

“Approved”
Head of the department
Professor Yurii Karpenko

**Thematic plan of practical classes in the discipline "Actual problems of management of patients with cardiac pathology"
for the 2025-2026 academic year**

Day	Class	Topic №	Name of the topic	Hours
1.	I class 8.30 – 9.50	pr.1	Management of a patient with arterial hypertension. Differential diagnosis of arterial hypertension: essential and secondary. Risk stratification of cardiovascular complications and determination of prognosis. Drawing up an examination plan. Patient management tactics depending on the risk group.	2
	II class 10.00 – 11.20		Management of a patient with arterial hypertension. Principles of non-drug and drug treatment of arterial hypertension. Drugs of the first and second line of treatment. Modern recommendations on the choice of antihypertensive drugs. Existing standards of treatment. Monotherapy and combined therapy. Side effects of hypotensive agents.	2
	III class 11.30-12.50		Hypertensive crises, peculiarities of treatment tactics. Primary and secondary prevention.	2
2.	I class 8.30 – 9.50	pr.2	Management of a patient with cardiac pain. Differential diagnosis of angina pectoris and cardiac pain in diseases of the heart, respiratory, digestive, musculoskeletal system, etc. Drawing up an examination plan, additional laboratory and instrumental examination methods. Patient management tactics depending on the genesis of cardialgia.	2
	II class 10.00 – 11.20		Management of a patient with stable angina pectoris. Typical and atypical angina pectoris, diagnostic criteria. Drawing up an examination plan, additional laboratory and instrumental methods of examination (ECG with physical load, daily Holter monitoring, stress-Echo, coronary angiography). Tactics of managing patients depending on the functional class. Existing standards of treatment. Endovascular and surgical methods of treatment.	2
	III class 11.30-12.50		Management of a patient with painless myocardial ischemia. Risk of sudden coronary death. Drawing up an examination plan, additional laboratory and instrumental methods of examination (ECG with exercise, daily Holter monitoring, stress-Echo, coronary angiography). Patient management tactics.	2
3.	I class 8.30 – 9.50	pr.3	Management of a patient with acute coronary syndrome. The risk of myocardial infarction. Assistance at the pre-hospital and hospital stages. Drawing up an examination plan, additional laboratory and instrumental examination methods (biochemical markers, ECG with exercise, 24-hour Holter monitoring, stress-Echo, coronary angiography) and patient management tactics depending on ECG changes.	2
	II class 10.00 – 11.20		Existing standards of treatment of myocardial infarction.	2
	III class 11.30-12.50		Management of a patient with dyspnea. Differential diagnosis of shortness of breath and dyspnea. Drawing up an examination plan, additional laboratory and instrumental methods of examination (standard ECG and ECG with physical load, Echo, 24-hour Holter monitoring, chest X-ray, functional breathing tests). Patient management tactics depending on the genesis of shortness of breath. Non-drug, drug and surgical treatment.	2

4.	I class 8.30 – 9.50	pr.4	Management of a patient with heart murmurs. Differential diagnosis of functional and organic, systolic and diastolic murmurs. Drawing up an examination plan, additional instrumental methods of examination (x-ray of the lungs and heart, ECG, Echo-CG, coronary angiography). Patient management tactics depending on the cause of the heart murmur, the severity of cardiomegaly, the presence of heart failure and other complications. Non-drug, drug and surgical treatment.	2
	II class 10.00 – 11.20		Management of a patient with cardiomegaly. Differential diagnosis of cardiomegaly in heart defects, myocarditis, cardiomyopathies, coronary artery disease. Drawing up an examination plan, additional instrumental methods of examination (x-rays of the lungs and heart, ECG, Echo, coronary angiography). Patient management tactics. Non-drug, drug and surgical treatment.	2
	III class 11.30-12.50		Management of a patient with heart failure. Right ventricular, left ventricular and biventricular heart failure. Differential diagnosis depending on the leading cause. Drawing up an examination plan, additional instrumental methods of examination (x-ray of the lungs and heart, ECG, Echo-CG, coronary angiography). Patient management tactics depending on the genesis, functional class and stage of heart failure. Non-drug, drug and surgical treatment. Existing standards of treatment.	2
5.	I class 8.30 – 9.50	pr.5	Management of a patient with a heart rhythm disorder. Differential diagnosis of atrial and ventricular extrasystoles, atrial fibrillation, sinus node weakness and Wolff-Parkinson-White syndromes. Drawing up an examination plan, additional laboratory and instrumental examination methods (ECG, 24-hour Holter monitoring, Echo, electrophysiological examination).	2
	II class 10.00 – 11.20		Patient management tactics. The main classes of antiarrhythmic agents, indications for their use, side effects. Existing standards of treatment. Electroimpulse therapy. Surgical methods of treating arrhythmias.	2
	III class 11.30-12.50		Management of a patient with impaired cardiac conduction. Violations of atrioventricular conduction, AV blocks of various degrees. Frederick's syndrome. ECG diagnosis of bundle branch block. Patient management tactics, additional laboratory and instrumental examination methods. Drug treatment and cardiac stimulation. Artificial rhythm drivers.	2
CREDIT TEST*				

Head of educational part,
associate professor

O. V. Savelieva