

The Questionnaire of the State Examination in Cardiology Department of Cardiology of the Faculty of
General Medicine 2025/2026 academic year

FACULTY OF GENERAL MEDICINE, DEPARTMENT OF CARDIOLOGY
STATE EXAMINATION QUESTIONNAIRE FOR 2024/2025 ACADEMIC YEAR

1. Ventricular extrasystole, Lown classification. ECG diagnosis, evaluation of risk according to the types of extrasystoles.
2. Ventricular tachycardia, types. Prevention and Treatment.
3. Atrial fibrillation, types. ECG diagnosis, complications.
4. I, II, III degree atrioventricular (AV) blocks. ECG diagnosis.
5. Sinoatrial blocks, types.
6. Bradyarrhythmia, ECG diagnostics, management.
7. Complete blocks of the left and right bundle branches of His, ECG diagnostics, management.
8. Chronic heart failure, classification, clinical symptoms, diagnosis.
9. Pharmacological treatment of chronic heart failure.
10. Cardiac arrest. Urgent procedures. Cardiopulmonary resuscitation (CPR). Evaluation of clinical condition. Indications for urgent procedure approaches.
11. Stable coronary artery disease. Angina pectoris. Etiology, pathogenesis, classification, clinical presentation.
12. Chest pain characteristics of angina, ECG and stress-ECG diagnosis of angina.
13. Classification of antianginal drugs. Contemporary treatment approaches of coronary artery disease.
14. Acute myocardial infarction. Etiology, pathogenesis.
15. Acute myocardial infarction. Classification, clinical presentation (typical and atypical forms).
16. STEMI and non-STEMI. ECG diagnosis of myocardial infarction, ECG patterns.
17. Treatment of non-complicated myocardial infarction. The approaches of urgent coronary angioplasty in STEMI and non-STEMI.
18. Complications of myocardial infarction: pulmonary edema and cardiogenic shock, treatment.
19. Arterial hypertension. Risk factors, pathogenesis, evaluation of risk.
20. Arterial hypertension. clinical presentation, complications, diagnosis.
21. Approaches of pharmacological treatment of arterial hypertension.
22. Renal symptomatic (secondary) arterial hypertension, differential diagnosis.
23. Endocrine symptomatic (secondary) arterial hypertension, differential diagnosis.
24. Atrial septal defect. Pathogenesis of abnormal hemodynamics.
25. Atrial septal defect. Clinical presentation, symptoms, diagnosis, treatment approaches.
26. Mitral valve stenosis. Hemodynamics, clinical presentation, complications.
27. Mitral valve insufficiency. Hemodynamics, clinical presentation.
28. Mitral valve insufficiency. Complications, treatment.

29. Aortic valve stenosis. Etiology. Hemodynamics. Clinical presentation, evaluation of severity, complications.
30. Treatment of aortic stenosis, surgery and transcatheter aortic valve implantation (TAVI).
31. Aortic valve insufficiency. Clinical presentation, complications, treatment.
32. Dilated cardiomyopathy. Morphology, pathophysiology, etiopathogenesis, types, clinical presentation, diagnosis, differential diagnosis, treatment.
33. Infective endocarditis. Etiology, pathogenesis, clinical presentation.
34. Infective endocarditis. Diagnostic criteria. Complications.
35. Infective endocarditis. Diagnosis, principles of pharmacological treatment, indications for surgical intervention, prevention.
36. Pulmonary artery thromboembolism. Etiopathogenesis.
37. Pulmonary artery thromboembolism. Clinical presentation. Treatment. Prevention.
38. Hypertrophic cardiomyopathy. Morphology, clinical presentation, diagnostic criteria, differential diagnosis.
39. Pericarditis. Etiology, pathogenesis, clinical types, diagnosis, treatment strategies.
40. Hypertensive crisis, principles of treatment.

Literature:

Harrison`s Internal Medicine 19th ed.,

Kanu Chatterjee 2013, first edition.

Number 17, 18, 19 theme provided from the Department of Cardiology.

Chairman of Cardiology Department



Professor, MD, PhD Sisakian H.S.