

Odessa National Medical University
Department of Urology and Nephrology
Syllabus

"Differentiated approach to the treatment of oncurological diseases"

Amount	4 credits (120 hours)
Semester, year of study	3rd symester, 2nd year
Days, time, venue	According to schedule
Teacher (s)	Teachers of the chair of Urology and nephrology
Contact phone	(048) 705-91-46
E-mail	prof.kostev@gmail.com
Workplace	Premises of the Urology and Nephrology chair
Consultations	Face to face consultations: Thursday 14:00-15:00

COMMUNICATION

Communication is possible during face-to-face consultations (offline / Facetoface), or remotely (online) using Teams (by prior agreement). Communication can also be carried out using E-mail. At the same time, it is necessary to indicate your surname, first name, course, faculty and name of the course in the subject of the letter. Solving "work issues" is possible at the specified phone number.

COURSE ABSTRACT

The program of a selective educational discipline (SED) determines the prerequisites for access to education, the orientation and main focus of the program, a list of general and special (professional, subject) competencies, normative and variable content of specialist training, formulated in terms of results training, and requirements for quality control of higher education. Competencies, normative and variable content of specialist training, formulated in terms of learning outcomes, and requirements for quality control of higher education. "Differentiated approach to the

therapeutic tactics of oncological diseases" - an Educational discipline that is taught in the 2nd year of postgraduate study and belongs to the surgical disciplines. The discipline specializes in the study of anatomic-clinical and physiological features of the organs of the genitourinary system, modern methods of diagnosis of oncological diseases, verification of received data and ways of applying information to solve scientific and practical problems.

Course prerequisites: the academic discipline is based on knowledge of anatomy and pathological anatomy, histology of 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, gynecology, neurology, endocrinology, physical therapy, skin diseases, venereal diseases, infectious diseases, toxicology, professional pathology and others.

Postrequisites of the course: oncology forms an idea of the relationship between the organs of the genitourinary system 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 "Differentiated approach to the therapeutic tactics of oncological diseases" is the formation of systematic knowledge about the causes, mechanisms of development, clinical manifestations, modern means of diagnosis and treatment of oncological diseases of the genitourinary system, as well as about the relationships between various structures of the genitourinary system and other systems human body.

Tasks of the discipline:

1. Solve complex problems in the field of professional medical activity. Conduct original scientific research.
2. To create a new scientific product, competitive on the international market.
3. To carry out research and innovation activities in the field of health care based on deep rethinking of existing and creation of new coherent theoretical or practical knowledge and/or professional practice.
4. Apply the results of own research in teaching activities.

Expected results:

- To apply scientifically professional knowledge, to formulate ideas and concepts for the purpose of using educational and scientific direction in the work.
- Demonstrate knowledge of research methodology in general and methods of a certain field of scientific interests, in particular.

- Interpret and analyze information, correctly evaluate new and complex phenomena and problems with scientific accuracy critically, independently and creatively.
- Identify unsolved problems in the subject area of medicine and determine ways to solve them.
- Formulate scientific hypotheses, the purpose and tasks of scientific research.
- Analyze and synthesize scientific data independently and critically.
- Develop the design and plan of a scientific study using appropriate research methods in the field of medicine.
- Implement and improve modern research methods in the chosen direction of the scientific project and educational activity.
- To invent and substantiate new methods of diagnosis, treatment and prevention of human diseases. Implement and use the results of scientific research in medical practice and the educational process.
- 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.
- 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.
- Manage the work of a team of students, researchers, colleagues, and an interdisciplinary team.
- To organize the training of participants in the educational process in the performance of scientific and educational activities and to influence their social development.
- Evaluate the effectiveness of the educational process, recommend ways to improve it.
- Use ethical principles in working with patients, laboratory animals, adhere to scientific ethics.
- Demonstrate good academic integrity and act responsibly with regard to the reliability of the obtained scientific results.

An aspirant (applicant) must be able to:

- Carry out palpation for oncological diseases
- Carry out research through the rectum

- Evaluate and interpret the data of instrumental and general laboratory examinations in urological and oncurological diseases
- To know the technique of cystoscopy
- To be able to establish indications for surgical interventions in urological and oncurological diseases
- Interpret the data of the ultrasound examination of the kidney, urinary bladder, prostate gland and portal organs
- Provide emergency care for urological diseases
- Carry out pre-operative preparation of patients with urological and oncurological diseases

COURSE DESCRIPTION

Forms and methods of education

The educational discipline "Differentiated approach to treatment tactics of oncurological diseases" consists of 4 ECTS credits (120 hours): 60 classroom hours and 60 hours for independent work.

During the teaching of the discipline, the following teaching methods will be 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, literature reviews, as well as instructions for independent work in preparation for practical classes.

Content of the academic discipline:

Topic 1. History of development and current state of scientific knowledge in the specialty "Oncurology". Medical, social and epidemiological issues of urology. New directions of scientific research in the specialty "Oncurology". Peculiarities of teaching urology at VMNH, the technology of the pedagogical process. Methodical and methodological foundations in the preparation and teaching of oncurology by postgraduate students.

Topic 2. Modern methods of laboratory and instrumental diagnostics in urology. Radiation and radionuclide diagnostics. Radiological and radiographic methods of research of oncurological diseases. Diagnostic values of ultrasound examination in oncological patients. Computer and magnetic resonance imaging in the diagnosis of diseases of the genitourinary organs. Uroflowmetry, cystometry.

Topic 3. Kidney tumors. Etiology, pathogenesis. clinic, diagnostics and modern methods of treatment.

Topic 4. Bladder tumors. Etiology, pathogenesis. clinic, diagnostics and modern methods of treatment.

Topic 5. Tumors of the ureter. Urothelial cancer. Etiology, pathogenesis. clinic, diagnostics and modern methods of treatment.

Topic 6. Testicular tumors. Etiology, pathogenesis. clinic, diagnostics and modern methods of treatment.

Topic 7. National programs for the prevention, diagnosis and treatment of the most common oncological diseases of the genitourinary system in Ukraine.

Topic 8. Modern methods of rehabilitation of patients with the most common oncological diseases. Basic accounting medical documentation in health care institutions.

List of recommended literature:

a) main:

1. S.P. Pasechnikov; Urology: textbook/ Ed. S. P. Pasyechnikova, S. A. Vozianov, V. N. Lesovy [and others]. - View. 3rd – Vinnytsia: New Book, 2019.
2. Pasechnikov S.P. Modern problems of urology: [manual]: doctor's guide/ S.P. Pasechnikov, V.I. Zaitsev. - Kyiv: B-ka Health of Ukraine; 2017.
3. Stus V.P. Urology (practical skills for intern doctors) / V.P. Stus, S.P. Pasechnikov. Teaching and methodical manual. - Dnipropetrovsk: Akcent PP LLC, 2016.
4. Sarychev L.P. Symptoms of urological diseases: method. rec. For teachers / L. P. Sarychev, S. M. Suprunenko, S. A. Sukhomlyn, Ya. V. Sarychev. – Poltava, 2019.
5. Atlas-manual on urology. Ed. A.F. Vozianova, A.V. Lulko Dnipropetrovsk, 2002.-T. 1,2,3.
6. O.V., Lyulko, O.F. Vozianov Textbook "Urology" 3rd edition. Thresholds Dnipropetrovsk. - 2012 p.
7. "Urology (Methodical development of practical classes for students)" edited by Professor V.P. Stusya, second edition, supplemented. / A.P. Stus Moieinko M.M., Fridberg A.M., Pollion M.Yu., Barannik K.S., Suvaryan A.L., Krasnov V.M., Kryzhanivskyi O.Yu. - Dnipro: Accent LLC. - 2018. - 336c.
8. Urology: textbook for students. higher med. academic established: translation from Ukrainian publications / S.P. Pasechnikov, S.A. Vozianov,

V.N. Lesovoy, F.I. Kostev, V.P. Stus, et al./ Ed. S.P. Pasechnikov - Edition 2. - Vinnytsia: Novaya Knyga, 2015. - 456 p.: illus.

9. Urology: textbook for students of higher medical education institutions /S.P. Pasechnikov, S.O. Vozianov, V.M. Lesovoy (et at.); ed. by Pasechnikov. / S.R. Pasechnikov, S.O. Vozianov, V.M. Lesovoy (et at.) - Vinnytsia: Nova Knyha, 2016. - 400

10. EAU Guidelines, edition presented at the 28th EAU Annual Congress, Milan 2021. ISBN 978-90-79754-71-7. EAU Guidelines Office, Arnhem, The Netherlands.

11. Urology / Ed. Prof. O.S. Fedoruk - Chernivtsi: Bukovyna State Medical University, 2011. - 344p.

b) additional:

1. Boyko M.I., Pasechnikov S.P., Stus V.P. and others Clinical andrology // Doctor's guide "Androlog". - K.: LLC "Library "Health of Ukraine", 2013. - 222 p.

2. Sarychev L.P. Clinical anatomy and physiology of organs of the urinary and male reproductive system: method. rec. for teachers / comp. L. P. Sarychev, S. A. Sukhomlyn, S. M. Suprunenko. – Poltava, 2019. – 11 p.

3. Sarychev L.P. Symptoms of urological diseases: method. rec. for teachers / L. P. Sarychev, S. M. Suprunenko, S. A. Sukhomlyn, Ya. V. Sarychev. – Poltava, 2019. – 14 p.

4. Martyn I. Rezyk, Andrew K. Novyk. Secrets of urology. / Trans. with English - M.: "Izdatelsto Bynom", 1997r.-352c.

5. Medical student's library. Urology. Edited by F.I. Kosteva. - Odesa, 2004. - 296c.

6. F.M. Hanno, S.B. Malchkovych, A.Dzh. Wayne Guide to clinical urology - 3 editions. - M.: OOO "Medical Information Agency", 2006. - 544c.

Information resources:

University website <https://onmedu.edu.ua>

Library: library.odmu.edu.ua

EVALUATION

- Entrance and final knowledge level control tests on the topic of practical training.
- Oral answer to standardized questions for the materials of the current topic.
- Solving typical and atypical clinical situational problems.
- Control of practical skills.
- Final control.

Scheme of accrual and distribution of points received by graduate students

Current control. Evaluation of the success of the study of subjects of the discipline is carried out according to the traditional 4-point scale. At the end of the study of the discipline, the current success rate is calculated as the average current score, i.e. the arithmetic average of all the grades obtained by the graduate student according to the traditional scale.

Final control. The study of the academic discipline ends with a test. Post-graduate students (seekers) who have not missed lectures and classes and have worked up missed classroom commas and have an average grade of at least 3.00 receive credit.

Conducting the ***final control*** is ensured by methodical developments for practical classes and methodical developments with CP, visual teaching aids (presentations, educational films), information resource of the department, topics of independent tasks, algorithms of self-control of knowledge and skills.

COURSE POLICY

Deadlines and Rearrangement Policy. All missed classes must be made up. Lectures are practiced by writing essays on the subject of the lesson. Practical classes are completed according to the consultation schedule.

Students do not have the right to redo the grade of the last lesson (differentiated assessment) and current satisfactory and unsatisfactory grades in order to increase the arithmetic average of all current grades.

Students have the right during the semester to retake current unsatisfactory grades only for the purpose of achieving a current grade point average of 3.00.

Academic Integrity Policy: inadmissible write-offs, student must be fluent in material.

Policy regarding class attendance and tardiness: the student must not miss lectures and practical classes, absences for valid reasons must be informed in advance to the teacher, tardiness is not desirable.

Mobile devices: it is not allowed to use a mobile phone, tablet or other mobile devices during the class (except for cases provided by the curriculum and methodical recommendations of the teacher).

Behavior in the audience: creative, businesslike, friendly atmosphere.