

Odesa national medical university
Department of surgery №2

Syllabus
Diagnostics and surgical treatment of mechanical jaundice

Volume	4 credits / 120 hours
Semester, year of study	IV semester 2
Days, time, place	Monday - Friday 4 - 6 Acad. hours, according to the schedule Auditorium of the Department of Surgery No. 2 (ORCMC, Sudnobudivna St., 1), surgery department of the ORCMC.
Teachers	Head of the department: Boris Zaporozhchenko, Doctor of Medicine, Professor, Honored Doctor of Ukraine, Associate professor of the department: Ihor Borodaev, Doctor of Medicine, associate professor, member of the Association of Surgeons of Ukraine; Associate professor of the department: Muravyov Petro, Doctor of Medicine, associate professor, member of the Association of Surgeons of Ukraine.
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Workplace	ORCMC 1. 3rd floor: department of surgery: offices of the Department of Surgery No. 2, lecture hall; 2. 3rd floor - docent's office
Consultations	Consultations Face-to-face consultations: <input type="checkbox"/> Thursday - from 14.00 to 16.00; <input type="checkbox"/> Saturday - from 9:00 a.m. to 1:00 p.m Online consultations on the platform (Microsoft Teams): <input type="checkbox"/> Thursday - from 14.00 to 16.00; <input type="checkbox"/> Saturday - from 9:00 a.m. to 1:00 p.m

COMMUNICATION

Face-to-face in the classrooms of the department, online via the Microsoft Teams platform, in some cases with prior warning - in Viber groups.

COURSE ABSTRACT

The subject of study of the academic discipline is diseases, the manifestations of which are jaundice, the mechanisms of their occurrence and the connection with general pathological processes.

The educational discipline ensures the preparation of applicants who possess a significant amount of theoretical and practical knowledge, abilities and skills that allow them to carry out a comprehensive assessment of the state of the body with gastrointestinal tract pathology, establish the causes of its occurrence, plan a set of diagnostic and treatment measures based on these connections, carry out scientific analysis of the obtained results and draw appropriate conclusions.

Course prerequisites and post-requisites (The place of the discipline in the educational program)

DS is based on the students' knowledge of anatomy and pathological anatomy, histology, medical and biological physics, physiology and pathological physiology, microbiology, pharmacology, hygiene, general surgery, clinical anatomy and operative surgery, medical genetics. Integrates with such disciplines as internal medicine, pediatrics, surgery, endocrinology, physiotherapy, pathophysiology, infectious diseases, toxicology, occupational pathology, and others. The educational discipline forms an idea of the relationship between the organs of the gastrointestinal tract and other body systems. It lays the foundations for the application of acquired knowledge in activities aimed at solving complex problems of science and practical medicine.

The purpose of the course

The goal is the formation of systemic knowledge about the causes, mechanisms of development, clinical manifestations, modern means of diagnosis and treatment of diseases of the gastrointestinal tract, as well as about the relationships between various structures of the gastrointestinal tract and other systems of the human body.

"Diagnosis and surgical treatment of mechanical jaundice of various genesis" as a discipline is the ability to:

- 1) solve complex problems in the field of professional medical activity;
- 2) conduct original scientific research;
- 3) create a new scientific product that is competitive on the international market;
- 4) to carry out research and innovation activities in the field of health care not based on a deep rethinking of the existing and creation of new coherent theoretical and practical knowledge and/or professional practice;
- 5) apply the results of own research in teaching activities

Expected results

As a result of mastering the content of DS, the applicant must:

Students have to know:

1. Application of scientific and professional knowledge; formulate ideas, concepts for use in surgical hematology and digestive tract surgery.
2. Demonstrate knowledge of research methodology in general and methods of a certain field of scientific interests, in particular, in case of mechanical jaundice of various genesis
3. Interpret and analyze information, correctly evaluate new and complex phenomena and problems with scientific accuracy critically, independently and creatively
4. Identify unsolved problems in biliary tract surgery and determine ways to solve them
5. Formulate scientific hypotheses, goals and tasks of scientific research
6. Independently and critically analyze and synthesize scientific data
7. To develop the design and plan of scientific research, using appropriate research methods in the field of medicine
8. To implement and improve modern research methods for mechanical jaundice of various genesis and educational activities.

Students have to be able to:

1. Invent and substantiate new methods of diagnosis, treatment and prevention of human diseases.
2. To implement and use the results of scientific research in medical practice, educational process and society.
3. To interpret the possibilities and limitations of scientific research, its role in the development of the system of scientific knowledge and society as a whole.
4. To present the results of scientific research in oral and written form in the scientific community and society as a whole in accordance with national and international standards
5. Organize the training of participants in the educational process when performing scientific and educational activities and influence their social development
6. Use ethical principles in working with patients, adhere to scientific ethics
7. Demonstrate academic integrity and act responsibly regarding the reliability of the obtained scientific results

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COURSE DESCRIPTION

Forms and methods of education

DS "Diagnosis and surgical treatment of mechanical jaundice of various genesis" consists of 4 credits (120 hours): 60 practical classes and 60 hours for individual work.

Teaching methods

When studying the discipline, the following teaching methods are used: explanatory and illustrative, problem presentation, reproductive and research methods.

Comprehensive methodological support of the educational process includes a system of educational and methodological documentation and teaching aids, which include curricula, programs, classroom equipment, textbooks and manuals, monographs, reviews of ligatures, as well as instructions for independent work in preparation for practical classes.

Independent work in the study of DS issues is provided by methodical developments with SSCW, visual teaching aids (presentations, educational films), information resources of the department, topics of independent tasks, algorithms of self-control of knowledge and skills.

Conducting final control is ensured by methodical developments for practical classes and methodical developments with SR, information resource of the department, test control system, standardized control questions, structured algorithms for control of practical skills.

Content of the academic discipline

Topic 1. Anatomical features of the structure of the hepatobiliary zone and the physiology of the biliary tract.

Topic 2. Modern methods of diagnosing the pathology of the hepatobiliary zone

Topic 3. Chronic diseases of the biliary tree and extrahepatic bile ducts

Topic 4. Diseases of the large duodenal papilla

Topic 5. Tumors of the head of the pancreas

Topic 6. Cicatricial strictures of the biliary tract. Cholangitis

Topic 7. Chronic pancreatitis

Topic 8. PHES

Topic 9. Final lesson. Test control

Recommended literature:

Main:

1. Surgery: a textbook/ Ya.S. Bereznytskyi, O.V. Belov, B.S. Zaporozhchenko and others. // Vinnytsia: Nova kniga, 2020.-528 p.
2. Surgical diseases: textbook/ Ya.S. Bereznytskyi, A.A. Viltsanyuk, N.D. Zhelyba et al.: Ed. P.D. Fomina, Ya.S. Bereznytskyi. — k.: VSV "Medicine". — 2017. — 432 p.
3. I.S. Bereznytskyi, M.P. Zakharash, V.G. Myshalov. Surgery. Volume III (Book 1). Textbook Dnipropetrovsk: RVA "Dnipro-VAL", 2012. — 780 p.
4. Surgery (basic textbook) volume C (book 3 - related specialties for intern surgeons) Textbook / edited by G.V. Dzyak — Dnipropetrovsk: RVA "Dnipro-VAL", 2014. — 828 p.
5. Surgery. Volume II. Textbook edited by Ya.S. Bereznytskyi, M.P. Zakharasha, V.G. Myshalova. - Dnipropetrovsk, Dnipro-VAL, 2011, 643 p.
6. Surgery. Volume II. Textbook edited by Ya.S. Bereznytskyi, M.P. Zakharasha, VG., Mishalova. - Dnipropetrovsk, Dnipro -VAL, 2007.
7. Lectures on hospital xipyrgy in 3 volumes. Under the editorship V. G. Mishalova. "Ascania", Kyiv, 2008.
8. Surgery. Textbook edited by M.P. Zakharasha, O.I. Go, M.D. Coach Kyiv, "Medicine", 2014, 656 p.
9. Xipyrgic diseases. Textbook edited by P.G. Kondratenko. H., "Fact". — 2006. — 816 p.
10. Surgery. Tutorial. Part 1 edited by O.B. Kutovoy. Dnipro, 2015, 287 p.
11. Surgery: a textbook/ edited by Kovalchuk A.Ya. — Ternopil: TDMU, 2010. — 1056 p.

Auxiliary:

1. Boyko V.V., Klymenko G.A., Maloshtan A.V. Choledocholithiasis (diagnosis and operative treatment). — Kh.: Novoe slovo, 2008. — 216 p.
2. Kondratenko P.G., Vasiliev A.A., Elyn A.F. etc. Emergency biliary tract surgery. — Lebed LLC, 2005 — 434 p.
3. Nychitaylo M.E., Grubnyk V.V., Kovalchuk A.L. and others. Minimally invasive surgery of bile duct pathology. K.: Medicine, 2013.-296 p.
4. Nychitaylo M.E., Grubnyk V.V., Lurin I.A. et al. Video endoscopic diagnosis and minimally invasive surgery of cholelithiasis. K.: Health, 2005.-424 p.
5. Gallstone disease: diagnosis and management. NICE Clinical guideline [CG 188] 2014. available <https://www.nice.org.uk/guidance/cg-188/chapter/1-recommendations/>

Information resources:

1. Website of Department of Surgery #2: <https://info.odmu.edu.ua/chair/surgery2>
2. Ministry of Health of Ukratna: <http://moz.gov.ua/>
3. National Scientific Medical Library of Ukraine: <http://www.library.gov.ua/>
4. Ukratna Ministry of Health Testing Center: <http://testcentr.org.ua/>

5. English-language web resource for doctors and other healthcare professionals:
<http://www.medscape.com>
6. English text database of medical and biological publications:
<http://www.pubmed.com>
7. English-language web resource for doctors and other healthcare professionals:
<https://emedicine.medscape.com/pulmology>
6. English text database of medical and biological publications:
<http://www.pubmed.com>
9. English-language web resource for doctors and other healthcare professionals:
<https://emedicine.medscape.com/pulmology>

5.

6. EVALUATION

Current control methods:

Current control is carried out on the software in accordance with the formulated tasks for each topic. When evaluating educational activities, preference is given to standardized methods of control: oral survey, evaluation of a report on the clinical analysis of thematic patients, evaluation of the ability to participate in a discussion on problematic issues. When mastering each topic for the current educational activity, the student is given traditional grades on a 4-point scale. The current academic performance is calculated as the average current score, i.e. the arithmetic average of all grades received by the graduate student (student) on a traditional scale, rounded to 2 (two) decimal places, for example 4.75.

Assessment of current discipline control

Evaluation criteria:

- "**excellent**": acquires special creative abilities, knows how to independently acquire knowledge, finds and processes the necessary information without the help of a teacher, knows how to use the acquired knowledge and skills to solve problems, is able to produce innovative ways of solving problems, convincingly argues answers, reveals independently own gifts and inclinations.
- "**good**": the learner is fluent in the studied amount of material, applies it in practice, freely solves tasks and problems in standard situations, independently corrects the mistakes made, the number of which is insignificant.
- "**satisfactory**": the student is able to master a significant part of the theoretical material, but mainly in a reproductive form, demonstrates knowledge and understanding of the main provisions, can analyze the educational material with the help of the teacher, correct errors, among which there are a significant number of essential ones.
- "**unsatisfactory**": the acquirer possesses the material at the level of individual fragments, which constitute a small part of the educational material

Only those applicants who have no academic debt and have an average score for the current educational activity of at least 3.00 are admitted to the final certification.

Forms and methods of final control:

The final control in the form of a credit in the form of an individual interview is carried out at the final class after successful assimilation of all topics of the DS "Liver disease. Liver Echinococcus". Students who have attended all classroom classes prescribed by the DS, completed the entire volume of SR and have an average score for the current educational activity of at least 3.00 are admitted to the credit.

The grade for the discipline is the arithmetic average of two components: the average current score as the arithmetic average of all current grades; traditional credit assessment

The average score for the discipline is translated into a traditional evaluation of the discipline on a 4-point scale and is considered as the ratio of this arithmetic average to the percentage of assimilation of the required amount of knowledge in the given subject.

Conversion of the traditional grade in the discipline on a multi-point scale: performed by the information and computing center of the university. The obtained average grade for the discipline by multiplying it by 40 (the obtained grade is rounded to whole numbers) is converted into a grade on a 200-point scale, which, in turn, is converted into a traditional grade on a discipline on a 4-point scale.

The average score for the discipline. The grade for the discipline on a 200-point scale Discipline assessment on a 4-point scale (traditional assessment)

4.62–5.0	185–200	5
3.77-4.61	151-184	4
3.0-3.76	120-150	3

Self-control students` work (SSCW)

Makes 50% of the DS volume and includes: pre-auditory and extra-auditory preparation for lectures, software in accordance with thematic plans; work in departments of the clinical base of the department, including laboratories and the department of functional diagnostics, interpretation of data from laboratory and instrumental research methods related to the problems of gender and age-related cardiology in extra-auditory time; learning practical skills with the help of a phantom
 □ KRSP Harvey, working with patients; individual work: speech at the clinic's scientific and practical conference, writing articles, etc.

The teachers of the department provide the opportunity to carry out SSCW and during the PW and the exam conduct control and evaluation of its implementation.

COURSE POLICY ("rules of the game")

Deadlines and Rescheduling Policy.

Tasks must be completed on time according to the deadline (class schedule). For untimely completion of the assignment, the graduate student receives an unsatisfactory grade. If the student of higher education was absent from classes for any reason, then the practice is carried out within the deadlines set by the

teacher in accordance with the "Regulations on the organization of the educational process at ONMedU" (link to the regulations on the university's website <https://onmedu.edu.ua/wp-content/uploads/2020/01/osvitnijproces.pdf>). The rescheduling of credit is carried out in accordance with the schedule approved by the dean's office.

Academic Integrity Policy

The policy of the educational component is based on the principles of academic integrity (the provision is available on the university website <https://onmedu.edu.ua/wp-content/uploads/2020/07/polozhennja-prodobrochesnist.pdf>) and is determined by the system of requirements that the teacher presents to the applicant when studying the educational component: a) independent performance of educational tasks, tasks of current and final control of learning results (for persons with special educational needs, this requirement is applied taking into account their individual needs and capabilities); b) references to sources of information in the case of using ideas, developments, statements, information.

Attendance and Tardiness Policy

In order to receive a satisfactory grade, it is mandatory to attend and work during classroom classes (lectures and software). Late arrivals are not welcome. The applicant is allowed to be late for a good reason for no more than 10 minutes.

Mobile devices

Use of telephones and computer facilities without the permission of the teacher is a violation of discipline. Mobile devices are allowed to be used only during online testing.

Behavior in the audience

The course involves working in a team (group, members of the department's team, employees of the department's clinical base). All communication environments are friendly, creative, open to constructive criticism. The following values are supported: respect for colleagues; tolerance for others; receptivity and impartiality; argumentation of agreement or disagreement with the opinion of other participants in the discussion, as well as one's own opinion; respecting the dignity of the opponent's personality during communication; compliance with the ethics of academic relationships

Developers:

Head

**Department of Surgery No. 2,
doctor of medicine, professor
Honored Doctor of Ukraine Zaporozhchenko B.**

Head teachers

**Department of Surgery No. 2,
Doctor of Medicine, associate professor Borodaev I.
Department of Surgery No. 2
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