

# Odessa National Medical University

## Faculty of Medicine

### Department of Surgery with Postgraduate Education

#### Syllabus for the elective course:

#### “Acute Abdomen Syndrome in Emergency Surgery”

<b>Volume:</b>	Total hours: 90 hours, 3 credits. Semesters: XI – XII. 6th year of study.
<b>Days, time, place of classes:</b>	According to the schedule. Department of Surgery, Odessa, Academica Zabolotnogo Street 26/32, Communal Non-Commercial Enterprise “Odessa Regional Clinical Hospital” of the Odessa Regional Council, 9-storey building, 5th floor.
<b>Teachers</b>	Volodymyr Volodymyrovych Grubnik, D.Med.Sc., Professor, Head of the Department of Surgery Associate Professors: S.D. Polyak, R.S. Parfentiev, R.P. Nikitenko, Ye.M. Novosad, K.O. Vorotyntseva, Ye.A. Koichev Assistants:, V.V. Grubnyk, S.P. Degtyarenko, Z.D. Bugridze
<b>Contact information</b>	Inquiries by phone: Sergey Dmitrovich Polyak, acting head of the department 050-50-397-55 Yevgeny Anatoliyovych Koichev, responsible for the organizational and educational work of the department 099-787-34-90 E-mail: <a href="mailto:surgerykathedra@gmail.com">surgerykathedra@gmail.com</a> Face-to-face consultations: from 15:00 to 17:00 every Tuesday, from 9:00 to 14:00 every Saturday. Online consultations: from 16:00 to 18:00 every Tuesday, from 9:00 to 14:00 every Saturday. A link for online consultation is provided to each group separately during classes.

**Communication:** Communication with students is carried out in person. In case of quarantine, it is carried out via MTeams.

Calendar and thematic plans of practical classes are placed in the materials of the department on the blog of the ONMedU library at the link

<https://info.odmu.edu.ua/chair/surgery1/files/232/ua.surgerykathedra@gmail.com>. Work is sent to

Missed classes made up online in MTeams.

## **COURSE ANNOTATION**

**Prerequisites:** Knowledge, skills, and abilities in disciplines such as human anatomy, histology, embryology, microbiology, physiology, operative surgery, and topographic anatomy are necessary for mastering the discipline.

**Postrequisites:** Knowledge, skills, and abilities from this discipline are necessary for studying surgery.

**The purpose of the course:** To acquire theoretical and practical knowledge on the possibilities of using modern methods of examination, performing surgical interventions in patients with the syndrome “Acute Abdomen,” as well as predicting complications in diagnostic and therapeutic laparoscopies in patients with the syndrome “Acute Abdomen”.

### **Objectives of the discipline:**

- To form in students a correct understanding of the moral-deontological principles of a medical professional in the surgical specialty.
- To form in students a system of theoretical knowledge about the possibilities of using the latest methods for diagnosing and treating patients with the syndrome “Acute Abdomen.”
- To master modern methods of examining patients with the syndrome “Acute Abdomen” during wartime.
- To learn to organize high-quality medical care for patients with the syndrome “Acute Abdomen.”
- To determine the tactics of examining patients with the syndrome “Acute Abdomen.”
- To master the interpretation of laboratory and instrumental methods of research.
- To learn to determine the method and scope of surgical intervention.
- To master the principles of preoperative preparation of patients with the syndrome “Acute Abdomen.”

**Expected results:** Upon completing the course, students should be able to:

1. Interpret laboratory research data.
2. Interpret data from instrumental research methods.

3. Demonstrate patient examination with the “Acute Abdomen” syndrome: inspection, palpation, percussion, auscultation.
4. Perform preoperative preparation for patients with the “Acute Abdomen” syndrome.
5. Decide on the method of surgical intervention.

**COURSE DESCRIPTION:** The course consists of practical classes (30 hours) and independent work (60 hours). Teaching methods include explanations, multimedia presentations, photo tasks, situational and simulation training, oral questioning, testing, individual tasks, and independent textbook study. Consultations are scheduled individually.

### **Course content**

#### **Practical classes:**

1. Latest diagnostic and treatment methods for patients with "Acute Abdomen" syndrome, including modern techniques during wartime – 6 hours.
2. Organizing quality medical care for patients with "Acute Abdomen" syndrome; determining examination tactics; interpreting laboratory and instrumental research methods – 6 hours.
3. Determining methods and extent of surgical intervention; principles of preoperative preparation for "Acute Abdomen" syndrome – 6 hours.
4. Indications for performing diagnostic laparoscopy in patients with "Acute Abdomen" syndrome – 6 hours.
5. Causes and complications of laparoscopic interventions; advantages of laparoscopic interventions – 6 hours.

### **Recommended Literature List:**

#### **Main Literature:**

1. "Endoscopic Surgery: Educational Manual" by M. Zaporozhan, V.V. Grubnik, Yu.V. Grubnik, et al.; edited by V.M. Zaporozhan and V.V. Grubnik. VSV "Medicine", 2019, Kyiv, p. 87.
2. "Emergency Surgery of Abdominal Organs (Standards of Organization and Professionally Oriented Algorithms for Medical Assistance)" edited by Academician P.D. Fomin of NAS and NAMS of Ukraine, Corresponding Member O.Yu. Usenko, Professor Ya.S. Bereznytsky. Kyiv, "Health of Ukraine" Library, 2018, pp. 47-77.

3. "Emergency Surgery: Textbook for 6th-Year Medical Faculty Students" edited by V.V. Boyko, V.M. Lisovoy; Ministry of Health of Ukraine, Kharkiv National Medical University. Kharkiv: NTMT, 2019, 420 pages.
4. "Emergency States in Surgery" by K. Bobak, A. Bobak, V. Kiretyv. "Medicine" Publishing House, 2017.

**Additional Literature:**

1. "Operative Surgery and Topographic Anatomy" edited by Professor M. Kovalsky. Published by "Medicine", 2016.

**Evaluation:**

Assessment of ongoing educational activities includes oral questioning, testing, evaluation of execution of practical skills, assessment of communication skills during role-playing, solving situational clinical tasks, and assessing activity in class.

**Assessment of ongoing educational activities in practical classes**

1. Assessment of theoretical knowledge from the class topic: methods include questioning, solving situational clinical problems - maximum score is 5, minimum is 3, unsatisfactory is 2.
2. Evaluation of practical skills and manipulations from the class topic: methods include evaluating the correctness of practical skill execution - maximum score is 5, minimum is 3, unsatisfactory is 2.
3. Evaluation of work with a patient from the class topic: methods include assessing a) communication skills with the patient, b) correctness of assigning and evaluating laboratory and instrumental studies, c) adherence to the differential diagnosis algorithm, d) justification of the clinical diagnosis, e) developing a treatment plan - maximum score is 5, minimum is 3, unsatisfactory is 2.

The score for a practical class is the arithmetic average of all components and is a whole number (5, 4, 3, 2), rounded according to statistical methods.

**Criteria for ongoing assessment in practical classes:**

Grade	Evaluation criteria
Excellent «5»	The student demonstrates excellent mastery of the material, actively participates in discussions and solving clinical cases, confidently shows practical skills during patient examination and interpretation of clinical, laboratory, and instrumental data, expresses opinions on the topic, and demonstrates clinical

	thinking.
Good «4»	The student has a good grasp of the material, participates in discussions and clinical case resolutions, shows practical skills with some errors during patient examination and data interpretation, expresses opinions, and demonstrates clinical thinking.
Satisfactory «3»	The student has insufficient mastery of the material, participates uncertainly in discussions and clinical cases, and shows practical skills with significant errors during patient examination and data interpretation.
Unsatisfactory «2»	The student lacks mastery of the material, does not participate in discussions or solving clinical cases, and fails to demonstrate practical skills during patient examination and data interpretation.

*Possibility and Conditions for Additional (Bonus) Points: Not provided.*

Assessment of Individual Tasks: Marks for individual tasks are awarded to students only upon successful completion and defense of the task, contributing to overall performance. Independent Work Assessment: Independent work, as part of the class topic along with classroom work, is evaluated during ongoing control of the topic in the respective class. Mastery of topics assigned for independent study is assessed during exams. During their studies, students complete the SRS notebook (answers to questions, solutions to situational tasks based on the topic for independent analysis).

Final Control - Credit: Eligibility for credit includes attendance of all classes as per the syllabus, completion of KROK-2 database tests (over 90%), case history (during virtual disciplinary training), and the SRS notebook.

## **COURSE POLICY**

**Deadline and Resit Policy:** Students must make up all missed lectures within 2 weeks from the date of absence. Those with no valid reason and no more than 2 absences can make up within 2 weeks without the dean's permission. Students not making up missed classes within 2 weeks from the date of absence are not allowed in classes without the dean's permission. Those with more than 2 unexcused absences are not allowed in classes and make-ups without the dean's permission. Students who missed classes for valid reasons for more than 2 days can make them up according to an individual schedule set by the department and approved by the dean.

Missed practical classes are made up by the student with the next available teacher according to the department's make-up schedule: twice a week during the semester (Tuesday and Saturday - days for make-ups and consultations). On Tuesdays, no more than 1 class can be made up, and on Saturdays, no more than 3 (note: Thursday – 15:00 – 17:00; Saturday – 10.00-13.00). Students have the right only during the temporary suspension of face-to-face classes (during remote learning) to make up academic debts without the dean's permission. A class is considered made up if the student receives a positive grade.

**Academic Integrity Policy:** Maintaining academic integrity by students implies independently completing educational tasks and current and final control tasks; referencing information sources when using ideas, developments, statements, information. In educational activities, the use of prohibited auxiliary materials or technical means (cheat sheets, summaries, micro earpieces, phones, smartphones, tablets, etc.) during control events is unacceptable.

**Policy on Make-ups and Tardiness:** Mandatory. If a student is late for a class, they can be present but marked absent.

**Mobile Devices:** Using mobile devices during class is prohibited.

**Classroom Behavior:** In the classroom, the student must behave according to the rules of ethics and behavior, defined in the regulations on the organization of the educational process by higher education students at ONMedU and the regulations on the organization of humanitarian education and educational work at Odessa National Medical University.