**What is hematuria?**

Hematuria is blood in the urine seen either by the naked eye (gross hematuria) or under the microscope based on observation by the urinary dipstick (microscopic hematuria). Microscopic hematuria occurs in 4% of school age children.

**Will further testing be necessary?**

Evaluation and workup for microscopic and gross hematuria is very similar.

Microscopic hematuria workup:
- Renal (kidney) ultrasound to look for cysts or kidney stones
- Urinalysis for stone risk (sometimes parents will also be asked to have their urine tested)
- Observation for glomerulonephritis (see handout on glomerulonephritis). Observation may be as simple as urinalysis and blood pressure checks or could be more involved based on blood work.

Gross hematuria workup:
- Renal (kidney) ultrasound to look for structural renal disease
- Urinalysis or 24-hour urine collection for kidney stone risk
- Further observation and testing for glomerulonephritis (see handout on glomerulonephritis).

The doctor will order additional laboratory testing if there is an increase in blood pressure, protein in the urine, swelling, and/or a family history of kidney problems.

**Location and Appointments**

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