

SCROTAL PAIN



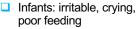






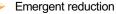


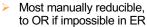
Incarcerated Inguinal Hernia





- ?Previously reducible mass
 Vomiting, abdominal distension and/or constipation /obstipation if intestinal obstruction has occurred
- Firm, discrete, tender inguinal mass extending to scrotum Scrotal erythema & edema
 - Labs and imaging of limited use
 - Ultrasound occasionally helpful to confirm etiology





 Once reduced, timing of definitive surgical repair depending upon age and degree of illness

Torsion of Appendix Testis



- Sudden onset mild-severe pain
- Uncommon to have N/V or previous episodes of pain



- "Blue dot sign": palpable tender nodule at superior or inferior pole
- □ Cremasteric reflex present
- Scrotal erythema, edema, nontender testicle



 Colour doppler ultrasound: normal or increased blood flow to testis, torsed appendage shown as lesion of low echogenicity



- Supportive: analgesics, rest, scrotal support
- Should resolve in 5-10 days
- Surgical removal of appendix testis rarely required

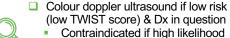
Testicular Torsion

CANNOT MISS!

- Peak incidence: peri pubertal
- Pain: Sudden onset, moderate to severe, unilateral
- Occasional Hx of trauma or previous episodes of pain
- N/V common
- TWIST score



- ☐ High-riding testicle, horizontal lie
- Cremasteric reflex <u>absent</u>
- Scrotal erythema, edema, testicular tenderness
- May have reactive hydrocele



- and results in delay
- U/A generally not indicated and not needed for diagnosis
- → High likelihood (high TWIST score)
 → immediate surgical exploration
 - Surgical detorsion and orchiopexy if viable
 - 97% salvage if **<6h** from sx onset
- Orchiopexy of contralateral testis

Orchitis



- Occasionally bilateral testicular pain
- May show systemic manifestations of underlying infection



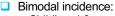
 Scrotal erythema, edema, tenderness, shininess of overlying skin

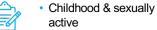


- Viral: <u>mumps</u>, rubella, coxsackie, and parovirus common
 Bacterial: brucellosis
- Supporti

Supportive: rest, NSAIDs, ice packs

Epididymitis





- ☐ Gradual onset pain
- Unlikely: Dysuria, frequency, discharge
- N/V more common with
- No definitive discrimination with torsion
- Cremasteric reflex present

 Scrotal erythema, edema,
 - epididymis tendernessUrinalysis: may be normalSTI testing:
 - Urine NAAT for chlamydia and
 - gonorrhea

 Most common in prepubertal: coliforms and P. aeruginosa
 - Colour doppler ultrasound: normal or ↑ blood flow
 - No pyuria → no abx, supportive care



- Suspected STI cause:
 ceftriaxone IM x1 dose +
 doxycycline PO x10-14 days
- Suspected enteric cause: levofloxacin PO x10 days