

Odessa National Medical University
Faculty of stomatology
Department of Surgery №3

Syllabus course
"Surgery"

Amount	3.0 credits / 90 hours
Semester, year of study	VII-VIII semester, IV year of study
Days, time, place	According to the schedule on the basis of the Department of Surgery №3: Center for reconstructive and restorative medicine, Tenista street, 8; City Clinical Hospital № 11, Academician Vorobyov str. 5
Teacher (s)	All teachers of the department. Head study of the Department Vitaliy Vitaliyovych Kryzhanivsky, Candidate of Medical Sciences, Docent
Contact phone	067-531-66-59
E-mail	kvvsurgeon@gmail.com
Workplace	Classrooms of the Department of Surgery №3: Tenista street, 8; Academician Vorobyov street, 5
Consultations	<i>Eye consultations:</i> Wednesday from 15:00 to 17:00; Saturday from 9.00 to 13.00 <i>Online consultations:</i> Wednesday from 15.00 to 17.00; Saturday from 9.00 to 13.00 via MC Teams, Zoom

COMMUNICATION

Communication with students will be through face-to-face meetings. In case of transition to distance learning, communication with students will be carried out by E-mail and programs: Microsoft Teams, Telegram and Viber.

COURSE ANNOTATION

The subject of the study is the definition of diagnostic methods, algorithms for conservative and surgical treatment of surgical diseases, depending on the characteristics of their clinical manifestations; study of differential diagnosis of diseases of the chest organs; diseases of the abdominal organs, endocrine organs and vascular diseases. Identification of the principles of surgical treatment and rehabilitation of patients with surgical pathology; study of risk factors for complications; study of the results of laboratory and instrumental studies.

Prerequisites of the course: human anatomy - determination of topographic and anatomical relationships of organs and body systems; microbiology: virology and immunology - interpretation of the biological properties of pathogenic and non-

pathogenic microorganisms; surgery - to provide emergency medical care for the most common surgical conditions.

Postrequisites of the course: the formation of the ability to apply knowledge of surgery in the process of further training in professional activities.

The goal of the course is to master the methods of diagnosis, treatment and prevention of surgical diseases; primarily the most common and urgent.

The task of the discipline:

- Know the diagnosis and algorithms of conservative and surgical treatment of surgical diseases;
- Master the methods of differential diagnosis of chest diseases; diseases of the abdominal organs, endocrine organs and vascular diseases;
- To study the principles of postoperative treatment and rehabilitation of patients with surgical pathology
- Interpret the results of laboratory and instrumental studies of the digestive, cardiovascular and respiratory systems;
- Know the risk factors for complications of surgical diseases

Expected results:

- Be able to determine the necessary diagnostic methods, an algorithm for conservative and surgical treatment of surgical diseases of the digestive, cardiovascular, and respiratory systems
- Be able to differentiate diagnosis of diseases of the abdominal cavity and chest;
- Be able to interpret the results of laboratory and instrumental studies in surgical patients;
- Be able to provide emergency medical care for urgent surgical diseases of the digestive, respiratory system
- Be able to fill out medical records in the clinic of surgical diseases.

COURSE DESCRIPTION

Forms and methods of teaching

The course will be presented in the form of practical lessons (36 hours), organization of students' independent work (40 hours). Provides for individual and group consultations on the study of practical skills in the office of practical skills.

The content of the discipline

1. Acute pancreatitis. Complications of acute pancreatitis. Pancreas cancer.
2. Peptic ulcer of the stomach and duodenum. Etiology, pathogenesis, clinical picture, diagnosis, treatment. Surgical treatment of peptic ulcer disease. Complications of peptic ulcer: perforated ulcer, bleeding ulcer, stenosis, penetration, malignancy. Pathogenesis, clinical picture, diagnosis, treatment.
3. Stomach cancer. Classification. Diagnostics. Differential diagnosis. Surgical treatment methods.

4. Acute intestinal obstruction. Classification. Special research methods. Diagnostics. Differential diagnosis. Preoperative preparation. Surgery.
5. Peritonitis. Common forms of peritonitis. Complex treatment of peritonitis.
6. Diseases of the colon. Crohn's disease. Nonspecific ulcerative colitis. Hirschsprung's disease. Diseases of the rectum. Hemorrhoids. Fissure, prolapse of the rectum. Acute paraproctitis.
7. Cancer of the colon and rectum. Differential diagnosis. Surgical treatment methods.
8. Modern surgical trauma in conditions of massive injuries in disasters and emergencies. Fundamentals of medical and evacuation measures in modern conditions. Medical triage, evacuation of victims.
9. Cardiopulmonary resuscitation: restoration of airway patency, breathing, blood circulation. Primary life support.
10. Combat surgical injury. Gunshot wound. Explosive injury. Classification, clinical picture. Wound ballistics, pathomorphology of the wound process. Treatment of gunshot wounds. Primary and secondary surgical debridement of a gunshot wound.
11. Traumatic shock. as the first period of a traumatic illness. The severity of the shock. Traumatic illness. Definition, etiology, pathogenesis, clinical picture. Diagnostics and treatment at the stages of medical evacuation. Fundamentals of intensive fluid therapy.
12. Neurotrauma. Morphology, clinical picture, course, complications. Diagnostics and treatment at the stages of medical evacuation.
13. Injury to the chest. Pneumothorax. Hemothorax. Slaughter and cardiac tamponade. Unstable chest. Classification. Diagnostics and treatment at the stages of medical evacuation.
14. Injury to the abdomen. Closed abdominal trauma. Knife and gunshot wounds.
15. Crash syndrome. Polytrauma. Combined radiation and chemical damage. Mutual burden syndrome. Compensation mechanisms for severe injury.
16. Thermal burn injury. Burn disease. Classification. Morphology of the wound process, determination of the depth and area of damage. Thermal cold injury. Clinical picture, course, complications. First aid, treatment. Diagnostics and treatment at the stages of medical evacuation.
17. Injuries to the face and neck. Classification of soft tissue injuries, ENT - organs, eyes, facial skeleton. Morphology, clinical picture, course, complications. Diagnostics and treatment at the stages of medical evacuation.

Differential credit.

List of recommended reading

Basic :

1. Gozie Offiah, Arnold Hill//RCSI Handbook of Clinical Surgery for Finals. 4th ed. 2020
2. Цигикало О. В. Clinical Anatomy and Operative Surgery=Клінічна анатомія і оперативна хірургія.. Підручник для ВМНЗ ІV р.а.: Рекомендовано МОЗ: 2020/ 528 с.

3. Березницький Я. С. (за ред.) General Surgery=Загальна хірургія. — 2-ге вид. Підручник для ВМНЗ III—IV р.а.: Рекомендовано ДУ“Центр.метод.каб.з вищої мед.освіти МОЗ України”: 2020/ 328 с.
4. Christian de Virgilio, Areg Grigorian//Surgery: A Case Based Clinical Review. 2nd Ed. 2020
5. The Bethesda handbook of clinical oncology / editors, Jame Abraham, James L. Gulley. Fifth Edition. Copyright © 2019 Wolters Kluwer
6. JANE C. ROTHROCK// Alexander's Care of the Patient in Surgery. 16th Ed. 2019
7. RUTHERFORD'S VASCULAR SURGERY AND ENDOVASCULAR THERAPY, 9th ed. Volume 1, Volume 2. Copyright © 2019 by Elsevier, Inc.
8. Medical management of thyroid disease / [edited by] David S. Cooper and Jennifer Sipos. Description: Third edition. | Boca Raton: Taylor & Francis, 2019.
9. Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine, 11th Ed. Copyright © 2019 by Elsevier Inc.
10. SEIDEL'S GUIDE TO PHYSICAL EXAMINATION: AN INTERPROFESSIONAL APPROACH. Copyright © 2019 by Elsevier, Inc.
11. Clinical Anatomy and Operative Surgery=Клінічна анатомія і оперативна хірургія: Підручник для мед. ун-тів, інст., акад. Рекомендовано Вченою радою Буковинського НМУ / О.М. Слободян, В.Ю. Єршов, Г.Ю. Костюк, В.І. Півторак; за ред. В.Ю. Єршова. — К., 2018. — 504 с.
12. Bland/ Copeland/ Klimberg/Gradishar//The Breast. Comprehensive Management of Benign and Malignant Diseases. 5th Ed. 2018
13. James Chalmers, Eva Polverino, Stefano Aliberti//Bronchiectasis. 2018
14. David J. Terris// Thyroid and Parathyroid Diseases. 2nd edition. 2017
13. Sabiston Textbook of Surgery. The Biological Basis of Modern Surgical Practice, 20th Ed. 2016
14. Hamilton Bailey's Physical Signs: Demonstrations of Physical Signs in Clinical Surgery, 19th Edition Paperback – Import, by John S.P Lumley (Author), Anil K. D'Cruz (Author), Jamal J. Hoballah (Author), Carol E.H. Scott-Connor (Author) 25 Feb 2016
15. Schwartz's Principles Of Surgery With DVD Hardcover – 2014 by F. Charles Brunicaudi (Author), Dana K. Andersen (Author), Timothy R. Billiar (Author), David L. Dunn (Author), John G. Hunter (Author), & 2 More

EVALUATION

Different forms of control of classes in this discipline are used in teaching (oral, written, combined, testing, practical skills, etc.). The results of students' academic success are presented in the form of assessment on the national scale, 200-point and ECTS scale and have standardized generalized criteria for assessing knowledge:

national scale:

- mark "**excellent**" is given to the student who systematically studied during a semester, showed during differential test various and deep knowledge of a program material, is able to successfully carry out tasks which are provided by the program, has mastered the basic and additional literature, has understood interrelation of separate sections of discipline. importance for the future profession, showed creative abilities in understanding and using educational material, showed the ability to independently update and replenish knowledge; level of competence - *high (creative)*;

- mark "**good**" is given to a student who has shown full knowledge of the program material, successfully completes the tasks provided by the program, mastered the basic literature recommended by the program, showed a sufficient level of knowledge of the discipline and is able to independently update during further study and professional activity; level of competence - *sufficient (constructive-variable)*;

- mark "**satisfactory**" is given to the student who has shown knowledge of the basic educational program material in the volume necessary for the further training and the subsequent work on a profession, copes with performance of the tasks provided by the program, has made separate mistakes in answers on differential test and at performance of tasks, but has the necessary knowledge to overcome mistakes under the guidance of a research and teaching staff; level of competence - *average (reproductive)*;

- mark "**unsatisfactory**" is given to the student who did not show sufficient knowledge of the basic educational and program material, made fundamental mistakes in performance of the tasks provided by the program, cannot use the knowledge at the further training without the teacher's help, failed to master skills of independent study; level of competence - *low (receptive-productive)*.

The multi-point scale characterizes the actual success of each student in mastering the discipline. Conversion of the traditional grade from the discipline to 200-point is performed by the information and computer center of the university program "Contingent" by the formula:

grade point average (current / discipline) x 40

National mark	Balls
“5”	185 - 200
“4”	151 - 184
“3”	120 - 150

The differential test is carried out at the last lesson of the discipline based on the results of the final interview with the mandatory performance by the student of all types of study provided for in the working curriculum and evaluated for current educational activities on average not less than 3.00. The grade obtained for the answer on the differential test and the score of the average current performance during the study of the discipline are used to calculate the arithmetic mean, which is the overall grade for the discipline. In the student's record book the teacher put the grade in the discipline on the traditional and 200-point scales.

The ECTS rating scale evaluates the achievements of students in the discipline who study in one course of one specialty, in accordance with the points obtained by them, by ranking, namely:

ECTS assessment	Statistical indicator
«A»	the best 10% of students
«B»	the next 25% of students

«C»	the next 30% of students
«D»	the next 25% of students
«E»	the last 10% of students

The ECTS scale establishes the student's belonging to the group of the best or worst among the reference group of classmates (faculty, specialty), i.e. his rating. When converting from a multi-point scale, as a rule, the limits of grades "A", "B", "C", "D", "E" do not coincide with the limits of grades "5", "4", "3" on the traditional scale. Grade "A" on the ECTS scale cannot be equal to grade "excellent", and grade "B" - grade "good" and so on.

Students who receive grades "Fx" and "F" ("2") are not included in the list of ranked students. Such students automatically receive a score of "E" after retake.

The grade "Fx" is given to students who scored the minimum number of points for the current educational activity, but who did not pass the final 30 control. Grade "F" is given to students who have attended all classes in the discipline, but did not score an average score (3.00) for current academic activities and are not admitted to the final control.

Criteria for assessing the current performance of students is reflected in the work program in the disciplines, indicating a clear structure of student receipt in the assessment class.

Independent study of students.

Independent study of students, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the corresponding lesson. The assimilation of topics that are taken out only for independent study is checked at the last lesson.

Topics of independent study of students:

1. Features of the course of acute appendicitis in children, pregnant women and elderly people.
2. Surgical treatment of peptic ulcer disease.
3. Diseases of the operated stomach.
4. Pancreatic cancer.
5. Portal hypertension.
6. Obstructive jaundice.
7. Colon disease. Crohn's disease. Nonspecific ulcerative colitis.
Hirschsprung's disease.
8. Gastrointestinal bleeding

COURSE POLICY

Policy regarding deadlines and retakes: tasks are completed on time, prepare daily. For late completion of the task, the student receives an unsatisfactory grade. The retake of the lesson is carried out according to the work schedule

Academic Virtue Policy:

- The student must independently complete homework, tasks of current and final control, tasks of Krok-2.
- Rely on sources of information when using ideas, developments of other authors

Attendance and late arrivals policy.

To obtain a satisfactory grade, it is compulsory to attend and work during the classroom. A student is allowed to be late for no more than 10 minutes.

Mobile devices: students can use mobile devices in class with the teacher's permission.

Classroom behavior:

While in the classroom, the following are important: respect for colleagues; tolerance towards others; sensitivity and impartiality; the ability to agree with the opinion, but respect the personality of the opponent / s (during discussions); careful argumentation of your opinion; adherence to ethics of academic relations.