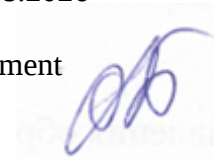


APPROVED

at the Meeting of the Department of Internal Diseases, Cardiology and Rheumatology with a course of advanced training and retraining Protocol #1 of 31.08.2026

Head of the Department



A.M.Prystrom

Credit questions

in **Internal Diseases** for the **6h** year students of the Medical Faculty for International Students at the Department of Internal Diseases, Cardiology and Rheumatology with a course of advanced training and retraining in **2026/2027** academic year

1. Clinical manifestations of bronchial obstruction syndrome.
2. Diagnosis, severity, principles of COPD treatment.
3. Classification, diagnosis, principles of treatment of bronchial asthma.
4. Differential diagnosis of COPD and bronchial asthma.
5. Differential diagnosis of bronchial asthma, angioedema, heart failure.
6. Clinical and radiological signs of pulmonary infiltrate.
7. Scheme of examination of a patient with pulmonary infiltrate.
8. Pulmonary embolism of small branches: clinic, diagnostic methods, principles of therapy.
9. Risk factors for the development of a fungal infection of the lungs, diagnostic clinical signs, diagnosis of a fungal infection of the lungs.
10. Clinical and radiological signs of pleural effusion, instrumental methods for diagnosing pleural effusions.
11. Technique, complications of pleural puncture.
12. Laboratory diagnostics, differential diagnosis of transudates and exudates.
13. Principles of treatment of pleural effusions (non-drug and drug methods).
14. Pleural empyema: causes, diagnosis, treatment.
15. Causes, clinical and instrumental diagnosis of spontaneous pneumothorax.
16. Main clinical symptoms, radiological signs, treatment of sarcoidosis.
17. Differential diagnosis of a cavity in the lungs.
18. Causes, clinic, diagnosis, principles of therapeutic treatment of lung abscess, indications for surgical treatment.
19. Diagnostic signs and differential diagnosis of lung gangrene.
20. Criteria for the diagnosis of bronchiectasis and bronchiectasis.
21. Differential diagnosis of a "round" shadow on the radiograph of the lungs.
22. The choice of antibiotic for the treatment of nosocomial pneumonia.
23. Principles of rational antibiotic therapy.
24. Definition of coronary heart disease, stable angina pectoris, spontaneous angina pectoris, painless myocardial ischemia.

25. Classification, definition of the functional class of angina pectoris, methods and principles for diagnosing angina pectoris, painless myocardial ischemia.
26. Main groups of drugs for the treatment of stable angina, vasospastic angina.
27. Definition, classification, main clinical manifestations of ACS.
28. Groups of drugs, the appointment of which is necessary for ACS, indications and contraindications for their use, the main indications for invasive methods of diagnosis and treatment of ACS.
29. Definition, classification, clinic and complications of MI.
30. Characteristics of atypical forms of MI.
31. Classification, pathogenesis of development, algorithm for the treatment of cardiogenic shock in MI.
32. Principles of cupping ALVF.
33. Basic mechanisms of development, clinical manifestations, diagnosis and principles of treatment of Dressler's syndrome.
34. Definition, classification, principles of treatment of arterial hypertension.
35. Clinic, methods of diagnosis and treatment of pheochromocytoma.
36. Clinic, methods of diagnosis and treatment of hyperaldosteronism.
37. Clinic, methods of diagnosis and treatment of Cushing's disease.
38. Definition, classification of arrhythmias, basic methods for diagnosing cardiac arrhythmias.
39. Indications for emergency cardioversion in tachyarrhythmia.
40. Algorithm of urgent measures for paroxysmal tachycardia.
41. Indications for the use of catheter radiofrequency ablation in arrhythmias.
42. Classification of antiarrhythmic drugs, main side effects.
43. General principles for the selection of antiarrhythmic drugs.
44. Definition, risk factors for SCD.
45. The volume of resuscitation measures for ventricular fibrillation or ventricular tachycardia without a pulse.
46. The volume of resuscitation in asystole.
47. Differential diagnosis of major heart diseases, manifested by chronic pain in the region of the heart.
48. Differential diagnosis of major non-cardiac diseases, manifested by chronic pain in the region of the heart.
49. Differential diagnosis of acute pain syndrome in the region of the heart.
50. Definition, causes, clinic, diagnosis, principles of treatment of myocarditis.
51. Definition, classification, characteristics of various types of cardiomyopathies.
52. Arrhythmogenic dysplasia of the right ventricle: clinic, diagnosis, principles of therapy.
53. Hypertrophic cardiomyopathy: clinic, diagnosis, principles of therapy.
54. Differential diagnosis of secondary cardiomyopathies.
55. Clinical syndromes in endocardial lesions.
56. Algorithm for differential diagnosis in the presence of symptoms of endocardial damage.
57. Main causes, pathogenesis, classification of CHF.
58. Algorithms for the treatment of CHF.

59. Definition, clinic, diagnosis of rheumatoid arthritis.
60. Algorithm for prescribing basic drugs for rheumatoid arthritis.
61. Definition, risk factors, clinic, diagnosis and principles of osteoarthritis therapy.
62. Spondyloarthritis: main diseases, common features, features of articular syndrome in various nosological forms.
63. The main classes of drugs used to treat spondyloarthritis.
64. Diagnostic algorithm for psoriatic arthritis, approaches to treatment.
65. Definition of reactive arthritis, causes, clinic, diagnosis, principles of treatment.
66. Definition, risk factors, mechanisms of development, diagnosis and principles of treatment of gout.
67. Variants of renal pathology in gout.
68. Clinical picture of acute gouty attack, chronic gouty arthritis, basic principles of therapy
69. Definition of calcium pyrophosphate dihydrate crystal deposition disease (PCDD), clinical types of the disease, main diagnostic methods, principles of PCDD treatment.
70. Hydroxyapatite arthropathy: clinic, diagnosis, treatment.
71. Osteoporosis: pathogenetic mechanisms, risk factors, diagnostic methods, principles of treatment.
72. Skin manifestations characteristic of SLE, SS, DM, systemic vasculitis.
73. Muscle syndrome in DM/PM, differential diagnosis with other muscle pathology.
74. Variants of kidney damage in systemic pathology.
75. Plan for examining a patient with SLE.
76. The main hematological syndromes characteristic of MCTS and SV.
77. Immunological diagnosis of MCTD and SV.
78. Sjögren's syndrome: clinic, diagnosis, principles of treatment.
79. Lung damage in systemic vasculitis.
80. Goals of therapy for systemic connective tissue diseases and systemic vasculitis, main stages of treatment.
81. The main groups of drugs used for the pathogenetic treatment of systemic connective tissue diseases and systemic vasculitis.
82. Name the mechanisms of action, indications, contraindications, adverse reactions, regimens for the use of corticosteroids and cytostatic drugs in the treatment of systemic connective tissue diseases and systemic vasculitis, symptomatic therapy, indications and regimens for the use of plasmapheresis.
83. Definition, clinic, diagnosis and principles of treatment of nephrotic syndrome.
84. Criteria for the diagnosis of acute glomerulonephritis, principles of patient management.
85. Features of the course of various forms of chronic glomerulonephritis.
86. Tubulointerstitial nephritis: clinic, diagnosis, treatment.
87. The role of needle biopsy in determining the tactics of treatment and prognosis of patients with kidney disease.
88. Pyelonephritis: definition, etiology, clinic, diagnosis, treatment.

89. Differential diagnosis of pyelonephritis and glomerulonephritis.
90. Renal amyloidosis: causes, clinic, diagnosis, treatment.
91. Definition, classification, risk factors for CKD.
92. Renoprotective strategies in the management of patients with CKD.
93. Differential diagnosis of edematous syndrome.
94. Kidney damage in diabetes mellitus: options, principles of diagnosis and treatment.
95. Kidney damage in multiple myeloma: options, principles of diagnosis and treatment.
96. Etiopathogenesis of chronic viral hepatitis, alcoholic and non-alcoholic steatohepatitis.
97. Features of clinical manifestations of chronic hepatitis, algorithm of differential diagnostic search.
98. Principles of differentiated therapy of chronic hepatitis and non-alcoholic steatohepatitis.
99. Main etiological factors, pathogenesis of liver cirrhosis formation.
100. Differential diagnosis of liver cirrhosis of various etiologies.
101. Differentiated treatment of liver cirrhosis.
102. Features of therapy of hereditary hemochromatosis and Wilson-Konovalov's disease.
103. Indications and contraindications for liver transplantation.
104. Diagnostic search algorithm for jaundice and hepatosplenomegaly.
105. Etiological classification of CP according to TIGAR-O, diagnostic criteria, differential diagnosis, principles of treatment of CP.
106. The program of examination of patients with lesions of the pancreas.
107. Indications for correction of nutritional status disorders in chronic pancreatic pathology.
108. Crohn's disease: etiology, pathogenesis, clinic, diagnosis, principles of treatment.
109. Ulcerative colitis: etiology, pathogenesis, clinic, diagnosis, principles of treatment.
110. Differential diagnosis of anemia
111. Differentiated treatment of anemia.
112. Leukemoid reaction: definition, varieties, diagnosis, medical tactics.
113. Hemoblastosis: types, clinical manifestations, principles of diagnosis and treatment.
114. Hemorrhagic diathesis: definition, classification, main clinical syndromes.
115. Principles of diagnosis, treatment and prevention of bleeding in hemophilia.
116. Willebrand's disease: clinic, diagnosis, treatment.
117. Thrombocytopenia: main causes, pathogenetic mechanisms, diagnosis and differential diagnosis.
118. Hemorrhagic vasculitis: diagnostic criteria, clinic, principles of treatment.
119. Antigens and antibodies of the ABO system, variants of combinations and significance in transfusion practice.

120. Rh system, antigens, antibodies, its significance in the practice of blood transfusion.

121. Rules of the technical order for blood transfusion.

122. Absolute and relative indications and contraindications for blood transfusion.

123. Observation of the patient during and after hemotransfusion. Complications.

Doctor's actions in case of incompatibility of blood and its components during transfusion.