

**QUESTIONS FOR CREDIT IN “ACUTE CARDIAC CARE”
FOR THE 6th-YEAR STUDENTS OF THE MEDICAL FACULTY FOR
INTERNATIONAL STUDENTS**

1. Electrocardiography (ECG): method of registration, algorithm of interpretation. Holter monitoring: possibilities of the method, indications, interpretation.
2. Daily monitoring of blood pressure (BP): indications, interpretation.
3. Cardiac ultrasound (echocardiography): possibilities of the method, indications, interpretation. Transesophageal echocardiography: indications, contraindications.
4. Stress testing, types of stressors, indications and contraindications. Stress tests with ECG, evaluation criteria. Stress-echocardiography.
5. Single-photon emission computed tomography (SPECT) of myocardium, magnetic resonance imaging (MRI), positron emission tomography (PET).
6. Multispiral computed tomography with contrast of coronary arteries, indications, contraindications. Determination of indications for coronarography during stress testing.
7. Acute coronary syndrome: definition, diagnostic criteria, differential diagnosis.
8. Organisational tactics in acute coronary syndrome with and without ST-segment elevation at the pre-hospital stage and in hospital conditions, emergency medical care (differentiated approach), tactics of reperfusion therapy.
9. Indications for thrombolytic therapy in acute coronary syndrome with ST-segment elevation, evaluation of efficacy. The concept of ‘pharmacointerventional intervention’.
10. Myocardial infarction: definition, diagnostic criteria, classification, algorithm of diagnosis and treatment.
11. Complications of myocardial infarction: classification, diagnosis, treatment.
12. Pulmonary embolism (PE): etiology, pathogenesis, clinical manifestations, differential diagnosis.
13. Predisposing factors of venous thromboembolism. Use of pretest probability scales in the diagnosis of PE.
14. Assessment of the risk of death in PE.
15. Acute cor pulmonale, clinical picture, diagnostic methods, therapeutic tactics.
16. Determination of indications for thrombolytic therapy in PE. Anticoagulant therapy in PE.
17. Methods of aortic evaluation.
18. Acute aortic syndrome: definition, classification.
19. Acute aortic dissection: definition, clinical manifestation, diagnosis, treatment.
20. Intramural haematoma: pathogenesis, clinical manifestation, algorithm of diagnosis and treatment.

21. Penetration of atherosclerotic plaque, pathogenesis, diagnostic methods, treatment.
22. Cardiac tamponade: etiology, pathogenesis, clinical manifestations, diagnosis. Indications for pericardiocentesis.
23. Sudden cardiac death: etiology, basics of pathogenesis of cardiac arrest, risk factors. Medical care for circulatory arrest.
24. Cardiopulmonary resuscitation: assessment of effectiveness, errors in carrying out.
25. Differentiated approach to assessing the risk of sudden cardiac death in patients with various cardiovascular pathologies.
26. Complex of measures for primary and secondary prevention of sudden cardiac death in patients with coronary artery disease (CAD), chronic heart failure (CHF), cardiomyopathies.
27. Classification of arrhythmias. Pathogenesis of rhythm and conduction disorders. Diagnosis of arrhythmias.
28. Differential diagnosis of tachycardias with narrow and wide QRS complex.
29. Differential diagnosis of conduction disorders.