a 6 year old boy since birth. Several past notes read “Normal genitalia”. On today’s exam neither testis is in the scrotum but you can feel both in the groin. What do you do?

1. Plan to check again on your next physical exam
2. Order an ultrasound exam
3. Instruct parents to massage the groin to bring them back down
4. Reassure parents that they will eventually come down
5. Refer to Urology
A four year old girl you have followed for vesicoureteral reflux that presumably has resolved, presents with a fever of 103. She is toilet trained but does have day and night wetting. Would you check her urine?

1. Yes
2. No
If yes, how would you obtain a specimen?

1. Clean catch only and culture
2. Catheter only and culture
3. Catheter for culture if clean catch is abnormal on urinalysis
# Undescended testis

<table>
<thead>
<tr>
<th>Incidence UDT</th>
<th>102–17% (Av 30 3%)</th>
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</thead>
<tbody>
<tr>
<td>Premature</td>
<td>12–0 7% (Av. 3 4%)</td>
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<tr>
<td>Term</td>
<td>0 7–0 8%</td>
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<tr>
<td>1 year</td>
<td>1 15–2 29%</td>
</tr>
<tr>
<td>5 year</td>
<td>2 40–6 23%</td>
</tr>
<tr>
<td>8 year</td>
<td>4 05–5 47%</td>
</tr>
<tr>
<td>11 year</td>
<td>0 7–0 8%</td>
</tr>
<tr>
<td>17–37 year</td>
<td></td>
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</tbody>
</table>
Undescended testis
AUA Guidelines

- Evaluation and Treatment of Cryptorchidism
  J. Urol. 192:337-345, 2014
Cause of “hip pain” (nobody looked)
Circumcision

Misconceptions
Not understanding the natural history of preputial development

Myths
The foreskin must be retractable by age 5

Mistakes
Forcebly retracting the foreskin
Evolution of preputial retractibility

- Initially fused
- Spaces form
- Sulcus free
- Gairdner 1946
PARAPHIMOSIS
PARAPPHIMOMOSIS
Hydrocele

Misconception
A bluish hue to the scrotal wall is abnormal
A large hydrocele must be repaired urgently

Mistakes
Not identifying the testis within the hydrocele
Urine Collection

Myths
The method of collection is unimportant

Misconceptions
$10^5$ colonies is always an infection in a clean catch specimen

Mistakes
Treating a suspected infection on the basis of symptoms or u/a alone
Causes of PYURIA
Clean Catch

• Stamey
• Movie
Collection Bags for Infants
Catheterization
Suprapubic aspiration
Why does it matter?

Overdiagnosis of urinary tract infection leads to:
- Unnecessary antibiotics
- Unnecessary studies
  - Ultrasound
  - VCUG
- Unnecessary surgery in patient with known urinary tract abnormality
Antenatal Hydronephrosis

Misconceptions
Vesicoureteral reflux is benign and therefore does not need to be pursued

Mistakes
Not following up a maternal history of antenatal hydronephrosis
Competing guidelines

- AUA

- AAP
Thank You!

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