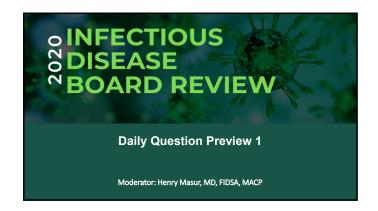
Speaker: John Bennett, MD and Henry Masur, MD



PREVIEW QUESTION

What is the next step to establish a diagnosis of the underlying cause of the recurrent infections and abnormal lab results?

A) IgG subclasses and titers against tetanus and pneumococcus. If low consider IVIG

B) Repeat IgG levels. If low, consider IVIG.

C) Skin tests for DTH. If anergic, consider IVIG.

D) Titers against tetanus and pneumococcus, immunize, and repeat. If low, consider IVIG.

E) Check MBL levels. If low, consider IVIG.

1.2 A patient with HIV infection newly diagnosed (CD4=10, VL=200,000 copies/uL) was started on the following medications: efavirenz, emtricitabine, tenofovir, dapsone, clarithromycin. Fluconazole was added when oral thrush was noted.

Ten days later the patient returns with headache, shortness of breath, a normal chest CT, and ABG which shows pH 7.40, pO2=96mmHg, pCO2 =39mm Hg, O2 Sat 79%.

The most likely cause of this patient's syndrome is:

A) Pneumocystis pneumonia

B) Pulmonary Kaposi sarcoma

C) Fluconazole interaction with another drug

D) Dapsone

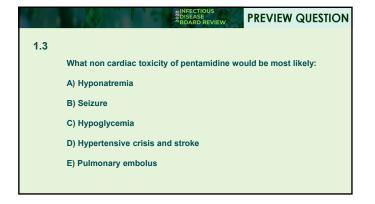
E) Clarithromycin

A 50-year-old male with HIV and PCP is receiving pentamidine 4 mg/kg IV over 1 hr qd.

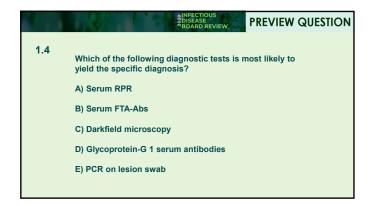
On the ninth day of therapy, while awaiting transportation home, he has a syncopal episode.

An EKG done by the code team is normal.

Speaker: John Bennett, MD and Henry Masur, MD









A 67-year-old woman is hospitalized with nosocomial meningitis due to MSSA.

She has a history of allergy to penicillin that is listed in the records as rash; the family recalls that she went to the ED when the rash occurred.

She is not able to corroborate history. She has not received penicillin or cephalosporin antibiotics since the rash occurred a few years ago. Two of her daughters have allergies to penicillin.

1.6

You are asked about optimal antibiotic treatment.
What do you advise?

A) Administer nafcillin without prior testing

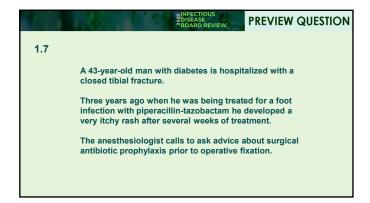
B) Administer nafcillin after test dose

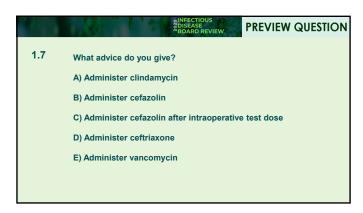
C) Skin test for penicillin reaction; if negative then administer nafcillin after test dose

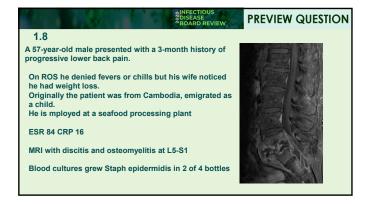
D) Administer vancomycin

E) Desensitize to nafcillin

Speaker: John Bennett, MD and Henry Masur, MD

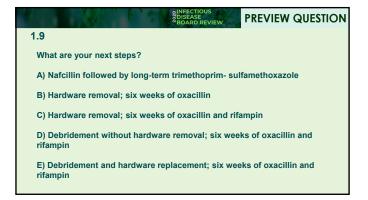












Speaker: John Bennett, MD and Henry Masur, MD



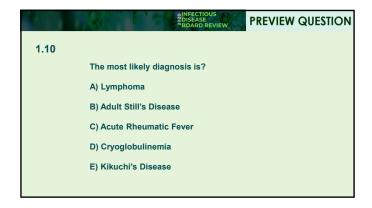


PREVIEW QUESTION

1.10 Labs:

Ferritin 3600 ng/ml (nl 40-200)
WBC 32,200 (89% neutrophils)
AST and ALT 3x normal
ESR and CRP 5x normal
ANA and RF negative
Throat and blood cultures negative

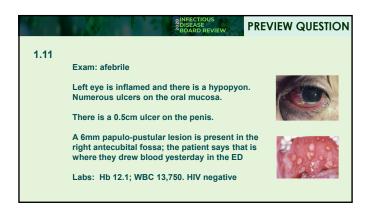
On afternoon rounds with the attending, the fever resolved with Tylenol and the rash is no longer present.



1.11

A 24-year-old man is referred from the ED for ulcers of the mouth and penis. Three months ago he came to the U.S. from Japan to attend graduate school.

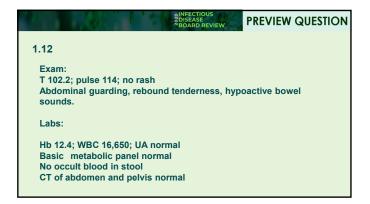
He has a history of intermittent, painful oral ulcers for 3-4 years. Four days ago he developed a painful ulcer on the penile shaft. He recalls a similar lesion 2 months earlier. He takes no medicines and denies sexual contact for the past 5 years.

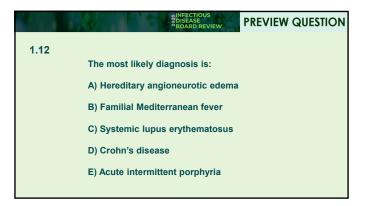


Speaker: John Bennett, MD and Henry Masur, MD









A 63-year-old man with no significant past medical history presents with a week of fever, rigors, and progressive dyspnea on exertion.

Exam: BP 160/40 P110, 39.5
Rales ½ way up bilaterally
Loud diastolic decrescendo murmur, lower left sternal border
Labs and studies
WBC 23,000 90% PMNS, HCT 30. Platelets 110.
Creatinine 1.6 mg/dl

TTE 1.5 cm oscillating mass, on bicuspid AV with severe aortic regurgitation

3/3 blood cultures: Gram positive cocci in clusters.

1.13

What antibiotic regimen would you recommend pending further information about Gram-positive cocci?

A) Nafcillin

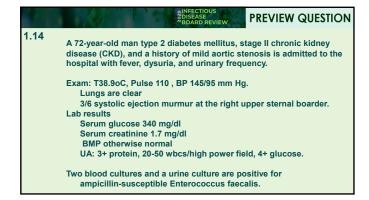
B) Vancomycin

C) Vancomycin + nafcillin

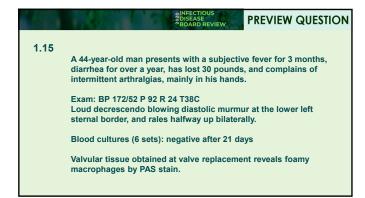
D) Vancomycin + gentamicin

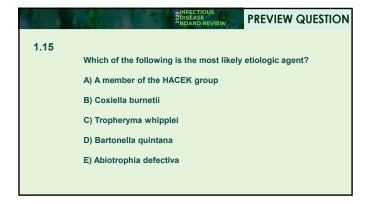
E) Vancomycin + gentamicin + rifampin

Speaker: John Bennett, MD and Henry Masur, MD





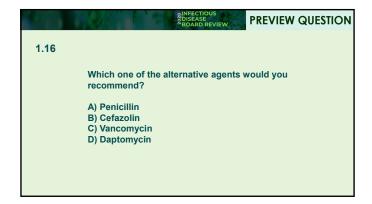




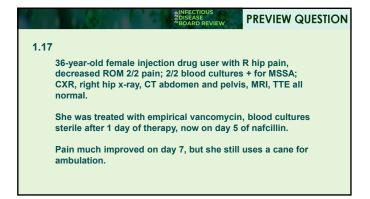
1.16

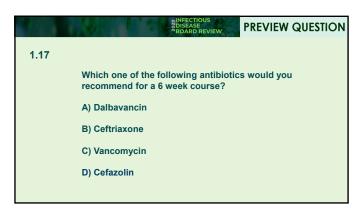
On day 9 of nafcillin therapy for complicated methicillinsensitive S. aureus bacteremia a patient has developed new neutropenia (1,000 neutrophils).

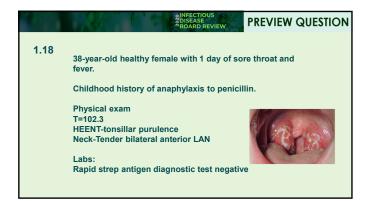
MICs (μg/ml) of the blood isolate are: penicillin 0.12 (S), cefazolin 0.5 (S) vancomycin 1 (S) daptomycin 0.5 (S) ceftaroline 0.5 (S)



Speaker: John Bennett, MD and Henry Masur, MD

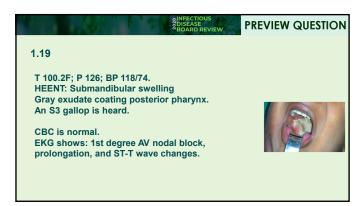












Speaker: John Bennett, MD and Henry Masur, MD

