

**Odessa National Medical University**

**Faculty of Medicine**

**Department of Surgery №2**

Syllabus course

Value	1,5 credits, 45 hours
Semester, year of study	VII-VIII semesters of 4 <sup>th</sup> course
Days, time, place	According to the schedule of classes of the department of ORCMC, OHBT of Ukraine, University Clinic
Teachers	Zaporozhchenko BS Doctor of Medicine, Professor, Head of the Department; Zubkov OB MD, Professor; Borodaev IE Ph.D., Associate Professor, Head Teacher of the Department; Muravyov PT Ph.D., Associate Professor ; Shevchenko VG Ph.D., Associate Professor; Gorbunov AA Ph.D., Associate Professor; Kolodiy VV Ph.D., Associate Professor; Kachanov VM Ph.D., Associate Professor; Sharapov IV Ph.D., assistant; Sharapova G.Yu. Ph.D., assistant; Vasiliev OA Ph.D., assistant; Yasia Hassan, assistant; Bondaren DA assistant; Volkov VB assistant; Kholodov IG Ph.D., assistant; Kravets KV assistant; Pikhteeva OD assistant.
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Address	Odessa, street Shipbuilding, 1 building 1 Department of Surgery №2 Border Troops Hospital of Ukraine st. Chernyakhovsky, 6 Kholodov IG, Baribin SA University Clinic, 12 Tenista Street Bondarets DA, Vasiliev OA
Consultations	Online consultations: Thursday and Saturday this Sunday from 14:00 to 16:00 consultations are held using the platform MS Teams, Zoom Clinical consultations according to the approved schedule

## Medicine practice (Surgery)

### COMMUNICATION

Communication with students is carried out via e-mail **xir316@gmail.com**, **borys.zaporozhchenko@onmedu.edu.ua**. Social networks of the Viber program 0672923236, Telegram, ZOOM, by phone, face-to-face meetings at the department Thursday and Saturday of this Sunday from 14:00 to 16:30)

### COURSE ANNOTATION

**The subject** is a set of functional responsibilities and professional actions of a surgeon, as well as a set of measures aimed at creating favorable conditions for successful treatment of patients.

Prerequisites: The discipline "Medical Practice (Surgery)" is based on the knowledge acquired by students during the study of such fundamental disciplines as medical biology, medical and biological physics, human anatomy, physiology, bioorganic and biological chemistry, microbiology, virology and immunology, clinics. and topographic surgery, pathophysiology, pathomorphology, pharmacology, the completion of the study of such clinical disciplines as propaedeutics of internal medicine, propaedeutics of pediatrics and general surgery, with which the program of industrial practice is integrated. In turn, medical practice forms the basis for students to study further clinical disciplines - internal medicine, pediatrics, surgery, anesthesiology, and intensive care, it provides "vertical" integration with these 3 disciplines and the formation of skills to apply knowledge of medicine in further study and in professional activity.

### POSTREQUISITES:

The aim is for the student to master the basic techniques of the surgeon's professional activity on the basis of deep knowledge and understanding of the peculiarities of the functioning of the patient's body in compliance with the principles of medical ethics and deontology.

### Tasks of the discipline:

- make the student a participant in the process of providing medical care from the moment of hospitalization of the patient to discharge from the hospital.
- mastering by students the skills of working in a team of doctors in the process of providing medical care.
- acquisition of practical skills for diagnosis and differential diagnosis in various surgical pathological processes, gaining skills in choosing a treatment program and means of prevention in surgical pathology.
- mastering professional practical skills in diagnosing pathology of the abdominal cavity.
- acquisition of skills and abilities for examination of a surgical patient and registration of results in the relevant medical documentation.
- formation of moral and ethical and deontological qualities in professional communication with the patient.

### Expected results

As a result of studying the discipline, students should know:

- modern concepts of domestic and foreign theoretical and practical surgery.

- methods of examination of the patient, features of examination of the patient with acute surgical pathology.
- the structure of the medical card of an inpatient.
- general issues of providing emergency care to a surgical patient.

**Students must be able to:**

- collect anamnesis and correctly assess the condition of the surgical patient.
- conduct a physical examination of all organs and systems.
- make an individual diagnostic program.
- make an individual program of postoperative management of the patient.
- make bandages; take care of drainage; flush drainages and inject drugs into them; remove seams.
- make a cleansing enema; drain and wash the stomach.
- correctly assess the presence, location and severity of pain and defense of the muscles of the anterior abdominal wall and lumbar region.
- show symptoms of acute appendicitis, acute cholecystitis, acute pancreatitis, acute intestinal obstruction, perforated duodenal and gastric ulcers and other acute surgical pathologies (negative, weakly positive, positive, sharply positive).
- interpret the results of laboratory and instrumental studies (radiography, ultrasound, CT).
- determine the indications for surgery.
- assist in performing the operation and perform certain stages of surgery.
- detect and evaluate the protective tension of the abdominal wall muscles, enlarged painful gallbladder or infiltrate, the presence of fluid in the abdominal cavity.
- determine indications for urgent (2-4 hours from the moment of hospitalization) and urgent (24-48 hours from the moment of hospitalization) operations.
- provide the right recommendations in the postoperative period (diet, work).
- to establish the presence or absence of multiple organ failure syndrome (dysfunction):
  - acute respiratory failure
  - acute cardiovascular failure
  - acute liver failure
  - acute renal failure
  - acute insufficiency of the gastrointestinal tract
  - encephalopathy.
- determine the indications for conservative treatment.
- determine the indications for minimally invasive and "open" surgical interventions.
- features of providing emergency care to patients with HIV infection.
- reading of radiographs: review radiography of abdominal organs, chest radiography (pneumothorax, hydro - or hemothorax).

- finger examination of the rectum.

## **COURSE DESCRIPTION**

Forms and methods of teaching

The course will be presented in the form of organizing independent work of students (45 hours). Types of educational activities of students according to the curriculum are:

- Independent work with active consultation of the teacher

### **Teaching methods used in teaching the discipline:**

1. Oral interview with the teacher, games on the topic of learning.
2. Consideration of the situational problem.
3. Work at the patient's bedside.
4. Participation in surgical and diagnostic manipulations.
5. Curation of the patient.

### **The content of the discipline**

Topic 1. Examination of the patient, justification of the diagnosis, the rules of registration of medical history -4 hours

Topic 2. Evaluation of clinical and laboratory studies, and the results of endoscopic and radiological examinations - 4 hours

Topic 3. Assistance and work in the dressing -6 hours

Topic 4. Assistance for operations and work in the operating room - 6 hours

Topic 5. Preparation of the patient for operation, principles of preoperative infusion and antibiotic therapy - 4 hours

Topic 6. Urgent duty and supervision of the patient - 12 hours

Topic 7. Emergency care for abdominal trauma and gastrointestinal bleeding -8 hours

### **List of recommended bibliography materials**

1. General surgery: a textbook / SD Khimich, MD Zheliba, IG Gerich, etc .: ed. professors SD Khimich, MD Zheliba, - К .: ВСВ «Медицина», 2018. - 608 с.

2. Practical skills in operative surgery: Textbook. way. / Ю.Т. Akhtemiychuk, VGT Pishak, OM Slobodyan, OV Cigarette. —Chernivtsi: City, 2015. - 152 p.

3. Kasevich NM General patient care and medical manipulation techniques: textbook. for students. higher honey. textbook lock I-III levels of accreditation / ed. VI Litvinenko. - 7th ed., Corrected. - К.: Медицина, 2017. - 424 с

4. Surgical diseases: a textbook / edited by Professor PG Kondratenko.- Donetsk, 2016. -816 p.
5. Handbook of standards of medical manipulation techniques and practical skills in general surgery / VV Skiba, VV Pokanevich, OV Ivanko, AS Карпенко, С.Й. Khmelnytsky, V.Ya. Stadnik, AK Petrov; Acad. Science Higher. school Of Ukraine, Kyiv. honey. UANM University. - K., 2016. —141p.
6. Urgent conditions in surgery: a textbook / I.V. Rozdolsky. - 2nd ed., Ster .. —K .: Medicine, 2009. - 144 p.

**Additional materials:**

1. Basics of care for surgical patients: a textbook for students of VMNZ IV level of accreditation / Shumeiko IA, Ligonenko OV, Chorna IO, Zubakha AB, Digtyar II, Storozhenko O.B. - Poltava, 2015. - 160
2. MA Kashtalyan, VE Vansovich. Clinical examination of the patient. Odessa 2015. 113 p.

**Forms and methods of final control:**

Upon completion of the study of the discipline is a differential test. Only those students who do not have academic debt and have an average score of at least 3.00 for current academic activities are allowed to take the final certification.

**Differential student credit is assessed on a 4-point (traditional) scale.**

- Grade "5" (excellent) - is given to a student who has deeply and reliably mastered the program material, comprehensively, consistently, competently and methodically teaches it, in response to which theory is closely related to practice.
- Grade "4" (good) - is given to a student who knows the program material, competently and essentially presents it, which does not allow significant inaccuracies in answering questions and performing the necessary practical skills.
- Grade "3" (satisfactory) - 2 is given to a student who has knowledge of only the basic material, but has not mastered its details, admits inaccuracies, insufficiently correct wording, violation of the sequence of presentation of material, has difficulty performing practical work or performs them with significant errors, with errors solves situational problems of the third level of knowledge control.
- Grade "2" (unsatisfactory) - is given to a student who does not know a significant part of the program material, makes significant mistakes, uncertainly performs practical work, does not solve the problem of II-III level of knowledge control.

**Tasks for independent work:**

- preparation for practical classes

Includes:

- preparation for practical classes;
- theoretical training;
- work with workbooks;
- performance of test tasks;
- solving situational problems;
- practical skills training;

- essay writing.

## **COURSE POLICY ("rules of the game")**

### **Deadline and recompilation policy:**

- skipping classes for a good reason (illness, certificate of donation) allow a teacher who leads a group or head of the department to work daily; passes without good reasons (omission of more than 3 topics with the permission of the dean of the faculty) during the rehearsals according to the schedule of the department not more than 1 topic.

### **Academic Integrity Policy:**

Provides:

- independent performance of educational tasks, preparation for the current and final control of learning outcomes;
- study of sources of information and literature;
- opportunity to take part in research activities of the department;
- compliance with copyright law;
- providing reliable information about the results of their own scientific work; used research methods.

Unacceptable in educational activities for participants in the educational process are:

- use of family or business ties to obtain a positive or higher grade during the test and exam;
- use of prohibited auxiliary materials or technical means (cheat sheets, abstracts, headphones, phones, smartphones, tablets, etc.) during the test control of the exam;
- passing the procedures of control of learning outcomes by fictitious persons.

For violation of academic integrity, students may be held liable for the following academic liability:

- re-assessment (test control, exam);
- re-passing the relevant educational component of the educational program;
- deprivation of an academic scholarship;
- expulsion from the number of students of the University by the decision of the Rector's Office;

Policy on attendance and delays: according to the order of the Rector of the University classes start at 8:30, delays for a good reason are allowed for 15 minutes once per cycle. Students who do not attend classes receive a "**nb**" on the day of admission.

Mobile devices: it is allowed to use from time of independent work, and preparation for practical employment, passing of preparation of test control

Behavior in the audience: according to the "Regulations on the organization of the educational process in ONMedU", 2020. Students are required to attend all classes. Delays are unacceptable. Medical clothing is mandatory (medical gown, hat, change of shoes, surgical suit, boot covers, as well as a health book if possible to acquire skills in the operating room). Rules of conduct in the classroom include: active participation of the student, the implementation of the required minimum of educational work. Students

who want to study surgery in more depth are invited to a student group, where they will study surgery more widely, to acquire practical skills.