

Brief description of the discipline (abstract)
for the catalog of elective course
« Topographic anatomy and operative surgery »

Specialty	Medicine 222 (22 Health care)
Educational level	Master
Term of study (course)	2nd year
Form of study	Full-time
Department	Department of anatomy, clinical anatomy and operative surgery

Summary of the subject: The main tasks of studying the discipline are: to ensure the assimilation of a set of knowledge by the student and to gain practical skills to form professional skills for diagnosis and medical help for certain pathological conditions.

The subject of study of discipline is studying of clinical anatomy, topographic anatomy, and methods of operative surgery.

Approximate list of topics (practical):

1. The subject of topographic anatomy and operative surgery. Surgical instruments, rules of their use. Separation and joining of tissues. Types of surgical operations.
2. Topographic anatomy of the cerebral head. Topography of meninges and their derivatives. The base of the skull. Trepanation of the skull.
3. Topographic anatomy and operative surgery of the facial head.
4. Topographic and anatomical areas and triangles of the neck.
5. Topographic anatomy and operative surgery of the organs of the neck.
6. Topographic anatomy and operative surgery of the thoracic wall and mammary gland. Puncture of the pleural. Resection of the rib. Operations on the mammary gland.
7. Topographic anatomy and operative surgery of organs of the thoracic cavity. Operations on lungs, heart, and organs of the mediastinum. Pericardial puncture.
8. Topographic anatomy of the anterolateral abdominal wall. Surgical access to the abdominal organs. Clinical anatomy of the groin area. Surgical anatomy and operative surgery of inguinal hernias, hernias of the white line, umbilical and femoral hernias.
9. Topographic anatomy of the peritoneum and its derivatives. The revision of the peritoneal cavity. Clinical anatomy of the organs of the peritoneal cavity. Puncture of the abdominal cavity.
10. Intestinal sutures. Operations on the small intestine.
11. Operations on the stomach.
12. Operations on the parenchymal organs and bile ducts.
13. Operations on the large intestine. Appendectomy.
14. Topographic anatomy of the lumbar region and retroperitoneal space. Principles of operations on the kidneys and ureters.
15. Topographic anatomy of the pelvis. Topography of the male and female perineum. Operations on the small pelvic organs, genitals.

16. Topographic anatomy of extremities. Access to blood vessels and nerves. Joint puncture.
17. Principles of amputations and exarticulations. Operations on vessels, nerves, tendons.

Thematic plan of lectures

1. Defining the subject of clinical anatomy and operative surgery. History. Methods of the topographic and anatomical research. Classification of surgical operations.
2. Topographic anatomy and operative surgery of the head and neck.
3. Topographic anatomy and operative surgery of the thoracic cavity.
4. Topographic anatomy and operative surgery of the abdominal cavity. Principles of the abdominal surgery. Intestinal sutures. Types of the interintestinal anastomoses.
5. Topographic anatomy and operative surgery of the pelvis and extremities.

The list of competencies, the acquisition of which will provide the discipline:

General competencies:

- GC1. Ability to abstract thinking, analysis and synthesis, to learn and be modernly trained.
- GC2. Ability to apply knowledge in practical situations.
- GC3. Knowledge and understanding of the subject area and understanding of the profession.

Professional (special) competencies:

- PC 1. Skills of questioning and clinical examination of the patient.
- PC 2. Ability to determine the required laboratory and instrumental ways of investigation and interpret their results.
- PC 8. Ability to determine the tactics of emergency medical care.

Results of studying the discipline

For result of studying the discipline student must:

Know: holotopia, skeletotopia, syntopia, blood supply, innervation and lymph outflow of organs, individual and age anatomical variability of organs and systems, the value of these data for practical surgery; some microscopic details of organ structure, in particular, histotopography of vascular and nervous formations; principles of surgical interventions in different parts of the human body; questions of reaction of an organism to an operative measure for a substantiation of technics of modern operations.

Be able to: perform layer-by-layer preparation of areas, perform basic surgical accesses and surgical techniques, exposure of vascular-nervous bundles.

Demonstrate: ability to interpret topographic and anatomical relationships from the standpoint of variation and age clinical anatomy; ability to demonstrate of mastery of the technique of performing basic surgical interventions on human and animal corpses; ability to apply of general principles and methods of anesthesiological support of various surgical interventions.

The list of scientific and pedagogical employees who will ensure the conduct of the elective course:

Head of department, Doctor of Medical Sciences, professor Slobodian Oleksandr Mykolayovych

Associate professor, PhD, Karatieieva Svitlana Yuriivna

Associate professor, PhD, Antoniuk Olga Petrivna

Associate professor, PhD, Lavriv Lesia Petrivna

**Head of the Department of Anatomy,
Clinical Anatomy and Operative Surgery
Doctor of Medical Sciences, Professor**

Oleksandr SLOBODIAN