

The Outline of the Exam Requirements in Internal Medicine After the IXth Term For English-Speaking Students in the Academic Year 2011/2012

I. Cardiology:

1. Special test and procedures in cardiology
2. Heart arrest and principles of cardiopulmonary resuscitation
3. Shock
4. Acute congestive heart failure
5. Acute pulmonary heart disease (right heart failure)
6. Chronic congestive heart failure
7. Chronic pulmonary heart disease (right heart failure)
8. Arrhythmias (definition, mechanisms, classification and the clinical manifestation)
9. Bradyarrhythmias
10. Tachyarrhythmias
11. Primary hypertension
12. Secondary hypertension
13. Therapy of arterial hypertension
14. Ischemic heart disease (etiology, pathogenesis, classification)
15. Chronical forms of ischemic heart disease (clinical manifestation and therapy)
16. Angina pectoris
17. Acute myocardial infarction and its complications
18. Therapy of myocardial infarction
19. Congenital heart disease in adults
20. Mitral stenosis and mitral regurgitation
21. Aortic stenosis and aortic regurgitation
22. Endocarditis
23. Myocarditis
24. Cardiomyopathies
25. Pericarditis
26. Pulmonary embolism and thromboembolic disease
27. Pulmonary hypertension (primary, secondary, chronic cor pulmonale)
28. Aortic disease
29. Peripheral vascular disease
30. Peripheral venous and lymphatic vessels diseases

II. Pneumology

31. Special test and procedures in pneumology
32. Tracheobronchitis and small airways disease
33. Bacterial pneumonia
34. Atypical, mycotic, parasitic and non-infective pneumonias
35. Therapy of pneumonia
36. Lung tuberculosis
37. Chronic obstructive pulmonary disease, bronchiectasis
38. Asthma bronchiale
39. Respiratory failure and hypoventilation syndromes
40. Sarcoidosis
41. Pulmonary fibrosis (cryptogenic fibrotising alveolitis, secondary lung fibrosis and professional pneumoconioses)
42. Lung tumor (benign, malignant, secondary).

- 43. Pleural diseases (effusions, pneumothorax, empyema)
- 44. Tumors of the pleura and mediastinum

III. Gastroenterology

- 45. Special test and procedures in gastroenterology
- 46. Obstructive diseases of the esophagus (incl. tumors)
- 47. Motility disorders of the esophagus, diverticles, hernias, inflammation of the esophagus
- 48. Gastric dyspepsia, chronic and acute gastritis and gastropathy
- 49. Peptic ulcer disease of the stomach and duodenum
- 50. Gastric tumors
- 51. Upper and lower GIT bleeding
- 52. Malabsorption syndromes
- 53. Inflammatory bowel disease (ulcerative colitis and Crohn's disease) and other rare colitis
- 54. Colon diverticulosis, megacolon, colon irritabile
- 55. Tumors of the colon and the rectum
- 56. Acute pancreatitis
- 57. Chronic pancreatitis
- 58. Tumors of the pancreas
- 59. Special test and procedures in liver, gallbladder, biliary tract and pancreas disease
- 60. Jaundice, pathogenesis and clinical classification
- 61. Portal hypertension and ascites
- 62. Hepatic failure (liver insufficiency and hepatorenal syndrome)
- 63. Chronic hepatitis and granulomatous liver disease
- 64. Cirrhosis of the liver incl. primary biliary cirrhosis
- 65. Alcoholic hepatopathy (alcoholic steatosis, hepatitis and cirrhosis)
- 66. Toxic and drug liver damage, hemochromatosis, Wilson's disease, porphyria and liver disorders in pregnancy (HELP syndrome)
- 67. Tumors of the liver, gallbladder and biliar ways
- 68. Gallstones and choledocholithiasis, cholecystitis and cholangitis
- 69. Postcholecystectomy syndrome, stenosis of the Vater's ampula and the disorders of the biliar ways motility

IV. Metabolic and nutrition disorders

- 70. Acid-base status disorders and therapy
- 71. Fluid and electrolyte disorders
- 72. Metabolic bone disease
- 73. Porphyria
- 74. Purine metabolism disorders
- 75. Malnutrition and parenteral nutrition
- 76. Vitamin deficiency disorders
- 77. Obesity
- 78. Atherosclerosis and hyperlipoproteinemia (diagnostic and classification and therapy)
- 79. Diabetes mellitus (pathophysiology, diagnosis and classification)
- 80. Therapy of diabetes mellitus
- 81. Acute complications of diabetes mellitus (diagnosis and therapy)
- 82. Chronic complications of diabetes mellitus
- 83. Amyloidosis

V. Rheumatology and immunology

- 84. Special test and procedures in rheumatology

85. Rheumatoid arthritis, juvenil chronic arthritis
86. Systemic lupus erythematosus
87. Systemic sclerosis and Sjögren's syndrome
88. Polymyositis and dermatomyositis
89. Vasculitides
90. Spondylarthritis (reactive arthritis, ankylosing spondylarthritis, psoriatic and enteropatic spondylarthritis)
91. Osteoarthritis
92. Infective arthritides, paraneoplastic musculoskeletal disease, arthropathy in endocrine disease
93. Soft tissue rheumatisms
94. Rheumatic fever
95. Primary and secondary immunodeficiency
96. Chronic fatigue syndrome

VI. Heamatology

97. Special test and procedures in heamatology
98. Diseases of the heamopoietic stem cells (aplastic pancytopenia and paroxysmal nocturnal hemoglobinuria)
99. Anemia in iron defficiency, with iron overload and of the chronic diseases
100. Anemia in B12 and folic acid defficiency
101. Anemia in the increase erythrocytes destruction (congenital and acquired hemolytic anemias, hemoglobipathies)
102. Primary polycytemia and the secondary polyglobulia
103. Acute leukemias
104. Myelodysplastic syndrome
105. Primary myelofibrosis and essential thrombocytopenia
106. Chronic myelogenous leukemia
107. Chronic lymphocytic leukemia and hairy cell leukemia
108. Hodgkin's disease
109. Non-Hodgkin's lymphoma
110. Monoclonal gammopathies
111. Bleeding disorders in vascular disorders (vascular purpuras)
112. Bleeding disorders in platelet disorders
113. Bleeding disorders in coagulopathies
114. Disseminated intravascular coagulation and thrombophilic disorders
115. Supportive treatment in heamatooncology, transplantation of heamopoietic cells (autologic and alogenic)
116. Organisation of the transfusiology, therapy with blood products
117. Principles of the blood transfusion, hazards of blood transfusion

VII. Nephrology

118. Special test and procedures in nephrology
119. Congenital renal disease (polycystic kidney, congenital metabolic disorders and congenital glomerulonephritis)
120. Nephrotic syndrome
121. Acute glomerulonephritis and rapidly progresive glomerulonephritis
122. Chronic glomerulonephritis
123. Secondary glomerulopathies (diabetic nephropathy, amyloidosis, kidney involvelment in systemic connective tissue diseases)

124. Infection of the urine tract and acute interstitial nephritis (acute pyelonephritis)
125. Chronic tubulo-interstitial nephritis and tubular disorders
126. Urolithiasis
127. Tumors of kidney and urine tract
128. Kidneys and hypertension
129. Acute renal failure
130. Chronic renal failure
131. Hemodialysis, peritoneal dialysis, continual methods, hemoperfusion, plasmapheresis)
132. Renal transplantation

VIII. Endocrinology

133. Hypothalamic hyperfunction and hypofunction syndromes
134. Diseases of pituitary gland (hypopituitarism and expansive processes of the pituitary)
135. Hyperthyreosis
136. Hypothyreosis
137. Goiter and thyroiditis
138. Tumors of the thyroid gland
139. Parathyroid disease
140. Adrenocortical hyperfunction
141. Adrenocortical hypofunction
142. Adrenal medullary disease
143. Endocrine active tumors of the GIT