

№ ЛД-21 ИИ

**Abstract of the working program of the discipline
“CLINICAL IMMUNOLOGY”**

The main professional educational program of higher education – the specialty program in the specialty 31.05.01 Medical care, approved on April 17, 2024

Form of study: full-time

The term of mastering the main professional educational program of higher education: 6 years

The Department of internal diseases № 3

1. The purpose of the discipline: to study the laws of the development and functioning of the human immune system in normal and pathological conditions, immunodiagnostics, immunotherapy and immunoprophylaxis of the disease for the performance of professional duties related to the immunological aspects of the professional activity of a specialist.

In this case, the objectives of the course are: students' acquisition of knowledge in the field of immunodeficiencies and allergic and autoimmune diseases with a syndrome of immune inflammation; learning the basic methods of assessing the immune status of the person interpreting the results of the study of the immune system; formation of methodological bases for the production of immunological and allergological diagnosis; training in first medical urgent care for medical emergencies caused by allergic reactions; formation of the ability to carry out information and educational activities.

2. The place of discipline in the structure of the basic professional educational programs of higher education:

The discipline belongs to the disciplines of the basic part of the block of the Federal State Educational Standard of Higher Professional Medical Education in the specialty "Medical Care"; it is studied in the 6th semester.

To study the discipline, you need the knowledge, skills and abilities formed by the previous disciplines:

- cycle of humanities and social disciplines (philosophy, psychology, Latin):
- a cycle of mathematical and natural science disciplines (biological chemistry - human anatomy, normal physiology, pharmacology, microbiology, virology-oral microbiology, pathophysiology).

The study of the discipline is necessary for the knowledge, skills and abilities formed by subsequent disciplines:

- a cycle of professional disciplines (epidemiology, internal diseases, infectious diseases, dermatovenerology, otorhinolaryngology).

3. Requirements for the results of mastering the discipline:

The study of the discipline is aimed at the formation of competencies:

GPC-4, GPC-5, GPC-6.

As a result of mastering the discipline, the student should

To know:

The main diseases caused by the pathology of immunity; principles and methods of clinical and laboratory assessment of the immune status; etiology, pathogenesis, methods of diagnosis of allergic diseases, methods of treatment of allergic diseases.

Be able to: conduct an immunological, allergological examination of the patient; interpret the results of the examination, analyze the information obtained using immunodiagnostic methods, formulate conclusions based on the goal of the study, the results obtained; interpret the indicators of the immune status, identify risk factors for major human diseases, carry out preventive measures for them; independently work with educational, reference and scientific literature.

To own: the skills of interpreting the results of laboratory and instrumental methods for diagnosing immunodeficiency and allergic conditions, the algorithm for making a preliminary diagnosis, the main medical diagnostic and therapeutic measures for providing first aid in conditions caused by allergic reactions.

4. Total labor intensity of the discipline: 2 credits (72 hours).

5. Semester: VI semester

6. Main sections of the discipline:

1. Assessment of the immune status.
2. Immunodeficiency diseases.
3. Allergic diseases.
4. Immunotherapy

The compiler:

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