Nephrolithiasis Testing

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

ORDER
Urinalysis, Complete

Hematuria

No

High suspicion of stone

No

Perform other testing

Yes

Appropriate imaging

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

Yes

Fever

No

Appropriate imaging to rule out obstruction

Yes

Leukocytosis and leukocytes on urinalysis

Suspect pyelonephritis or concomitant infection

Consider imaging or treatment with close observation

Pyelonephritis less likely; obstruction possible

Nephrolithiasis likely

If confirmation required, do CT scan; otherwise, treat symptomatically

CBC with Platelet Count and Automated Differential

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