

HEMATURIA

General Principles

Confirm the hematuria
R/O external source
Never Rx with antibiotics without culture
Urine cytology of questionable value

Etiology

Infection

Neoplasm

Urolithiasis

Renal parenchymal disease

Various forms of nephritis

Collagen diseases

Diabetic nephropathy

Usually have some degree of renal insufficiency and/or proteinuria

Trauma

Congenital anomalies

Miscellaneous

Coagulopathies

Anticoagulant overdose

Sickle cell trait

Idiopathic

Evaluation

History Nature of bleeding: gross or microscopic; initial, terminal, total

Associated symptoms: pain, bladder sx, etc.

Constitutional symptoms: weight loss, fever, night sweats, etc.

Physical

Imaging

CT

Ultrasound

MRI

Retrograde pyelograms

Endoscopy

Cystoscopy

Ureteroscopy

Other

Culture/sensitivity

Cytology

Renal biopsy