

**The list of practical skills for the state exam
in internal medicine for 6th year general practitioner students
OF FACULTY ON GENERAL MEDICINE FOR OVERSEAS STUDENTS**

Chair of Internal Disease №1 with a course of endocrinology and hematology

1. To collect anamnesis of the disease.
2. To conduct an external examination of the patient.
3. To perform comparative and topographical percussion of the lungs, to determine voice trembling.
4. To conduct auscultation of lungs, define bronchophony.
5. To palpate the apical and the heart impulse.
6. To determine borders of relative and absolute dullness of the heart.
7. To be able to identify the major auscultation signs at the acquired mitral heart disease.
8. To identify the main auscultatory diagnostic criteria for the most common congenital heart defects.
9. To determine the pulse deficit in atrial fibrillation.
10. To conduct auscultation of the aorta and peripheral arteries (carotid, femoral, renal).
11. To palpate the pulse on peripheral arteries (popliteal, dorsal pedis artery, radial artery).
12. To measure blood pressure by the Korotkov method.
13. To carry out inspection and palpation of the abdomen.
14. To conduct percussion and palpation of the liver and spleen.
15. To determine the amount of active and passive movements in the joints and to evaluate the results of arthrogram.
16. To palpate the thyroid gland.
17. To hold somatometry (measurement of height, chest capacity, weight).
18. To interpret coagulogram and other laboratory tests.
19. To determine blood group, count of erythrocytes, leukocytes and hemoglobin in peripheral blood.
20. To know the methods of transfusion of blood components.
21. To interpret X-ray chest.
22. To interpret normal ECG
23. To interpret ECG at:
 - myocardial infarction;
 - paroxysmal tachycardias
 - atrial fibrillation;
 - AV – blockade;
 - bundle branch block;
 - extrasystole;
 - the syndrome of premature excitation of the ventricles;
 - hypertrophy of the heart.

24. To know the technique and evaluate the data of secretory function of the stomach.
25. To know the technique and evaluate the data of duodenal sounding.
26. To evaluate the data of radioisotope research and ultrasound examination of abdominal cavity and kidneys.
27. To know technique and be able to interpret functional tests in the diagnostics of internal organs diseases.
28. To evaluate the data of spirometry and pneumotachometry.
29. To know the methods and interpret the data of sternal puncture, trepanobiopsy
30. To make case history of incoming and discharged patients.
31. Emergency treatment of the myocardial infarction.
32. Emergency treatment of the cardiogenic shock.
33. Electrical defibrillation.
34. Emergency treatment of the cardiac asthma and pulmonary edema.
35. Emergency treatment of the hypertensive crisis.
36. Emergency treatment of the hypotonic and vegetative-vascular crises.
37. Emergency treatment of the paroxysms of tachycardia, atrial flutter and atrial fibrillation.
38. Emergency treatment of the sick sinus syndrome and syndrome Edemsa Morgagni-Stokes.
39. Emergency treatment of the cardiac tamponade. Pericardiocentesis.
40. Emergency treatment of the asthma attacks and asthma status.
41. Emergency treatment of the spontaneous pneumothorax.
42. Emergency treatment of the pulmonary embolism.
43. Emergency treatment of the acute respiratory failure.
44. Emergency treatment of the profuse diarrhea, uncontrollable vomiting, dehydration, coma chloropenicheskaya.
45. Emergency treatment of the biliary colic.
46. Emergency treatment of the acute pancreatitis.
47. Emergency treatment of the hepatic coma.
48. Emergency treatment of the bleeding from the gastrointestinal tract.
49. Emergency treatment of the renal colic.
50. Emergency treatment of the acute renal failure and uremic coma.
51. Emergency treatment of the hemolytic crisis.
52. Emergency treatment of the blast crisis.
53. Emergency treatment of the hemorrhagic diathesis.
54. Emergency treatment of the hemorrhagic shock.
55. Emergency treatment of the septic shock.
56. Emergency treatment of the anaphylactic shock and angioedema.
57. Transfusion of blood, its components and blood products: indications, contraindications, medical tactic.
58. Functional tests in the diagnosis of coronary artery disease (technique and interpretation).

59. Interpretation of coagulation and other laboratory tests in cardiology.
60. Pleural puncture: technique, indications, contraindications.
61. Bronchoscopy, bronchography: the technique, indications, contraindications.
62. X-ray chest, spirometry: technique, indications, contraindications.
63. Gastric lavage: technique, indications, contraindications.
64. Study of gastric secretory function.
65. Hemodialysis and ultrafiltration of blood: indications and contraindications.
66. Sternal puncture biopsy: technique, indications, contraindications.
67. Выписать рецепты лекарственных препаратов:
 - Glitserin trinitrate (nitroglycerin) (Table, caps., For injection)
 - Isosorbide mononitrate (Table, caps.)
 - Isosorbide dinitrate (Table, caps.)
 - Propranolol (Table)
 - Atenolol (Table)
 - Metoprolol (Table)
 - Bisoprolol (Table)
 - Carvedilol (Table, caps.)
 - Verapamil (Table, caps., For injection)
 - Amlodipine (Table)
 - Nifedipine (Table)
 - Procainamide (procainamide) (for injection)
 - Lidocaine (for injection)
 - Amiodarone (Table, for injection)
 - Sotalol (Table)
 - Dopamine (for injection)
 - Epinephrine (adrenaline) (for injection)
 - Strofantin (for injection)
 - Digoxin (Table for injection)
 - Captopril (Table)
 - Enalapril (Table)
 - Lisinopril (Table)
 - Fosinopril (Table)
 - Ramipril (Table)
 - Losartan (Table)
 - Trimetazidine (Table)
 - Furosemide (Table for injection)
 - Indapamide (Table)
 - Hydrochlorothiazide (Table)
 - Spironalaktone (veroshpiron) (Table, caps.)
 - Clonidine (clonidine) (Table, for injection)
 - Morphine (for injection)
 - Tramadol (Table, caps., For injection)
 - Heparin (for injection)
 - Enoxaparin (Clexane) (for injection)

- Warfarin (Table)
- Streptokinase (lyophilized powder for solution for injection, infusion)
- Alteplase (Micardis) (lyophilized powder for solution for injection, infusion)
- Pentoxifylline (Trental) (Table, caps.)
- Dipyridamole (chimes) (Table)
- Clopidogrel (Plavix) (Table)
- Simvastatin (Table)
- Lovastatin (Table)
- Atorvastatin (Table)
- Indomethacin (Table ointment, gel)
- Acetylsalicylic acid (aspirin) (Table)
- Diclofenac (sodium salt) (Table, caps., Gel for injection)
- Ibuprofen (Table)
- Meloxicam (Table for injection)
- Nimesulide (Table powders)
- Paracetamol (Table)
- Hydroxychloroquine (Table)
- Methotrexate (Table)
- Azathioprine (Table)
- Cyclophosphamide (Table, for injection)
- Leflunomide (Table)
- Sulfasalazine (Table)
- Penicillamine (Table)
- Allopurinol (Table)
- Chondroitin sulfate (kaps. for injection)
- Alendronate (Table)
- Prednisolone (Table for injection)
- Methylprednisolone (Table for injection)
- Dexamethasone (Table for injection)
- Atropine Sulfate (for injection)
- Aminophylline (Table for injection)
- Drotaverinum (Nospanum) (Table, for injection)
- Papaverine (for injection)
- Metoklopromid (Table for injection)
- Multienzymy comprising amylase, lipase, protease (pancreatin) (Table)
- Ursodeoxycholic acid (ursosan, ursokaps) (kaps.)
- Lactulose (Duphalac) (syrup)
- Ademetionine (Table, for injection)
- Essential phospholipids (essentiale H) (kaps.)
- Omeprazole (kaps.)
- Ranitidine (Table for injection)
- Famotidine (Table)
- Loperamide (kaps.)
- Folic acid (Table)

- Ferrous sulfate (tardiferon, ferrogradument) (Table)
- Tocopherol acetate (kaps.)
- Cyanocobalamin (for injection)
- Etamsylate (Table for injection)
- Aminocaproic acid (for injection)
- Amoxicillin (kaps., table).
- Ampicillin (Table for injection)
- Amoxicillin / clavulanic acid (for injection, infusion, Table).
- Ceftriaxone (for injection)
- Cefotaxime (for injection)
- Cefepime (for injection)
- Amikacin (for injection)
- Ciprofloxacin (Table, caps., For injection)
- Ofloxacin (infusion, Table., Caps.)
- Levofloxacin (Table, caps.)
- Meropenem (for injection)
- Nitroxoline (Table)
- Metronidazole (for infusion, Table.,)
- Azithromycin (Table, caps.)
- Clarithromycin (Table)