

Questions for State Rigorous Examination in Internal Medicine after the XIth and XIIth Term for English-Speaking Students in the Academic Year 2021/2022 (fixed combinations)

1. Circulatory arrest and cardiopulmonary resuscitation
Hyperthyreosis
Systemic lupus erythematosus and antiphospholipid syndrome
Diff. dg. of hepatomegaly
2. Cardiogenic shock
Chronic obstructive pulmonary disease
Anemia of chronic diseases
Diff. dg. of proteinuria
3. Acute heart failure
Malnutrition, vitamins and trace elements deficiency disorders
Myelodysplastic syndrome
Diff. dg. of cough and haemoptysis
4. Chronic heart failure
Cholecystolithiasis and choledocholithiasis, cholecystitis and cholangitis
Iron deficiency anemia
Examination methods in rheumatology
5. Cardiac pacing, implantable defibrillators
Respiratory insufficiency, classification, diagnosis, therapy
Small vessel vasculitis
Diff. dg. of hematuria
6. Sick sinus syndrome; irritable carotid syndrome
Anemia from lack of vitamin B12 and folic acid
Hereditary kidney diseases (polycystic disease of autosomal dominant type, type IV collagen diseases, renal tubular acidosis)
Examination methods in liver diseases
7. Atrioventricular blocks
Viral lung infections; Bacterial pneumonia and lung abscess; Ventilator-associated pneumonia
Esophageal motility disorders, esophagus diverticulum and inflammation of the esophagus, hiatal hernias
Diff. dg. of joint pain and swelling
8. Supraventricular tachycardia (excluding atrial fibrillation and flutter, atrial tachycardia)
Gastric dyspepsia, acute and chronic gastritis and gastropathy
Disorders of acid-base balance and hydration, their treatment
Examination methods in hematology
9. Ventricular arrhythmias
Peptic ulcer disease of stomach and duodenum
Diabetes insipidus
Examination methods in nephrology
10. Syncope
Diabetes mellitus (pathophysiology, diagnostics and classification)
Soft tissue rheumatism
Diff. dg. of splenomegaly

11. Essential hypertension
Idiopathic proctocolitis, Crohn's disease and less common colitis
Acute glomerulonephritis and rapidly progressive glomerulonephritis
Diff. dg. disorders of consciousness
12. Secondary hypertension
Hepatic failure (hepatic encephalopathy and hepatorenal syndrome)
Parathyroid diseases
Diff. dg. of dyspnea
13. Diseases of the venous system
Portal hypertension and ascites
Hemolytic anemia (hereditary and acquired hemolytic anemia)
Examination methods in endocrinology
14. Atherosclerosis and its risk factors
Stomach tumors
Acute leukemia
Tuberculosis; Non-tuberculous mycobacteriosis
15. Ischemic heart disease (etiology, pathogenesis, classification)
Chronic hepatitis and hepatic granulomatous processes
Kidneys and hypertension, vascular diseases of the kidneys
Bronchological methods and interventional pneumology, imaging methods in pneumology
16. Atrial fibrillation and flutter, atrial tachycardia
Bronchial asthma
Disorders of electrolyte management and its treatment
Diff. dg. of bleeding into the upper gastrointestinal tract
17. Acute myocardial infarction and its complications
Rheumatoid arthritis and juvenile idiopathic arthritis
Chronic myeloid leukemia
Diff. dg. of jaundice
18. Therapy of myocardial infarction
Tumors of the colon and the rectum
Hodgkin's lymphoma
Diff. dg. of back pain
19. Congenital heart diseases in adults
Malabsorption syndrome
Systemic scleroderma and Sjögren's syndrome
Diff. dg. of fever, fever of unknown origin
20. Mitral stenosis and mitral insufficiency
Irritable bowel syndrome, colon diverticulosis and megacolon
Ph-negative chronic myeloproliferative diseases
Diff. dg. of increased inflammatory markers (CRP, FW, procalcitonin, IL-6)
21. Aortic stenosis and aortic regurgitation
Metabolic bone diseases
Chronic lymphocytic leukemia and hairy cell leukemia
Diff. dg. of diarrhea

22. Endocarditis
 - Disorder of purine metabolism, gout and other arthritis-induced crystals
 - Urinary tract infections and acute interstitial nephritis (acute pyelonephritis)
 - Diff. dg. of constipation
23. Myocarditis
 - Acute pancreatitis
 - Large vessels vasculitis
 - Diff. dg. of edema
24. Cardiomyopathies
 - Thrombophilias (congenital and acquired)
 - Goiter and inflammation of the thyroid gland
 - Diff. dg. of abdominal pain
25. Pericarditis
 - Tumors of the liver, gallbladder and bile ducts
 - Nephrotic syndrome
 - Diff. dg. of obesity
26. Influenza, COVID-1 infection
 - Therapy of diabetes mellitus
 - Idiopathic myositis (dermatomyositis, polymyositis)
 - Diff. dg. of polyglobulia
27. Pulmonary embolism and thromboembolic disease
 - Chronic glomerulonephritis
 - Multiple myeloma and monoclonal gammopathy of unclear significance
 - Diff. dg. of weight loss
28. Pulmonary hypertension (primary, secondary, chronic cor pulmonale, chronicum)
 - Acute viral hepatitis (A to E types and other viral infections)
 - Bleeding from platelet reasons, microangiopathic syndromes
 - Opportunistic lung infections in immune-compromised patients
29. Biological treatment in pneumology
 - AL amyloidosis
 - Secondary glomerulopathy (diabetic nephropathy, renal amyloidosis, renal involvement in systemic connective tissue diseases)
 - Anticoagulant therapy - basic principles, preparation for surgical procedures in patients on anticoagulant therapies
30. Atherosclerotic peripheral arterial disease
 - Pathogenesis of jaundice and its clinical types
 - Spondyloarthritis (axial spondyloarthritis, psoriatic arthritis, reactive arthritis, enteropathic spondyloarthritis)
 - Diff. dg. of increased bleeding
31. Tobacco smoking, risks, therapy, prevention
 - Chronic pancreatitis
 - Rheumatic fever
 - Principles of effective hemotherapy, risks of transfusion therapy
32. Malignant tumors of the lungs and bronchi
 - Hepatic cirrhosis, including primary biliary cirrhosis
 - Hypopituitarism
 - Transfusion of blood and blood products, post-transfusion reactions

33. Physical examination in cardiology
Bronchiectasis, cystic fibrosis
Acute complications of diabetes mellitus (diagnostics and therapy)
Extracorporeal hemodialysis, peritoneal dialysis, continual methods, hemoperfusion, plasmapheresis
34. Idiopathic interstitial pneumonia; Hypersensitivity pneumonia; Systemic connective tissue disorders with lung involvement
Alcoholic hepatopathy (alcoholic steatosis, hepatitis and cirrhosis)
Acute kidney injury
Diff. dg. of chest pain
35. Alveolar haemorrhage and rare infiltrative diseases; Eosinophilic lung disease;
Lymphangioleiomyomatosis; Drug-induced lung involvement
Tumors of the pancreas
Febrile neutropenia, sepsis and septic shock in haemato-oncology patients
Non-invasive examination methods in cardiology
36. Occupational lung diseases, environmental and external factors of lung disease
Chronic complications of diabetes mellitus
Tumors of the thyroid gland
Diff. dg. of ECG changes
37. Diseases of the pleura and mediastinum - effusion; chylothorax, hemothorax, fibrothorax
Hyperlipoproteinemias and dyslipoproteinemias (diagnosis, classification and therapy)
Chronic tubulointerstitial nephritis and tubular disorders
Diff. dg. of leukocytosis and leukopenia
38. Stable angina pectoris
Pleural and mediastinal diseases - Pleural tumors; Mediastinal tumors and cysts; Pneumomediastinum and mediastinitis
Metabolic syndrome
Diff. dg. of anemias
39. Pneumothorax - diagnosis and therapy
Endocrine active tumors of the gastrointestinal tract
Chronic kidney diseases and chronic renal failure
Diff. dg. of cutaneous and mucosal manifestations of internal diseases
40. Sleep-related breathing disorders
Infectious arthritis
Hypophyseal hyperfunction
Diff. dg. of lower GI tract bleeding
41. Therapy of respiratory failure
Adrenal medullary diseases
Renal transplantation
Diff. dg. of swallowing disorders
42. Inflammation of the lower respiratory tract (laryngitis, tracheitis, bronchitis, bronchiolitis) and bronchiectasis
Primary and secondary immunodeficiency
Adrenocortical hypofunction
Examination methods of GI tract

43. Diseases of aorta
Lung transplantation
Adrenocortical hyperfunction
Examination methods of the gallbladder, the biliary tract and the pancreas
44. Functional tests and exercise cardiopulmonary tests in pneumology
Toxic and drug-induced liver damage, hemochromatosis, Wilson's disease, porphyria and liver disorders in pregnancy (including HELLP syndrome)
Non-Hodgkin's lymphomas
Diff. dg. of ocular changes in internal diseases
45. Sarcoidosis
Esophageal diseases
Urolithiasis
Diff.dg. of heart rhythm disorders
46. Invasive and non-invasive lung ventilation
Bleeding from the lack of plasma factors (congenital and acquired coagulopathies)
Renal and urinary tract neoplasia
Invasive examination methods in cardiology
47. Unstable angina pectoris
Hypothyreosis
Postcholecystectomy syndrome, – sphincter Oddi dysfunction and the biliary tract dysmotility
Diff. dg. of lymph nodes enlargement (lymphadenopathies)