

## Abstract of the work program of the discipline

### «ANESTHESIOLOGY, RESUSCITATION, INTENSIVE CARE. TRAINING SIMULATION COURSE 3»

The main professional educational program of higher education is the specialty program in the specialty 31.05.01 General Medicine, approved in 17.04.2024.

Form of study: full-time

The period of development: 6 years

Department: Anesthesiology, resuscitation and Intensive care

**1. The purpose of the discipline:** the development of theoretical knowledge and the acquisition of practical skills in the discipline "Basic cardiopulmonary resuscitation"

**2. The place of discipline in the structure of the General Educational Program:**

The discipline belongs to the basic part of Block 1 of the Federal State Educational Standard in the specialty 31.05.01 General Medicine.

**3. Requirements for the results of mastering the discipline:**

The study of this discipline is aimed at the formation of the following professional competencies (PC) among students: PC-11.

As a result of studying the discipline, the student must

**to know:** - the capabilities of a modern specialized anesthesiological and resuscitation service.

**be able to:** - recognize and determine the severity of the patient's condition, the victim;

- be able to identify the leading signs, symptoms and syndromes that determine the severity of the condition of the patient (victim).

**possess:** - possess the simplest methods of anesthesia when performing painful procedures and interventions;

- providing first aid to patients (injured) in case of emergency conditions;

- carrying out a complex of resuscitation measures in clinical death and terminal conditions.

**4. The total labor intensity of the discipline** is 3 credits, (108 hours).

**5. Semester:** XII

**6. The main sections of the discipline:**

1 Fundamentals of modern anesthesiology. Pain. Pathophysiology of pain. The simplest methods of anesthesia in the practice of intensive care and intensive care.

2. Acute respiratory failure.

3. Acute cardiovascular insufficiency.

4. Terminal states. Cardiopulmonary resuscitation. The algorithm of 2015.

5. Basic principles of infusion-transfusion therapy. Infusion-transfusion media.

6. Shock. Types of shock. Etiology, pathogenesis, clinic, intensive care.

7. Acute disorders of consciousness (fainting, delirium, stupor, coma). Intensive therapy of comatose states.

8. Resuscitation and intensive care in case of accidents (drowning, electric shock, hypothermia, heat stroke).

9. Acute poisoning.

10. Shock. Types of shock. Etiology, pathogenesis, clinic, intensive care.

11. Acute renal failure. Acute liver failure

12. Basic principles of infusion-transfusion therapy. Infusion-transfusion media

Head of the department. Anesthesiology, Reanimation and Intensive Care, MD, Professor

V. D. Slepshkin