

Infectious diseases, Parasitology and Tropical Medicine department
Subjects for the infectious diseases exam

1. Spread and actuality of the infectious diseases. Classifications of infectious diseases. Methods of laboratory diagnosis. The types of fever.
2. Definitions of infection, systemic inflammatory response syndrome (SIRS), sepsis. Manifestations of infections.
3. Nosocomial infections. Classification. Etiology. The group at the risk. Nosocomial pneumonia, clinical manifestations, diagnosis, treatment.
4. The principles of antibacterial treatment in infectious diseases pathology.
5. The undesirable effects of antibiotics. Clinical manifestations. The resistance to antibiotics and the mode of its prevention.
6. The treatment and prevention of the infections with serum, immunoglobulin, vaccines. Skin test for horse serum sensitivity.
7. Septicemia. Etiology. Pathogenesis. Classification. Clinical manifestations. Diagnosis. Principles of treatment.
8. Septic shock. Etiology. Pathogenesis. Classification. Clinical manifestations. Diagnosis. Principles of treatment.
9. Hypovolemic shock in infectious diseases. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
10. Diagnosis and management of tonsillitis in infectious diseases. Etiology. Pathogenesis. Principles of treatment.
11. Parainfluenza. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
12. Rhinovirus infection. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
13. Influenza. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
14. Complications in influenza. Acute respiratory distress syndrome. Diagnosis. Principles of treatment.
15. Enteroviral infection: *Coxsackievirus*, *Echovirus*. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
16. Leptospirosis. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
17. Infectious mononucleosis. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
18. Brucellosis. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
19. Anthrax. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
20. Tularemia. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
21. Plague (*Y. pestis*). Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
22. Botulism. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
23. Shigellosis. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
24. Salmonellosis. Local forms. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
25. Salmonellosis. Generalized forms. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
26. Typhoid fever. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Complications. Principles of treatment.
27. Paratyphoid A and B. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
28. Food-poisoning disease classification. Pathogenesis of food poisoning disease.
29. Staphylococcal food-borne diseases Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
30. *Clostridium perfringens* food-borne diseases Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
31. *Yersinia enterocolitica*. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
32. *Yersinia pseudotuberculosis*. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
33. Erysipelas. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
34. Borreliosis (Lyme disease). Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.

35. Tetanus. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
36. Rabia. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Prevention.
37. Viral hepatitis A. Rabies. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
38. Acute viral hepatitis B. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
39. Acute viral hepatitis C. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
40. Acute viral hepatitis D, coinfection. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
41. Acute viral hepatitis D, superinfection. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
42. Viral hepatitis E. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
43. Chronic viral hepatitis. Classification. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
44. Atypical evolution of viral hepatitis. Clinical manifestations. Diagnosis.
45. Biochemical diagnosis of acute and chronic viral hepatitis.
46. Serological diagnosis of acute and chronic viral hepatitis.
47. Acute liver failure. Etiology. Pathogenesis. Clinical manifestations. Diagnosis. Principles of treatment.
48. The principles of treatment of the acute viral hepatitis. Antiviral and steroid treatment.
49. The principles of treatment of the chronic viral hepatitis B and D. Antiviral treatment.
50. The principles of treatment of the chronic viral hepatitis C. Antiviral treatment.
51. HIV/AIDS infection. Etiology. The principles of clinical-immunological classification.
52. HIV/AIDS infection. Principles of antiretroviral treatment. Adherence to the treatment.
53. Acute HIV infection (acute retroviral infection). Clinical manifestations. Diagnosis. Principles of treatment.
54. The particularity of HIV/AIDS in children. The diagnosis of HIV in children.
55. HIV/AIDS infection. Muco-cutaneous involvement in HIV/AIDS infection. Clinical manifestations. Diagnosis. Principles of treatment.
56. Clinical peculiarity of herpes infection in HIV infected persons
57. Pulmonary involvement in HIV/AIDS infection. Clinical manifestations. Diagnosis. Principles of treatment.
58. CNS involvement in HIV/AIDS infection. Clinical manifestations. Diagnosis. Principles of treatment.
59. AIDS - the final stage of HIV infection. Clinical manifestations. Diagnosis. Principles of treatment.
60. Differential diagnosis of the acute viral hepatitis B and mechanical jaundice.
61. Differential diagnosis of the leptospirosis and influenza.
62. Differential diagnosis of the leptospirosis and acute viral hepatitis A.
63. Differential diagnosis of mononucleosis and acute viral hepatitis A.
64. Differential diagnosis of mononucleosis and acute retroviral syndrome.
65. Differential diagnosis of mononucleosis and influenza.
66. Differential diagnosis of the bubonic form in plague and tularemia.
67. Differential diagnosis of the salmonellosis and cholera.
68. Differential diagnosis of the salmonellosis and shigellosis.
69. Differential diagnosis of the botulism and mushroom poisoning.
70. Differential diagnosis of the botulism and other food poisoning.
71. Differential diagnosis of the acute viral hepatitis C and chronic viral hepatitis C.
72. Differential diagnosis of the acute viral hepatitis A and acute viral hepatitis B.
73. Differential diagnosis of the acute viral hepatitis A and acute viral hepatitis E.
74. Differential diagnosis of the infection that evolve with the rash syndrome: smallpox, chickenpox, zona zoster with dissemination.
75. Differential diagnosis of the pseudotuberculosis and scarlet fever.
76. Infectious disease that evolve with CNS involvement. Etiology. Classification of meningitis. Pathogenesis. Clinical manifestation.
77. Differential diagnosis of the enteroviral and tuberculous meningitis. Principles of treatment of the viral meningitis.

78. Differential diagnosis of the enteroviral and meningococcal meningitis. Principles of treatment of the bacterial meningitis
79. Differential diagnosis of the enteroviral and HSV meningitis.
80. Differential diagnosis of the meningococcal and pneumococcal meningitis.
81. Differential diagnosis of the meningococcal and HSV meningitis.
82. Differential diagnosis of the meningococcal and tuberculosis meningitis.
83. Differential diagnosis of the tetanus and rabia.
84. Differential diagnosis of the HIV encephalopathy and cerebral toxoplasmosis.
85. Differential diagnosis of the influenza and pneumocystis jiroveci pneumonia in AIDS
86. Differential diagnosis of the influenza and rhinovirus infection.
87. Differential diagnosis of the influenza and viral hepatitis A.
88. Differential diagnosis of the influenza and parainfluenza.
89. Differential diagnosis of Lyme disease and erysipelas.
90. Differential diagnosis of Yersiniosis enterocolitica and shigellosis