

## Thematic plan of practical classes

"Anesthesiology, resuscitation, intensive care" for students of the main  
professional educational program of the specialist degree in the  
specialty 31.05.01 General Medicine,  
2024-2025 academic year

№	Topics	Hours
1.	Clinical anesthesiology. Local anesthetics and types of anesthesia.	2
	Clinical anesthesiology. Inhalation and intravenous anesthetics, classification, mechanism of action, complications.	2
	Clinical anesthesiology. Muscle relaxants. Classification, mechanism of action, complications.	2
2.	Cardiopulmonary resuscitation. Algorithm of emergency care for ventricular fibrillation.	2
	Cardiopulmonary resuscitation. Algorithm of emergency care for asystole.	2
	Practicing practical skills of cardiopulmonary resuscitation on a phantom	2
3.	Acute respiratory failure. Etiology, pathogenesis, clinical features. General principles of therapy. Oxygen therapy. Mechanical ventilation.	2
	Acute respiratory distress syndrome. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	COVID-19. Etiotropic and pathogenetic therapy. Respiratory support in severe ARF.	2
4.	Asthmatic status. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Pulmonary embolism. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Reperfusion therapy for ACS, PE and stroke.	2
5.	Acute coronary syndrome. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Pulmonary edema shock. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Cardiogenic shock. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
6.	Principles of treatment of paroxysmal tachyarrhythmia. Drug defibrillation of the heart. Indications for electropulse therapy.	2
	Help with bradyarrhythmia. Cardiac pacing. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Emergency care for hypertensive crises.	2
7.	Intensive care and resuscitation in septic shock. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Intensive care and resuscitation in anaphylactic shock. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Intensive care and resuscitation in hemorrhagic shock. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
8.	Comas. Etiology, pathogenesis, diagnostics. Undifferentiated therapy of	2

	comas.	
	Diabetic comas. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Acute cerebrovascular accident. Etiology, pathogenesis, clinical features, diagnostics, emergency care and intensive care.	2
	Итого	48

Reviewed at a meeting of the Department of Clinical Pharmacology and Intensive Care, protocol No. 10 dated May 27, 2024.

Заведующий кафедрой



В.И.Петров