

## **Abstract of the work program of the discipline "Infectious Diseases"**

The main professional educational program of higher education is a specialty program in the specialty 31.05.01 "General Medicine", approved 24.05.2023 y.

Full-time form of education

Term of mastering the OBOP VO: 6 years

Department: Infectious Diseases

1. The purpose of the discipline: the student's acquisition of knowledge in the field of infectious diseases, as well as the principles of treatment and prevention of infectious diseases.

2. Place of discipline in the structure of the Basic Professional Educational Program of Higher Education: The discipline "Infectious Diseases" belongs to Block 1 of the compulsory part of the Federal State Educational Standard of Higher Education in the specialty "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 competencies: GPC-1, GPC -4, GPC -5, GPC -7, PC -2, PC -3

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

- pathogenesis of infectious diseases, their main clinical manifestations, basic methods of laboratory and instrumental diagnostics used in Infectology (indications for use, theoretical basis of the method, interpretation of results);
- basic principles of treatment of infectious diseases and rehabilitation of patients, indications for hospitalization of an infectious patient, specific and non-specific prevention of infectious diseases
- structure of the infectious service, indications for outpatient treatment of an infectious patient, transportation of an infectious patient to a hospital:
- rules of isolation during hospitalization of patients, sanitary and hygienic requirements for the device, organization of work and mode of infectious diseases hospitals, departments, boxes;
- features of collecting highly pathogenic biological materials; precautions, special clothing;
- features of the organization of work with patients with HIV infection;
- clinical and pharmacological characteristics of the main groups of medicines and rational choice of specific medicines in the treatment of major pathological syndromes of diseases and emergency conditions in patients.

be able to:

- suspect an infectious disease in the patient; - determine the patient's status: conduct a survey of the patient and/or his relatives, collect anamnesis (including epidemiological history), conduct a physical examination of the patient (examination, palpation, auscultation);
- conduct an initial examination of the following systems and organs: nervous, immune, respiratory, cardiovascular, blood and hematopoietic organs, digestive, urinary, musculoskeletal and joints, eye, ear, throat, nose;
- identify leading clinical and clinical-laboratory syndromes;
- evaluate the differential diagnostic significance of symptoms and syndromes characteristic of infectious diseases;
- make a differential diagnosis between different diseases with similar clinical symptoms;
- evaluate the patient's condition to make a decision about the need for medical care;
- make a preliminary diagnosis - synthesize information about the patient in order to determine the pathology and its causes;

- outline the scope of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;
- choose an individual type of care for the patient's treatment in accordance with the situation: primary care, ambulance, hospitalization;
- formulate a clinical diagnosis;
- develop a plan of therapeutic actions, taking into account the course of the disease and its treatment;
  - formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents, justify pharmacotherapy in a particular patient with the main pathological syndromes and emergency conditions, determine the route of administration, regimen and dose of medications, evaluate the effectiveness and safety of the treatment;
- use different methods of drug administration; - fill out a medical history, write a prescription;

Own:

skills of questioning, collecting complaints, anamnesis of the disease and epidanamnesis in an infectious patient;

- methods of General clinical examination;
  - interpretation of the results of laboratory and instrumental diagnostic methods;
- algorithms for making a preliminary and final clinical diagnosis with subsequent referral of the patient to the appropriate specialist;
- the main medical diagnostic and therapeutic measures to provide first aid in emergency and life-threatening conditions;
- methods for collecting biological material for clinical, bacteriological and serological studies; - modern methods of complex treatment of infectious patients; - proper maintenance of medical records;

4. the total labor intensity of the discipline is 8 credits (288 hours)

5. Semester: 9, 10

6. The basic sections of discipline:

1. General issues of infectious pathology.
2. Particular issues of infectious pathology.

7. The form of interim assessment - examination

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