

Major Manifestations of Urinary Tract

Upper Vs Lower

- Upper- Kidney & ureters
- Lower- Ur Bladder, Urethra, prostate

Hematuria

- >2 RBCs/HPF in a centrifuged urine specimen.
- Glomerular Vs Non- Glomerular
- Non- Glomerular Causes-
 - Urological
 - Interstitial
 - Vascular
 - Unknown Source

Pyuria

- >5 polymorphonuclear cells/HPF of centrifuged urine specimen.
- Causes-
 - UTI
 - Urinary stones
 - Urinary TB.

Eosinophiluria

- >1% of cells in the urine sediment.
- Stains- Hansel's and Wright's
- Causes-
 - AIN
 - UTI
 - DN
 - AERD

Volume abnormalities

Anuria-

- <100 ml of urine in 24 hrs.
- Causes- UTO, ACN

Oliguria-

- <400 ml of urine in 24 hrs.
- Causes- AKI, RPRF, CGN.

Polyuria-

- >2.5 l of urine in 24 hrs
- Causes- DI, Psychogenic, Pregnancy

LUT-Syptomatology

- Irritative-
 - Dysuria – difficulty or pain during voiding.
 - Frequency – abnormally frequent micturition
 - Nocturia- night time urine volume >20-30% of total 24hrs urine volume

- Obstructive –
 - poor urinary stream
 -

www.FirstRanker.com