**INDICATIONS FOR TESTING**
Flank pain, nausea/emesis, symptoms of a stone

**ORDER**
Urinalysis, Complete

Hematuria

- No
- Yes

High suspicion of stone

- No
  - Perform other testing
  - Negative
  - Positive
    - Strain urine for stone; send for Calculi (Stone) Analysis; consider 24-hour urine analysis, particularly if not first stone
    - For first stone, usually no workup initially necessary
    - Appropriate imaging

- Yes
  - Appropriate imaging

Fever

- No
  - Leukocytosis and leukocytes on urinalysis
  - Positive
    - Pyelonephritis less likely; obstruction possible
  - Negative
    - Suspect pyelonephritis or concomitant infection
    - Consider imaging or treatment with close observation
    - Appropriate imaging to rule out obstruction
  - Appropriate imaging to rule out obstruction

- Yes
  - CBC with Platelet Count and Automated Differential
  - Nephrolithiasis likely
    - If confirmation required, do CT scan; otherwise, treat symptomatically

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