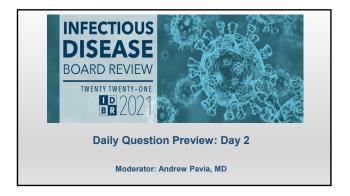
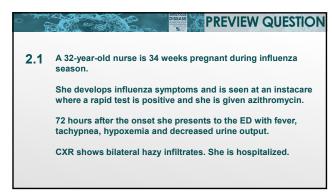
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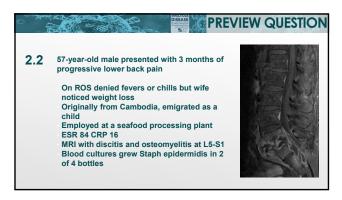
2.1 Which of the following is correct?

A) She should get supportive care only since she has had symptoms for >48 hours

B) Oseltamivir is relatively contraindicated in pregnancy

C) Zanamivir is clearly preferred because of low systemic absorption

D) Oseltamivir should be started as soon as possible



PREVIEW QUESTION

2.2 What is the best next step in management?

A) Repeat 2 sets of blood cultures

B) Initiate vancomycin; place PICC for six week treatment course

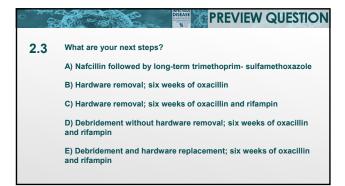
C) Obtain interferon gamma release assay

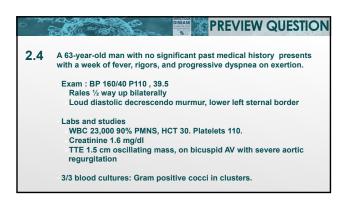
D) Percutaneous biopsy of disc space

E) Empiric treatment with rifampin, isoniazid, ethambutol, and pyrazinamide



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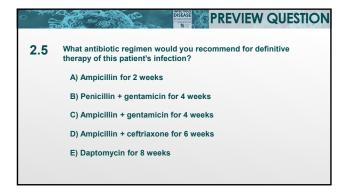


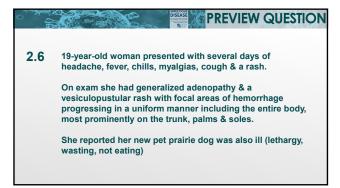


2.5 A 72-year-old man type 2 diabetes mellitus, stage II chronic kidney disease (CKD), and a history of mild aortic stenosis is admitted to the hospital with fever, dysuria, and urinary frequency.

Exam: T38.9oC, Pulse 110 , BP 145/95 mm Hg.
Lungs are clear
3/6 systolic ejection murmur at the right upper sternal boarder.

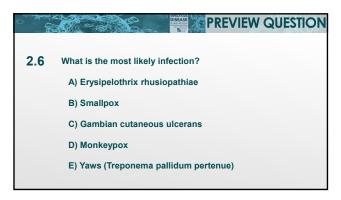
Lab results
Serum glucose 340 mg/dl
Serum creatinine 1.7 mg/dl, BMP otherwise normal
UA: 3+ protein, 20-50 wbcs/high power field, 4+ glucose.
Two blood cultures and a urine culture are positive for ampicillin-susceptible Enterococcus faecalis.





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2.7 25-year-old male presented in July with painful right inguinal mass of one week's duration. He is otherwise well. Married. Monogamous. No hx penile or skin lesion.

Fishing last week in Northern Virginia creek, hiked through wooded area. Picked ticks off legs & neck. Has kitten & dog. Exam: T37oC, 5 cm tender red mass in right midinguinal area, fixed to skin.

Genitalia normal. Aspiration of soft center: 5 cc yellow pus. Gm stain neg. cephalexin 250 mg qid. One week later: mass unchanged. Culture neg. Syphilis FTA & HIV neg.

2.7 Most likely dx:

A) Bartonella henselae

B) Treponema pallidum

C) Haemophilus ducreyi

D) Francisella tularensis

E) Klebsiella (Calymmatobacterium) granulomatis

2.8 28-year-old male presents with temp 39oC, diffuse myalgia, headache, malaise. Returned 2 days ago from "Iron Man" race with running, biking, swimming in lake, climbing in Hawaii. Numerous mosquito bites.

Exam: Conjunctival suffusion but no other localizing findings.

WBC 14,500 with 80%PMN, no eos or bands. Platelets 210k.

Bili 2.4, ALT 45, AST 52, Alk Phos 120, Cr 1.6. Hct 45%. BC neg. UA: normal

2.8 Most likely diagnosis:

A) Malaria

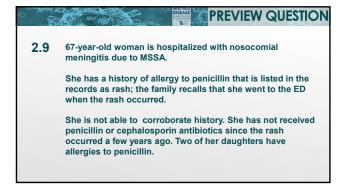
B) Dengue

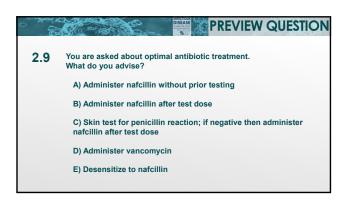
C) Ehrlichiosis

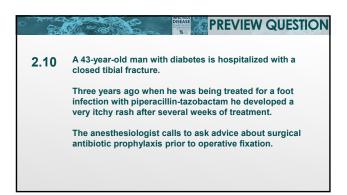
D) Leptospirosis

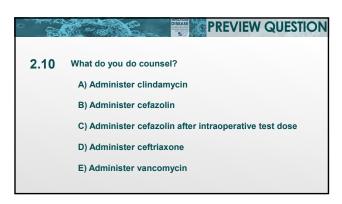
E) Zika

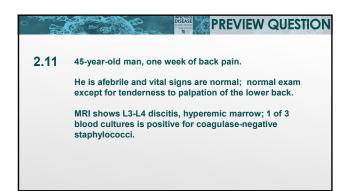
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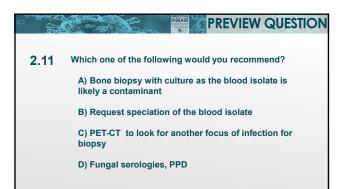




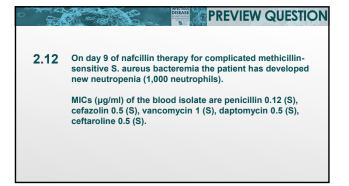


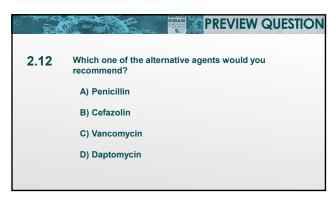






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PREVIEW QUESTION

2.13 A patient with complicated MRSA bacteremia on day 9 of therapy with daptomycin q48h develops myalgias with a creatinine kinase of 1250 u/L (upper limit of normal 200).

The last positive blood culture was on day 3 of therapy.

MICs (µg/ml) of the isolate are as follows: vancomycin 2 (S), daptomycin 0.5 (S), dalbavancin 0.25 (S), telavancin 0.5 (S), ceftaroline 1 (S).



PREVIEW QUESTION

2.14 What is the most likely source for humans to acquire H. pylori infection?

A) Perinatally from mother

B) Ingestion of raw vegetables

C) Ingestion of undercooked meat

D) Ingested tap water from a municipal source

E) Contact with infected secretions from another human

Which of the following is the most appropriate next step for evaluating a 29-year-old previously healthy but overweight male patient with typical retrosternal heartburn symptoms?

A) Stool antigen test for H. pylori

B) Urea breath test for H. pylori

C) No testing for H. pylori

D) Serological testing for H. pylori

E) Empiric therapy for H. pylori regardless of testing

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