

Annotation of the work program of the discipline "General Surgery"

The main professional educational program of higher education is a specialty program in the specialty 05.31.01 General medicine approved on 30.03.2022.

Full-time form of education

Term of mastering the main professional educational program: 6 years

Department of Surgical Diseases No. 1

1. The purpose of the discipline: mastering the academic discipline general surgery is to acquire knowledge in the field of general principles of surgery, as well as the principles of treatment of surgical patients.

2. The place of discipline in the structure of main educational program: The discipline "general surgery" is a discipline formed by the participants of educational relations of Block 1 of the Federal State Educational Standard of Higher Education in the direction of training 05.31.01 - General Medicine.

3. Requirements for the results of mastering the discipline.

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

PC-1, PC-3, PC-5, PC-6, PC-9, PC-10, GPC-4

As a result of studying the discipline, the student must

To know:

- Research methods of surgical patients and their role in the modern clinic of surgical diseases (general examination, study of complaints and anamnesis, objective and instrumental studies, ultrasound scanning, X-ray diagnostics, laboratory research methods, CT, MRI).
- Methods for preparing instruments and dressings for sterilization, types of hot and cold sterilization, types of laying dressings, methods of treating the surgeon's hands, treatment of the operating field, types of antiseptics.
- Clinical occurrence of surgical diseases of an infectious nature, methods of laboratory and instrumental diagnostics, principles of treatment, prevention of the occurrence of diseases.
- Anatomical and physiological features of the structure of various organs and tissues.
- Principles for a 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 the occurrence of surgical diseases. Clinic, diagnosis and treatment of injuries of various organs.

To be able to:

- Conduct an external examination of a patient with a surgical profile. To draw up a medical history and an outpatient card of a surgical patient.
- Prepare instruments and dressings for sterilization, prepare and lay dressings, treat hands before surgery, apply various types of antiseptics.
- Investigate the objective status of a surgical patient, diagnose the most common surgical diseases and carry out their prevention.

- Possess and know the methods of clinical examination of a surgical patient, methods of palpation and percussion, auscultation.
- Interpret of the results of clinical and instrumental examinations.
- Performing elementary medical and diagnostic manipulations.
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- Possess the techniques of handling the hands of a surgeon, instrumentation, apply the types of antiseptics separately and in combination, perform tests to determine the blood group and test for compatibility, the choice of a rational method of anesthesia, the ability to provide first aid, dressing on various areas of the body, the ability to recognize a disease caused by anaerobic microorganisms and the peculiarities of the treatment of these patients, specific surgical infection and methods of its treatment.
- Conduct systemic research, diagnose, carry out prevention and treatment of identified surgical diseases, provide emergency care in acute conditions, and provide first aid for penetrating wounds of body cavities, for various types of burns. the ability to provide first aid, dressing on various areas of the body, the ability to recognize a disease caused by anaerobic microorganisms and the peculiarities of the treatment of these patients, a specific surgical infection and methods of its treatment.
- Conduct systemic research, diagnose, carry out prevention and treatment of identified surgical diseases, provide emergency care in acute conditions, and provide first aid for penetrating wounds of body cavities, for various types of burns. the ability to provide first aid, dressing on various areas of the body, the ability to recognize a disease caused by anaerobic microorganisms and the peculiarities of the treatment of these patients, a specific surgical infection and methods of its treatment.
- Conduct systemic research, diagnose, carry out prevention and treatment of identified surgical diseases, provide emergency care in acute conditions, and provide first aid for penetrating wounds of body cavities, for various types of burns.

To possess such skills as:

- Conduct examination, collection of anamnesis, palpation, percussion, auscultation of a surgical patient.
- Interpretation of laboratory test results.
- Methods for preparing instruments and dressings for surgery, preparing a patient for planned and emergency interventions, knowing antiseptic methods and their rational combination.
- Conduct examination, collection of anamnesis, palpation, percussion, auscultation of a surgical patient.
- Measures for the prevention of surgical diseases.
- Making a preliminary diagnosis of common diseases and injuries.
- Deciding on the subsequent medical tactics.
- General principles of treatment of various surgical diseases.
- By identifying the connection between the general pathological process in the patient's body and the disease of the affected organ (tissue), give medical recommendations.
- General principles of treatment of a diagnosed disease.
- Providing first aid and deciding on the subsequent medical tactics for inflammation, burns, blunt and penetrating injuries.
- Bandaging.

4. General complexity of the discipline is 5 credit points (180 hours)

5. Semester 5, 6

The main sections of the discipline:

1. Asepsis and antiseptics.
2. Bleeding.
3. Anesthesia.
4. Damage.
5. Surgical infection.
6. Violations of blood circulation.
7. Clinical research methods.

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