



Short Answer Questions SAQs

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Case 1

A 32 year old pregnant female presented with fever, flank pain and WBC cast for the first time.

Questions :

- What is the most common pathogen?
E.coli
- What are the main predisposing factors for this disease
 - Urinary obstruction
 - Catheterization
 - Pregnancy
 - Diabetes mellitus
 - Vesicoureteral reflux
- What is the diagnosis?
Acute pyelonephritis
- Write TWO type of Radiological investigations can be done in this case?
CT scan
IV.pyelogram
- Give **ONLY** one drug can be used in this case?
Amoxicillin (note she is pregnant)

Case 2

A 32 year old male complaining of three triad of finding hematuria, palpable mass, and flank pain, with weight loss and fever. The histological picture of the mass shows clear cells after taking biopsy.

Questions:

- What is the most likely diagnosis?
Clear cell carcinoma
- What is the genetic abnormality associated with this disease?
VHL mutation (tumor suppressor gene mutation)
- Give only TWO Paraneoplastic syndrome elevated with this condition?
 - 1) Erythropoietin → Polycythemia
 - 2) ACTH → Cushing syndrome

Case 3

Ahmed, 32 year old hypertensive patient was diagnosed three months ago with Focal segmental glomerulonephritis, nowadays he has lost his appetite with itching and uremia.

Questions :

- What is the most likely diagnosis ?
Chronic Kidney failure
- Give TWO possible treatment two this condition ?
 - 1) Dialysis
 - 2) Transplantation
- Give only TWO more Findings associated with this disease?
 - Metabolic Acidosis
 - Dyslipidemia
 - Hyperkalemia
 - Uremia { loss of appetite}
 - Na⁺ and water retention
 - Growth retardation
 - Erythropoietin Failure (causing anemia)
 - Renal Osteodystrophy { failure of vitamin D} → Hypocalcemia

{ MAD HUNGER }

Case 4

Patient with painless hematuria, he told the doctor that he take high amount of phenacetin, after doing some radiological investigations, it appears that he has neoplastic mass in his urinary bladder

Questions:

- What is the most likely diagnosis?
Transitional cell carcinoma
- Write Two more risk factors associated with this disease?
 - Smoking
 - Cyclophosphamide
- Give ONE genetic abnormality associated with the disease ?
Deletions of tumor-suppressor genes on 9
P53 tumor suppressor gene mutation

Case 5

35 year old male presented with lethargy, anorexia along with oliguria, blood tests showed mild hyponatremia, the doctor misdiagnosed him and sent him home. 2 weeks later the patient got into coma, and several tests indicated Na concentration of 23 mEq/L.

- What's the differential diagnosis?

Diarrhea, Vomiting, Cardiac Failure

- What's the correct diagnosis?

Syndrome of inappropriate ADH secretion (SIADH)

- The coma is a complication of which symptom?

Severe low Na concentration 23 mEq/L (which is below 110 mEq/L)

- Mention 2 predisposing factors of his condition?

1- Infections

2- Neoplasm

- If his condition was drug-induced. Mention one drug that might be the cause?

Antidepressants



العمل مجهود شخصي، قد يهتم وجود اخطاء ..
بالتوفيق للجميع (:)

