

**Odessa National Medical University**

**Faculty of Medicine**

**Department of Surgery №2**

**Syllabus course**

**"Abdominal surgery"**

Volume	4.5 credits 135 hours
Semester, year of study	VII-VIII semester 4 course
Days, time, place	According to the schedule of classes of the base of the department ORCMCs, OBTH - Ukraine
Teacher (s)	Zaporozhchenko B.S. Doctor of Medicine, Professor, Head of the Department; Zubkov O.B. MD, Professor; Borodaev I.E. Candidate of Medical Sciences, Associate Professor, Head of the Department; Muravyov P.T. Ph.D., Associate Professor ; Shevchenko V.G. Ph.D., Associate Professor; Gorbunov A.A. Ph.D., Associate Professor; Kolodiy V.V. Ph.D., Associate Professor; Kachanov V.M. Ph.D., Associate Professor; Sharapov I.V. Ph.D., assistant; Sharapova G.Yu. Ph.D., assistant; Bondaren D.A. assistant; Volkov V.B. assistant; Kholodov I.G. Ph.D., assistant; Gomonyuk I.V. assistant; Kravets K.V. assistant; Pikhteeva O.D. assistant; Baribin S.A. assistant.
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Workplace	Odessa, Sudnobudivna str, 1 building 1 Department of Surgery №2 Border Troops Hospital of Ukraine st. Chernyakhovsky, 6 Kholodov I.G., Baribin S.A.
Consultations	Online consultations: Thursday and Saturday this Sunday from 14:00 to 16:00 consultations are held using the platform MS Teams, Zoom

**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 of study of the discipline "Abdominal Surgery" are: measures for the organization and provision of surgical care to patients with pathology of the abdominal cavity in an urgent and planned mode.

**Prerequisites:** the discipline "Abdominal Surgery" is based on the knowledge gained by students in the study of such fundamental disciplines as anatomy, histology, physiology, pathological anatomy, pathological physiology, propaedeutic of internal medicine, pharmacology, general surgery and lays the foundations for the study of clinical surgery. and orthopedics, urology, neurosurgery, obstetrics, gynecology, anesthesiology, resuscitation and other disciplines involving the use of surgical treatments.

### **Postrequisites:**

The purpose of the study of surgery is to train a doctor in the specialty in accordance with the topics and is the basis for building the content of the discipline of abdominal surgery

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;
- mastering knowledge about the peculiarities of the use of different grafts, about deontological and legal aspects of transplantation;
- 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 oncology and transplantation.

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;
- demonstrate 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 jaundice, skin pigmentation from the use of warmers, varicose veins of the anterior abdominal wall ("jellyfish head");
- detect and evaluate the protective tension of the muscles of the abdominal wall, 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);
- establish the presence or absence of multiorgan 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;
- identify the most characteristic clinical signs of ulcerative hemorrhage;
- determine the indications for choosing the optimal method of treatment, indications for endoscopic hemostasis and the amount of surgical treatment depending on the intensity of bleeding, the degree of blood loss;
- perform an enema siphon and assess its diagnostic and therapeutic value
- determine the indications for the formation of laparostomy;

- to conduct a finger examination of the inguinal canal to determine the condition of the outer and inner rings, the ratio of the hernia sac to the elements of the spermatic cord; to determine the size of the hernia gate;
- diagnose a pinched hernia and determine surgical tactics for pinched, inflamed and injured hernia;
- features of providing emergency care to patients with HIV infection;
- reading of radiographs: review radiography of abdominal organs, chest radiography (pneumothorax, hydro - or haemothorax).
- examination of the rectum.

## **COURSE DESCRIPTION**

Forms and methods of teaching

The course will be presented in the form of lectures (20 hours) and practical (70 hours) internship (45 hours), organization of independent work of students (45 hours). Types of educational activities of students according to the curriculum are:

- Lectures
- Practical training
- Independent work (VTS) 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. Participation in webinars and watching educational films.
4. Work at the patient's bedside.
5. Participation in surgical and diagnostic manipulations.
6. Curation of the patient.

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

Topic 1. Acute appendicitis and its complications -4 hours

Topic 2 Acute cholecystitis and its complications - 4 hours

Topic 3 Diseases outside the liver -4 hours

Topic 4 Acute pancreatitis and its complications - 6 hours

Topic 5 Acute intestinal obstruction - 4 hours

Topic 6 Abdominal hernias and their complications - 6 hours

Topic 7 Gastric or peptic ulcer, complications -8 hours

Topic 8 Surgery on the stomach and duodenum - 4 hours

- Topic 9 Acute peritonitis -4 hours
- Topic 10 Liver disease -4 hours
- Topic 11 Diseases of the pancreas and spleen - 4 hours
- Topic 12 Surgical diseases of the rectum -4 hours
- Topic 13 Surgical diseases of the small and large intestine -4 hours
- Topic 14 Surgical diseases of the perineum - 4 hours
- Topic 15 Curation of the patient -6 hours

### ***List of recommended reading***

1. Berezhnitsky JS, Bilov OV, Zaporozhchenko BS "Surgery", 2020, textbook.- Vinnytsia "New Book" - 528p.
2. JS Berezhnitsky, MP Zakharash, VG Mishalov "Surgery", Volume III 2014, Textbook, 628 p.
3. "Surgery", Textbook MP // MP Zakharash, OIPoida, MD Kucher.-Vinnytsia "New Book", 2014.-687p.
4. Surgical diseases: Textbook / Edited by Prof. PG Kondratenko.-H .: Fact, 2006.-816p.
5. Emergency surgery, ed. Kovalchuk L.Ya.-Ternopil: Ukrmedknyha, -2008, 288 S.
6. Faculty surgery. Lectures. ODMU, -2005, 300 C.
7. Radzikhovsky AP, Babenko VI Emergency surgery of the abdominal cavity. Kiev. Phoenix, 2002. - 319 p.
8. Ivashchenko VV Hospital surgery (selected lectures) Donetsk, 2001– 477 p
9. Surgical diseases edited by MI Kuzin, - Medicine, 2002.- 784p.

### **EVALUATION**

The following methods of current control are used in each practical lesson:

- Testing the initial and final level of knowledge on the topic of practical training.
- Oral answer to standardized questions on the material of the current topic, previous topics and lecture material.
- Solving typical and atypical clinical situational problems.
- Control of practical skills.
- Control of student activity while working in small groups.

The final grade for all types of student activities during the practical lesson.

### ***Forms and methods of final control:***

Upon completion of the discipline is an exam. Only those students who have no academic debt and have an average score of at least 3.00 for their current academic activity are allowed to take the final attestation.

The student's exam 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) - is given to a student who has knowledge of only the basic material, but has not mastered its details, allows 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
- theoretical training
- work with workbooks
- performance of test tasks
- solving situational problems
- training on practical skills
- essay writing
- work in the computer Tattoo Center

**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 working hours 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.