Kidney Stone

Clinical Presentation

Ø Symptoms

Incidental

⊕ Symptoms — Acute

Renal Colic

- Paroxysms for mins/hours

⊕

Proximal Ureter
- Flank Pain

Distal Ureter
- Pain radiates to groin

Stone Type

1. Calcium Oxalate 70%
2. Calcium Phosphate 20%
3. Uric Acid 5%
4. Struvite
5. Cystine
6. Meds

Dx

Clues

- Hematuria
  Absent in 20%

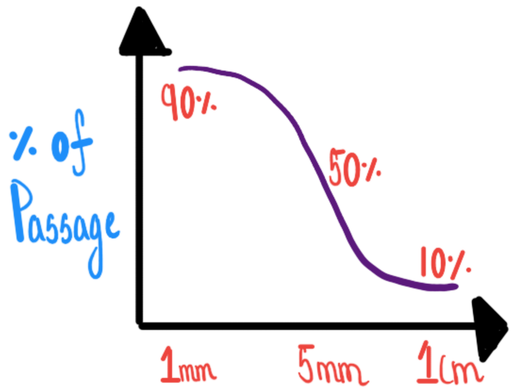
Imaging

- CT w/out contrast
  >
- Ultrasound preferred
  1. Pregnancy
  2. Young

Complications

1. Infection
2. AKI
   Solitary Kidney
3. Refractory Pain
4. Urinothorax
5. Xanthogranulomatous Pyelo

Rx



- ≤ 5mm → Pain Control (NSAIDs 1st line) →
- 5-10mm → Medical Expulsion Rx (Tamsulosin) →
- ≥10mm → Mechanical Disruption