
RENAL QUESTIONS

435's Teamwork

Please contact the team leaders for any suggestion, question or correction.

Microbiology.435@gmail.com

Multiple Choice Questions

1- A 62 year old female who was recently diagnosed with multiple sclerosis, came to the ER with fever, chills and she looked a bit confused, the doctor ordered a nitrate dipstick test and found it positive.

How can we manage her case?

- A) Treat her as an inpatient with a 2 weeks course of therapy.
- B) Treat her as an outpatient with a 2 weeks course of therapy.
- C) No treatment is needed as it's a viral infection.
- D) Give her bactrim po for one week.

2- Which of the following gram negative bacterias is capable of forming renal calculi?

- A) Staphylococcus saprophyticus
- B) Pseudomonas aeruginosa
- C) Proteus
- D) Klebsiella pneumoniae

3- One of the most important and significant microscopic findings in diagnosing an acute pyelonephritis is:

- A) Pyuria
- B) Midstream urine
- C) Hematuria
- D) none of the above

4- A 34 year old male came with polyuria, weight loss and tiredness, the physician diagnosed him as a case of chronic pyelonephritis.

Which of the following diagnostic findings best helps the physician in diagnosing this case?

- A) CT scanning
- B) Elevated WBCs' count
- C) ESR
- D) Serum creatinine

5- As a continuation for the case above, what possible complication can develop to this poor man?

- A) Diabetes mellitus
- B) Hypernatraemia
- C) Hypertension
- D) Hypercalcemia

ANSWERS: Q1 → B | Q2 → C | Q3 → A | Q4 → D | Q5 → C

Short Answer Question:

A 23 year old female came to the hospital with fever, chills and dysuria, she's just got back from her honeymoon, the doctors diagnosed her as a case of UTI caused by a gram positive bacteria.

- What type of UTI do you think she has?
 - Answer:
Upper UTI "Pyelonephritis".
 - Explanation:
She has fever and chills which are a common symptoms for upper UTIs'.

- What bacteria caused this UTI?
 - Staphylococcus saprophyticus.

- How can you manage her case?
 - Amoxicillin-clavulanate po for 7-14 days.