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# RENAL QUESTIONS

## 435's Teamwork

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

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## Multiple Choice Questions:

1- A 37 year old female came to the hospital with dysuria and urgency to urinate, she has no fever, and her urinalysis showed a turbid urine with presence of bacteria.

Which of the following is the most efficient diagnosis?

- A) Urethritis.
- B) Cystitis.
- C) Vaginitis.
- D) Hypoestrogenism.

2- A 10 year old child presented to the hospital with pain in supra-pubic area and dysuria, which of the following specimens should be collected to help diagnosing his case?

- A) sputum
- B) Midstream urine after starting antibiotic
- C) Midstream urine before starting antibiotic

3- A 24 year old female, sexually active, unmarried and non-pregnant, diagnosed with cystitis, which of the following agents can be prescribed for her?

- A) Ciprofloxacin for 3 days.
- B) Doxycycline for 3 days.
- C) Ciprofloxacin for 10 days.
- D) Doxycycline for 10 days.

4- All of the following about urine dipstick is not true EXCEPT?

- A) It detects nitrates only.
- B) It's specific.
- C) Used to identify antimicrobial sensitivity.
- D) It detects nitrates and leukocyte esterase.

5- The most common cause of cystitis is:

- A) Candida albicans
- B) Schistosoma haematobium.
- C) E.coli
- D) Enterococcus faecalis.

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

## Short Answer Question:

A 46 year old male presented to the clinic complaining from painful urination and hematuria, he has a long history of diabetes and hypertension, the doctor ordered a urine culture and found a positive result of diploid fungus. The patient doesn't complain from any fever.

- What other significant lab tests can be ordered by his doctor?

- MSU.
- Microscopic examination.
- Urine dipstick.

- What's the name of his fungi?

Candida albicans.

- What is your differential diagnosis?

**Answer:**

Complicated cystitis.

**Explanation:**

1. He has no fever (which is a characteristic of lower UTIs').
2. His UTI is caused by candida albicans, which indicates a complicated UTI.
3. He's diabetic, and this will increase his risk of getting an infection caused by candida albicans.

- What treatment do you think is the best for his case?

**Answer:**

Amphotericin B for 10-14 days.

**Explanation:**

He has a complicated cystitis that needs a long treatment duration.