

**Annotation of the working program of the discipline «Anatomy»  
specialty 31.05.01 General medicine**

The main professional educational program of higher education - specialty program in the specialty 31.05.01 General Medicine, approved in may, 2023

Form of education: Full-time

The period of basic professional educational program of higher education: 6 years

Department of Human Anatomy with Topographic Anatomy and Operative Surgery

**1. The purpose of the discipline** is to master the knowledge of human anatomy, both of the organism as a whole, and of individual organs and systems of adults and children in different age periods, based on the current, achievements of macro- and microscopy; skills to use the knowledge gained in the subsequent study or other fundamental and clinical disciplines, as well as in the future professional activity of a doctor.

**2. The place of the discipline in the structure of the Main Professional Educational Program of Higher Education:** Title discipline «Anatomy» refers to the basic part of the Block-1 of the Federal State Educational Standards of Higher Education. specialty 31.05.01 GENERAL MEDICINE

**3. Requirements for the results of the development of academic discipline:**

The process of studying anatomy is aimed at the formation and development of competencies: General Professional Competence-7, General Professional Competence -9.

As a result of studying the discipline, students should:

**Know:**

- Anatomical research methods and anatomical terms (Russian and Latin);
- The main stages of the development of anatomical science. Its importance for medicine and biology;
- The main directions of human anatomy, traditional and modern methods of anatomical research;
- Basics of anatomical terminology in Russian and Latin equivalents;
- General laws of the structure of the human body, structural and functional relationships of parts of the body of an adult, children and adolescents;
- The value of basic research in anatomical science for practical and the theoretical medicine.
- Anatomical and topographic relationships of organs and parts of the body in an adult, children and adolescents;
- the main details of the structure and topography of organs, their systems, their main functions in different age periods;
- possible options for the structure, the main anomalies and malformations of organs and their systems;
- the practical importance of the knowledge gained on the anatomy of an adult, children and adolescents for further education and further for professional activities.

**Be able to:**

- use anatomical tools correctly (tweezers, scalpel, etc.);
- to find and show on anatomical preparations organs, their parts, structure details, to correctly call them in Russian and in Latin;
- to be guided in topography and details of the structure of organs on anatomical preparations; show, correctly name in Russian and Latin organs and their parts;

- find and isolate the method of preparation of the muscles and fascia, large vessels, nerves, ducts of the glands, individual organs;
- to find and show on x-ray organs and the main details of their structure;
- to find and probe on the body of a living person the main bone and muscle landmarks, put a projection of the main neurovascular bundles of areas of the human body; correctly name and demonstrate movements in the joints of the human body;
- use the scientific literature;
- show on the images obtained by various imaging methods (X-rays, etc.) organs, their parts and structural details

**Own:**

- basic technologies of information transformation: independent work with educational literature on paper and electronic media, Internet resources on human anatomy;
- medical-anatomical conceptual apparatus;
- the simplest medical instruments - a scalpel and forceps.

**4. The total complexity of the discipline is 11 credit units (396 hours).**

**5. Semester: 1, 2, 3.**

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

1. Introduction
2. Musculoskeletal system
3. Splanchnology
4. Organs of the immune system and lymph drainage pathways
5. Endocrine glands.
6. Cardiovascular system
7. Neurology.
8. Esthesiology
9. Topography of vessels and nerves in different parts of the human body.

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