



Symptoms:

● Hematuria :- presence of RBCs in the urine .

→ Alarming sign

- Initial → First 10 mL → Means the site is urethra
- Midstream → Bladder فما فوق - ureter - Renal pelvis - kidney
- Terminal → Last 10 mL → Prostate - bladder neck - urethra

الألم . Painless → Any type of urinary tract tumor, usually in males, smoker, above 50

• Painful + continuous → usually stone in urinary tract, UTI, prostatic hyperplasia

الألم ←

painless

- Intermittent
- Continuous

إذا المريض عانى انه الدم ما محرقه لازم أسأل:

- ⋮ Do you have a flank pain ?
- ⋮ Do you have lower abdominal pain/supra pubic pain ?

If he doesn't have any → This is considered painless hematuria

● Urine incontinence : involuntary loss of urine

1. Urgency incontinence : involuntary loss of urine associated with / preceded immediately by urgency
2. Stress : // // associated with increase in abdominal pressure
(more common in female)
3. Mixed. 1+2
4. Overflowing : // // associated with urine retention

5. Totally. → urine بنزل الوقت بنزل → Vesicovaginal fistula/ uretrovaginal fistula

In female (child) → Ectopic insertion of the ureter

6. Nocturnal enuresis .

● Nocturia

● Frequency

● Dysuria : painful urination

- Initial
- Midstream → Cystitis
- Terminal

Associated with lower abdominal pain , not associated with fever, rigors → Lower UTI (usually include bladder → Cystitis)

Renal colic

● Pseudo-colic

renal obstruction ما بعد الكلى

↓
Bc it happens due to distention of the capsule leads to inflammation + infection → Renal colic

● Continuous pain →

فيه Ups and downs

بس عارة ما فيه Intervals لان ما فيه

Contraction against obstruction

Uretric colic

● True colic

● Happens in hollow organs

↓
obstruction

● pain free intervals

● It radiates to the ipsilateral iliac fossa .. to the lower abdomen.. to the hemi testes hemipenis , hemi-vulva

● Does not radiate

هل يمكن يصير true colic ؟

If there is an obstruction in
The PVJ (pelvo-uretric junction)

● Associated with urinary
tract symptoms "LUTS"

● Associated with UTI → Fever,
chills , rigors

● Associated with nausea
+ vomiting

● Hesitancy : يشعر بالبول بس ما يعمل الا بعد 2-3 sec

● Intermittency : interrupted

(Indicate obstruction)

● Bifurcated stream : usually symptom of obstruction

Narrow long bifurcated stream

Meatal stenosis

يصير بالظهور الخاطئ

● Stranguria : straining during urination

Indicates obstruction +

hernia بعمل