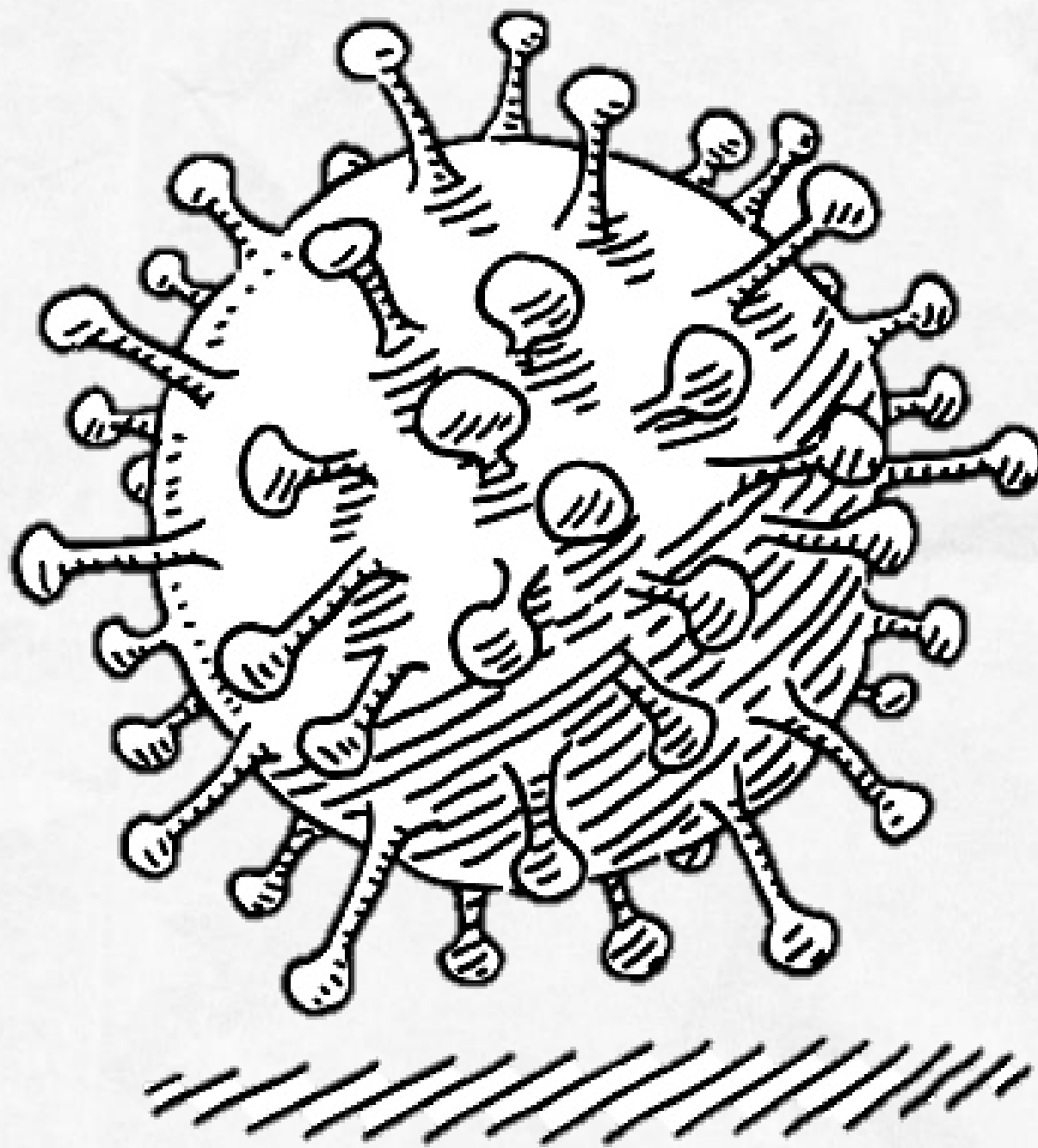


Internal Medicine



Infectious Diseases rotation **- Past papers**

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-The **colored question numbers** are mentioned more than once so focus on them

Infectious Diseases Rotation

1. Which of the following is true about brucella?

- A) brucella abortus is the most virulent species
- B) commonly transmitted from human to human
- C) G+ bacilli
- D) should be treated with antibiotics for several weeks
- E) people who work with animals should have brucella vaccine

ANSWER : D

2. The risk of HCV infection after a needle stick injury:

- A) 0.3%
- B) 3%
- C) 30%

ANSWER : B

3. not a side effect of vancomycin:

- A) red man syndrome
- B) neutropenia
- C) phlebitis
- D) seizures
- E) nephrotoxicity

ANSWER : D

4. not an HIV defining illness:

- A) kaposi sarcoma
- B) TB
- C) CMV retinitis
- D) Herpes zoster

ANSWER : D

Infectious Diseases Rotation

5. patient presented with abdominal discomfort, has 4 bowel movements of loose stool with no blood, no fever, his brother had similar symptoms 2 days ago and symptoms have resolved.. which is the most likely organism?

- A)rota
- B)noro
- C)s. aureus

ANSWER : B

6. which is a mismatch?

- A)chlamydia... bats
- B)salmonella enteritidis... chicken
- C)pasteurella... cats
- D)cryptococcus neoformans... pigeons
- E)brucella canis ... dohs

ANSWER : A

7. Most sensitive sample to be tested by PCR for COVID is:

- A)sputum
- B)nasopharyngeal swab
- C)anal swab

ANSWER : B

8. which of the following is true regarding TB:

- A)Gram positive bacilli
- B)Intracellular organism
- C)Minimal time of treatment is of 9 months

ANSWER : B

Infectious Diseases Rotation

9. A 32-year-old woman was just diagnosed with HIV, which of the following is the most appropriate action?

- A) give treatment only if her viral load above 50,000 copies /ml
- B) Give treatment only if she's not pregnant
- C) Await 2 months and then start treatment
- D) Start antiretroviral treatment
- E) Give treatment only if her CD4 count is below 200 cells/mL

ANSWER : D

10. A patient said that he noticed smooth brown worms around 40 cm in length coming out of his anus. This worm is most likely?

- A) Ascaris lumbricoides
- B) Trichuris trichuria
- C) Ankylostoma duodenale
- D) Necator americanus
- E) Enterobius vermicularis

ANSWER : A

11. Which of the following is FALSE about brucellosis?

- A) The most common focal complication is steoarticular infections
- B) It is commonly transmitted from human to human
- C) Brucella abortus is the most virulent brucella species
- D) It should be treated for several weeks
- E) B+C

ANSWER : E

12. which of the following antibiotics has been particularly associated with hemolytic reactions in patients with G6PD deficiency?

- A) Dapsone
- B) Clindamycin
- C) Cloxacillin
- D) Piperacillin
- E) Vancomycin

ANSWER : A

Infectious Diseases Rotation

13. The highest risk of needle stick injury is related to which of the following viruses?

- A) Hepatitis A
- B) HIV
- C) Hepatitis C
- D) Hepatitis B
- E) Hepatitis E

ANSWER : D

14. Most common cause of viral meningitis:

- A) Herpesviruses
- B) Enteroviruses
- C) Lymphocytic choriomeningitis virus (LCMV)
- D) Mumps
- E) JC virus

ANSWER : B

15. Negative PPD for latent TB:

- A) 6 mm in a patient on long-term steroids
- B) 12 mm in an immigrant from endemic/high prevalence country in the last 5 years
- C) 7 mm in person with recent contact with active TB patient
- D) 10 mm in a 60-year-old healthy woman
- E) 13 mm in a mycobacteriology laboratory professional

ANSWER : D

16. Treatment for brucellosis in children:

- A) Doxycycline only for 6 weeks
- B) Rifampin only for 6 weeks
- C) Doxycycline and Rifampin for 6 weeks
- D) rifampin and TMP-SMX for 6 weeks

ANSWER : D

Infectious Diseases Rotation

17. Sepsis is not associated with:

- A) Dysesthesias in gloves-and-stocking distribution
- B) Absent or reduced reflexes
- C) ARDS
- D) Metabolic alkalosis
- E) Hypotension

ANSWER : D

18. Wrong about IM influenza vaccine

- A) Contraindicated in pregnancy
- B) Contraindicated in immunocompromised patients
- C) Contraindicated in bone marrow transplant patients
- D) A +B
- E) A + B +C

ANSWER : E

19. Drug that causes arthropathy:

- A) Clindamycin
- B) Levofloxacin
- C) Amoxicillin
- D) Metronidazole
- E) Azithromycin

ANSWER : B

20. Severe external ear pain and discharge, most likely organism:

- A) klebsiella
- B) staphylococcus aureus
- C) pseudomonas aeruginosa
- D) GAS
- E) GBS

ANSWER : C

Infectious Diseases Rotation

21. Which of the following is NOT considered anti-pseudomonal antibiotic?

- A) Gentamycin
- B) Cefepime
- C) Ciprofloxacin
- D) Ceftriaxone
- E) Ceftazidime

ANSWER : D

22. Which of the following vaccines is contraindicated in persons with underlying immunodeficiency?

- A) Influenza vaccine
- B) Conjugated Pneumococcal vaccine
- C) Measles-mumps-rubella (MMR) vaccine
- D) Hepatitis B vaccine
- E) Tetanus vaccine

ANSWER : C

23. 60-year-old man comes with productive cough, hemoptysis, weight loss, night sweats. His chest X-ray shows a right upper lobe cavity. You suspect that he has tuberculosis. His HIV test is negative. His sputum Acid Fast Bacillus was negative on three occasions. The best next step in his management is:

- A) Repeat sputum AFB after one month
- B) Do blood culture for mycobacteria
- C) Do bronchoscopy
- D) Treat empirically for TB
- E) Do PPD test

ANSWER : C

24. All the followings are true about Clostridium difficult disease EXCEPT:

- A) It is diagnosed by detection of serum antibodies to toxin A and B
- B) It is caused by Gram-positive bacilli
- C) Recurrence rate can reach 20%
- D) It is the most common cause of hospital-acquired diarrhea
- E) It is treated by metronidazole

ANSWER : A

Infectious Diseases Rotation

25. Which of the following pathogens most commonly complicate H1N1 influenza:

- A) H. influenza
- B) Streptococcus pneumonia
- C) Legionella pneumophila
- D) Anaerobic bacteria
- E) Mycoplasma pneumonia

ANSWER : B

26. All of the following are true about influenza vaccine EXCEPT:

- A) It's given annually
- B) It is contraindicated in patients with Guillain-Barre syndrome
- C) It is composed of three strains of influenza virus
- D) It is contraindicated in immunocompromised patients
- E) It is safe in pregnancy

ANSWER : D

27. All the following is true about Brucella except:

- A) Brucella melitensis is more virulent than Brucella abortus
- B) Treatment is at least for 6 weeks
- C) Endocarditis is the most common cause of death
- D) Sacroiliitis is a rare focal complication
- E) It is a Gram-negative, facultative intracellular bacillus

ANSWER : D

28. All the following cutoffs for the PPD in the corresponding population are considered positive except:

- A) 3 mm in an AIDS patient
- B) 10 mm in a household contact of active TB case
- C) 17 mm in healthy person
- D) 8 mm in a patient with a kidney transplant
- E) 13 mm in an IV drug abuser

ANSWER : A

Infectious Diseases Rotation

29. Which of the following isn't a side effect to vancomycin?

- A) red man syndrome
- B) neutropenia
- C) phlebitis
- D) neuropathy
- E) nephrotoxicity

ANSWER : D

30. A patient with recurrent abscesses, pneumonia, and high IgE:

- A) Defect in phagocytosis
- B) Defect in chemotaxis
- C) Mixed defect

ANSWER : B

31. ESBL (extended spectrum beta lactamase) bacteria defining feature is resistance to:

- A) Imipenem
- B) Meropenem
- C) Ceftriaxone
- D) Cefuroxime

ANSWER : C

32. which Schistosoma causes bladder cancer?

- A) S. haematobium
- B) S. mansoni
- C) S. japonicum

ANSWER : A

Infectious Diseases Rotation

33. Which vaccine of the following is safe to give in pregnancy?

- A) Injectable influenza
- B) MMR
- C) Human Papilloma Virus vaccine

ANSWER : A

34. Which test of the following is diagnostic to syphilis?

- A) RPR
- B) VDRL
- C) Biopsy

ANSWER : C

35. MCC of acute endocarditis:

- A) S. viridans
- B) S. epidermidis
- C) E. faecalis
- D) S. aureus

ANSWER : D

36. HVC antibody was positive: what's the best next step?

- A) LFT
- B) Viral load by PCR
- C) Liver biopsy

ANSWER : B

Infectious Diseases Rotation

37. Patient complaining of perianal itching mainly during night and then he was diagnosed with enterobius vermicularis infection. Which of the following is wrong?

- A) It occurs mostly in children
- B) It is a pinworm
- C) Eggs are invisible in stool
- D) Anemia is commonly associated with this infection

ANSWER : D

38. Which of the following is the diagnostic test for active TB?

- A) 3 Sputum samples
- B) Chest CT scan
- C) Tuberculin skin test

ANSWER : A

39. Which of the following TB infections is the most infectious?

- A) CNS
- B) Larynx
- C) Spine
- D) Calcified lung
- E) GIT

ANSWER : B

40. What's the most common cause of death in patients with brucellosis?

- A) Sacroiliitis
- B) Endocarditis
- C) Osteomyelitis
- D) Liver failure

ANSWER : B

Infectious Diseases Rotation

41. Wrong about *Ascaris lumbricoides*:

- A) Diagnosed by detection of eggs in stool
- B) Most common helminth worldwide
- C) May cause Loeffler syndrome
- D) May cause periorbital edema

ANSWER : D

42. Wrong about *C. difficile*:

- A) High risk antibiotics are clindamycin, cephalosporins, and fluoroquinolones
- B) Causes pseudomembranous colitis
- C) It's a gram-negative bacillus
- D) One of the risk factors to develop infection is taking PPIs
- E) It can cause toxic megacolon

ANSWER : C

43. Peak age of HIV in Jordan:

- A) 5-15
- B) 15-25
- C) 25-35
- D) 35-45
- E) 45-55

ANSWER : C

44. Cannot be acquired from unpasteurized milk:

- A) *Mycobacterium bovis*
- B) *Listeria monocytogenes*
- C) *Brucella*
- D) *Bacillus anthrax*

ANSWER : D

Infectious Diseases Rotation

45. Most common congenital immunodeficiency disorder:

- A) Severe combined immunodeficiency
- B) Common variable immunodeficiency
- C) Bruton agammaglobulinemia
- D) IgA immunodeficiency

ANSWER : D

46. Which of the following is true about HAV?

- A) Viral shed in feces at onset of symptoms
- B) It tends to be a chronic infection
- C) Its vaccine is safe in pregnancy
- D) It causes splenomegaly

ANSWER : C

47. Follicular tonsillitis is caused by:

- A) GBS
- B) GAS
- C) Staph aureus
- D) S. pneumonia
- E) Viridans streptococcus

ANSWER : B

48. Which of the following best describes the starting criteria for antiretroviral therapy in patients with HIV infection?

- A) Treatment is started if CD4 count is less than 300 cells/mL
- B) Treatment is started if patient is losing weight
- C) Treatment is started once patient is diagnosed with HIV
- D) Treatment is started if an opportunistic infection appears
- E) Treatment is started if viral load is more than 50,000

ANSWER : C

Infectious Diseases Rotation

49. Which of the following vaccines contains live attenuated pathogen?

- A) Injectable tetanus vaccine
- B) Injectable MMR vaccine
- C) Injectable influenza vaccine
- D) Injectable hepatitis B vaccine
- E) Injectable polysaccharide pneumococcal vaccine

ANSWER : B

50. A 42-year-old woman presents to the emergency department with right-sided flank pain. She has a history of CKD stage 4 due to ADPKD. The pain has steadily worsened over the last 2 weeks. Associated symptoms are fever, nausea, and vomiting, but no dysuria or hematuria. Physical examination reveals blood pressure of 108/60 mm Hg, heart rate of 98/min, and temperature of 39 degrees, and right costophrenic angle tenderness. Serum creatinine is 2.8 mg/dL (0.6-1.1), which is unchanged from 3 months ago. Urinalysis is unremarkable. Blood cultures are obtained. A computed tomography scan without intravenous contrast reveals multiple fluid-filled cysts in both kidneys, as well as cysts in her liver. Which one of the following is the MOST appropriate treatment?

- A) Vancomycin
- B) Ciprofloxacin
- C) Linezolid
- D) Gentamicin
- E) Piperacillin

ANSWER : B

51.true about tinea:

- A) Cysticercosis is caused by tinea saginata
- B) Tinea solium is found in pork
- C) Tinea saginata is found in pork

ANSWER : B

Infectious Diseases Rotation

52. which of the following is NOT a side effect of Metronidazole?

- A) Red man syndrome
- B) Headache
- C) Disulfiram-like reaction
- D) Metallic taste

ANSWER : A

53. 90% of congenital rubella syndrome occurs if mother get infected in:

- A) first trimester
- B) Second trimester
- C) Third trimester

ANSWER : A

54. A CSF sample showed: low glucose, high protein, lymphocytes, the least likely etiology is:

- A) TB
- B) HSV
- C) Sarcoidosis

ANSWER : B

55. Wrong about chylothorax:

- A) TG more than 110
- B) Cholesterol more than 200
- C) Exudative effusion

ANSWER : B

Infectious Diseases Rotation

56. Which of the following doesn't trigger G6PDD hemolysis?

- A) Dapsone
- B) Nitrofurantoin
- C) Levofloxacin
- D) TMP-SMZ

ANSWER : C

57. The percentage of transmitting HIV from the mother to the child is:

- A) 5%
- B) 10%
- C) 25%
- D) 50%
- E) 70%

ANSWER : C

58. Not in the management of common cold:

- A) Antibacterial drug administration
- B) Decongestant administration
- C) NSAID
- D) Hydration

ANSWER : A

59. TRUE regarding brucellosis:

- A) B. canis commonly infects goats and sheep
- B) B. suis is associated with suppurative destructive lesions
- C) B. suis is the most common one in humans
- D) It's more common in females

ANSWER : B

Infectious Diseases Rotation

60. Which of the following needs only contact isolation?

- A) TB
- B) MRSA
- C) Measles
- D) Influenza

ANSWER : B

61. Which of the following is NOT an AIDS-defining illness?

- A) Kaposi sarcoma
- B) cryptosporidiosis
- C) Oral candidiasis
- D) TB
- E) CMV retinitis

ANSWER : C

62. What's the most common cause of diarrhea in adults?

- A) Norovirus
- B) Rotavirus
- C) E. coli
- D) Adenovirus

ANSWER : A

63. Which of the following causes erysipelas?

- A) Exotoxin of S. aureus
- B) GBS
- C) GAS
- D) P. aeruginosa

ANSWER : C

Infectious Diseases Rotation

64. 70-year-old patient started complaining of cough, SOB and weakness of 3 days duration. He was suspected to have been infected with H1N1 influenza A strain. All of the following are applicable EXCEPT?

- A) He should be given oseltamivir
- B) He should be started on prophylactic antibiotics
- C) His household contacts should be started on oseltamivir
- D) H1N1 diagnosis can be confirmed with nasopharyngeal swab PCR

ANSWER : A

65. Man went to India and now has bloody diarrhea; all of these are possible etiologies EXCEPT:

- A) Shigella
- B) Salmonella
- C) Cholera
- D) Campylobacter

ANSWER : C

66. Which of the following antibiotics causes tendinitis in the rotator cuff muscles?

- A) Ciprofloxacin
- B) Doxycycline
- C) Sulfatrim
- D) Ampicillin

ANSWER : A

67. Common variable immune deficiency, which is true?

- A) Recurrent infections in childhood
- B) Low IgA and IgG
- C) Decreased B lymphocytes

ANSWER : B

Infectious Diseases Rotation

68. Most common cause of viral encephalitis:

- A) HSV
- B) CMV
- C) VZV
- D) EBV
- E) West Nile virus

ANSWER : A

69. Which of the following is an AIDS-defining disease?

- A) CD4 less than 300
- B) Viral load more than 10000
- C) TB
- D) VZV

ANSWER : C

70. What is the risk of being infected with HIV after needle stick injury?

- A) 0.3 %
- B) 3%
- C) 30%

ANSWER : A

71. Not a side effect of vancomycin:

- A Red man
- B) Phlebitis
- C) Renal toxicity
- D) Seizures

ANSWER : D

Infectious Diseases Rotation

72. A case of infective endocarditis, patient 45 y/o, healthy, she did a root extraction at dentist clinic, started to have new murmur, which is the most likely organism:

- A) Staph aureus
- B) Alpha hemolytic strep
- C) E. coli
- D) Bacteroides
- E) Staph epidermidis

ANSWER : B

73. A patient with VZV shingles, which is wrong?

- A) Observe
- B) Give ganciclovir
- C) Give acyclovir
- D) Give levofloxacin
- E) Do HIV test if it was bilateral

ANSWER : D

74. About amoeba histolytica found in feces, which of the following is NOT true?

- A) Treatment for 7-10 days
- B) Elevated alkaline phosphatase means liver abscess
- C) Blood comes from colon ulcers
- D) Metronidazole is the treatment of choice

ANSWER : D

75. All of the following indicate SIRS EXCEPT:

- A) RR 23
- B) WBC 10000
- C) Temp 39
- D) Bands 13%

ANSWER : B

Infectious Diseases Rotation

76. All true about C. difficile EXCEPT:

- A) Most antibiotic-induced diarrhea are not caused by CD
- B) Most cases of pseudo membranous colitis are caused by CD
- C) May be found in healthy people
- D) Immune complex mediated
- E) Metronidazole is DOC

ANSWER : D

77. All true about staph. Aureus food poisoning EXCEPT:

- A) Fever
- B) Nausea and vomiting
- C) Diarrhea in less than 24 Hours
- D) Abdominal cramping

ANSWER : A

78. Which of the following may cause lupus?

- A) Isoniazid
- B) Rifampicin
- C) Pyrazinamide
- D) Ethambutol
- E) Streptomycin

ANSWER : A

79. A patient susceptible to parasitic infections, mostly due to:

- A) B cell deficiency
- B) T cell deficiency

ANSWER : B

Infectious Diseases Rotation

80. the combination with worse nephrotoxicity

ANSWER : Vancomycin with amikacin

81. Which antibiotic will cause arthropathy as a side effect?

ANSWER : levofloxacin

82. Patient testing for HIV after 7 days from intercourse with HIV infected patient, best tool:

ANSWER : PCR testing for viral load

83. Most sensitive test for typhoid fever:

ANSWER : In the past paper file, it's blood culture but the true answer is bone marrow culture

Infectious Diseases Rotation

84. Immediate action after needle stick injury?

ANSWER : wash your hands with water and soap

85. Needle stick injury with Hep B in an individual not previously vaccinated, what to do?

ANSWER : give the vaccine and Hep B immunoglobulins

86. True about sepsis

ANSWER : Tachypnea can be the first presenting sign (not sure)

87. A case of upper respiratory tract infection, prescribed amoxicillin by a physician, what to do?

ANSWER : May be to stop the antibiotic because it's most probably a viral infection (although guidelines say you should complete the course).

Infectious Diseases Rotation

88. Most infectious TB?

ANSWER : Cavitating pulmonary TB (also the laryngeal TB is very contagious, and it was the answer in another question (there was not cavitating pulmonary TB in the other choices)

89. Epigastric pain 4 hours after eating custard:

ANSWER : *S. aureus*

90. Most common cause of cellulitis

ANSWER : *Staphylococcus aureus* (*Streptococcus pyogenes* is more common but it was not a choice)

91. An antibiotic contraindicated in pregnancy

ANSWER : doxycycline

Infectious Diseases Rotation

92. Not in the management of common cold

ANSWER : antibacterial drug administration

93. True about C. difficile

ANSWER : diagnosed via stool toxin

94. True about sepsis?

ANSWER : Hypothermia is a poor prognostic sign

95. Doesn't cause severe diarrhea?

ANSWER : Bacillus cereus

Infectious Diseases Rotation

96. A female who went to a restaurant and presented with vomiting after 5 hours, Dx:

ANSWER : Staph (remember: S. aureus and B. cereus have pre-formed toxins that cause diarrhea in 30 mins to 6 hours)

97. True about Hepatitis B vaccine

ANSWER : protective against hepatitis D

98. Most serious type of malaria

ANSWER : P. Falciparum.

99. Disorder of phagocytosis?

ANSWER : chronic granulomatous disease

Infectious Diseases Rotation

100. PCP pneumonia:

ANSWER : CD4 < 200

101. Which is false about sepsis:

ANSWER : blood culture is positive in 80% of case

102. Enterohemorrhagic E. coli:

ANSWER : antibiotics are contraindicated (they increase the risk of HUS)

103. Which on the following is true about SIRS

ANSWER : Bands more than 10%

اللهم سلم غزاة وأهلها من كل سوء وشر، اللهم انصرهم وثبت أقدامهم وكن لهم ناصراً ومعيناً

لا تنسوني من صالح دعائكم

Malek Abu Rahma

The End
Good Luck シ