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

ORDER
Complete urinalysis

Hematuria

No

High suspicion of stone

No

Perform appropriate imaging

Consider testing for other conditions

Nephrolithiasis unlikely

Nephrolithiasis likely

Yes

No fever

Nephrolithiasis likely

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

ORDER
CBC with platelet count and automated differential

Leukocytosis on CBC and/or leukocytes on urinalysis

No

Pyelonephritis less likely; obstruction possible

Consider pyelonephritis or concomitant infection

Consider testing for other conditions

Perform appropriate imaging

Nephrolithiasis unlikely

Nephrolithiasis likely

Yes

Fever present

Nephrolithiasis likely

ORDER
24-hr urine panel testing for kidney stone risk assessment and monitoring

Abbreviation
CT Computed tomography

低风险复发

高风险复发

*Refer to the American Urological Association guideline to aid in evaluation of results.

Reference