

№ СТ0М-21 (ИИ)

## **Abstract of the working program of the discipline "General Surgery"**

Basic professional educational programs of higher education-specialty programs in the specialty 31.05.03 Dentistry approved on 17.04.2024.

Form of study: full-time

OBOR development period: 5 years

Department of Surgical Diseases No. 1

**1. Goal of the discipline:** mastering the academic discipline "General surgery, surgical diseases" consists in mastering knowledge in the field of general fundamentals of surgery, as well as the principles of treatment of surgical patients.

**2. Place of the discipline** in the structure of OOP: The discipline "general surgery" refers to the basic part of the program of Block 1 of the Federal State Educational Standard for Higher Education in the specialty 31.05.03-Dentistry.

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

The process of studying the discipline is aimed at the formation and development of competence:

ОПК-5, ОПК-6, ПК-1

Discipline achievement indicators:

IDOPC-1-5, IDOPC-2-5, IDOPC-3-5, IDOPC-3-5, IDOPC-4-5, IDOPC-1-6, IDPC-1-1, IDPC-2-1, IDPC-3-1, IDPC-4-1, IDPC-5-1, IDPC-6-1, IDPC-7-1.

As a result of studying the discipline, the student must:

**To know:** Methods of research of surgical patients and their role in the modern clinic of surgical diseases (general examination, examination of complaints and anamnesis, objective and instrumental studies, ultrasound scanning, X-ray diagnostics, laboratory research methods, CT, MRI). Methods of preparation of instruments and dressings for sterilization, types of sterilization hot and cold, types of laying of dressings, methods of treatment of the surgeon's hands, treatment of the operating field, types of antiseptics. Clinical manifestations of surgical diseases of infectious nature, methods of laboratory and instrumental diagnostics, principles of treatment, prevention of diseases. Anatomical and physiological features of the structure of various organs and tissues. Principles of comprehensive assessment of the clinical picture, physical examination data and laboratory research methods in the diagnosis of surgical diseases, methods of their prevention and treatment. Prevention of surgical

diseases. Clinic, diagnosis and treatment of various types of injuries government agencies.

**Be able to:** Conduct an external examination of the patient's surgical profile. Make a medical history and outpatient card of a surgical patient. Prepare the instruments and dressings for sterilization, prepare and place the dressings, treat the hands before the operation, and apply various types of antiseptics. To investigate the objective status of a surgical patient, to diagnose the most common surgical diseases and to carry out their prevention. Possess and know the methods of clinical examination of a surgical patient, palpation and percussion methods, and auscultation. Interpretation of the results of clinical and instrumental examinations. Performing basic medical and diagnostic manipulations. Performing basic medical and diagnostic manipulations. Master the techniques of treating the surgeon's hands, tools, apply types of antiseptics separately and in combination, perform tests to determine blood type and compatibility tests, choose a rational method of anesthesia, the ability to provide first aid, apply bandages to various areas of the body, the ability to recognize a disease caused by anaerobic microorganisms, etc. treatment of these patients, specific surgical infection and methods of its treatment. Conduct software research systematically, diagnose, prevent and treat identified surgical diseases, provide emergency care for acute conditions, provide first aid for penetrating wounds of the body cavities, and for various types of burns.

**Own:** Perform examination, medical history, palpation, percussion, and auscultation of the surgical patient. Interpretation of laboratory results. Methods of preparing instruments and dressings for surgery, preparing the patient for planned and emergency interventions, know the methods of antiseptics and their rational combination. Perform examination, medical history, palpation, percussion, and auscultation of the surgical patient. Measures for the prevention of surgical diseases. Making a preliminary diagnosis of common diseases and injuries. Making a decision on the subsequent medical tactics. General principles of treatment of various surgical diseases. To identify the connection of the general pathological process in the patient's body with the disease of the affected organ (tissue), give medical recommendations. General principles of treatment of the diagnosed disease. Providing first aid and deciding on subsequent medical tactics for inflammation, burns, blunt and penetrating injuries. By applying bandages.

**4. General labor intensity of the discipline** makes 3 credits (108 hours)

**5. Semester** 5,6

**Main sections of the discipline:**

1. Asepsis and antiseptics.
2. Bleeding.
3. Anesthesia.

4. Damage.
5. Surgical infection.
6. Circulatory disorders.
7. Clinical research methods.

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