

SYLLABUS

INTERNATIONAL EUROPEAN
UNIVERSITY



SCHOOL OF
MEDICINE

UROLOGY

2023



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Discipline



UROLOGY

Teacher(s)



Nasheda Sergey Vasilyevich

Profile of the teacher(s)



<https://medicine.ieu.edu.ua/pro-yemsh/kafedry/kafedra-klinichnykh-dystsyplin>

Consultations

Face-to-face consultations



Third Thursday of the month from 15:00 to 16:00

Online consultations



Second Friday of the month from 15:00 to 16:00

Contact phone number



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Discipline page



<https://medicine.ieu.edu.ua/pro-yemsh/kafedry/kafedra-klinichnykh-dystsyplin>

Form of final control

off

differentiated offset

exam



1 Brief summary of the discipline

"Urology" is a clinical discipline, during the study of which students master the basic basic theoretical knowledge on diseases of the urinary and male genital systems, studies and develops issues of their diagnosis, treatment and prevention. Mastering the theoretical material is accompanied by the acquisition of relevant integral, general and professional competences.

2 Prerequisite for the course

The discipline "Urology" is based on the knowledge gained by students during the study of such fundamental disciplines as anatomy, histology, physiology, pathological anatomy, pathological physiology, propedeutics of internal medicine, pharmacology, and lays down a system of special medical knowledge, skills and abilities designed to solve specific problems in clinical practice related to the treatment of diseases of the urinary and male genital systems.

3 Purpose and objectives of the discipline

The purpose of teaching the discipline "Urology" is to master the methods of diagnosis, treatment and prevention of diseases of the urinary and male genital system, especially those that are most common.

The main objectives of the discipline "Urology" are: mastering the clinical anatomy, physiology and methods of examination of the urinary and male genital system; etiological and pathogenetic factors of diseases of the urinary and male genital system;

To be able to: make a preliminary diagnosis of the most common urological diseases; determine the tactics of treatment of the patient with the most common diseases of the urinary and male genital system; diagnose and provide emergency medical care to patients with urological pathology; use the basic principles of prevention of urological diseases.

4 Learning outcomes

PLO-1	Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integrating knowledge. To be responsible for professional development, the ability to further professional training with a high level of autonomy.
PLO-3	Specialised conceptual knowledge, including scientific achievements in the field of health care and the basis for research, critical thinking of medical problems and related interdisciplinary issues.
PLO-4	Identify and identify the leading clinical symptoms and syndromes (according to list 1); using standard methods, using preliminary data from the patient's history, examination of the patient, knowledge of the person, his/her organs and systems, establish a preliminary clinical diagnosis of the disease (according to list 2).
PLO-5	Collect complaints, anamnesis of life and disease, assess the patient's psychomotor and physical development, the state of organs and body systems, and evaluate information on the diagnosis (according to List 4) based on the results of laboratory and instrumental studies, taking into account the patient's age.
PLO-6	To establish the final clinical diagnosis by making an informed decision and analysing the obtained subjective and objective data of clinical, additional examination, conducting differential diagnosis, following the relevant ethical and legal standards, under the supervision of a supervising physician in a healthcare facility (according to list 2).

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Learning outcomes

PLO-7	Prescribe and analyse additional (mandatory and optional) methods of examination (laboratory, functional and/or instrumental) (according to list 4), patients with diseases of organs and body systems for differential diagnosis of diseases (according to list 2).
PLO-8	Determine the main clinical syndrome or what causes the severity of the victim's/injured person's condition (according to list 3) by making an informed decision and assessing the person's condition in any circumstances (in a healthcare facility, outside it), including in an emergency situation and hostilities, in the field, in conditions of lack of information and limited time.
PLO-9	Determine the nature and principles of treatment of patients (conservative, surgical) with diseases (according to list 2), taking into account the patient's age, in a health care facility, outside it and at the stages of medical evacuation, including in the field, based on a preliminary clinical diagnosis, observing the relevant ethical and legal standards, by making an informed decision according to existing algorithms and standard schemes, if necessary, expand the standard scheme, be able to justify personalised recommendations under the supervision of a medical supervisor
PLO-10	Determine the necessary work, rest and nutrition regime based on the final clinical diagnosis, in compliance with relevant ethical and legal standards, by making an informed decision based on existing algorithms and standardised schemes.
PLO-14	Determine the tactics and provide emergency medical care for urgent conditions (according to list 3) in a time-limited environment in accordance with existing clinical protocols and standards of care.
PLO-17	Perform medical manipulations (according to List 5) in a healthcare facility, at home or at work based on a preliminary clinical diagnosis and/or patient's condition indicators by making an informed decision, following the relevant ethical and legal standards.
PLO-18	Determine the state of functioning and limitations of a person's vital activity and the duration of disability with the preparation of relevant documents, in a healthcare facility, based on data on the disease and its course, the person's professional activity, etc. Maintain medical records for the patient and the population on the basis of regulatory documents.
PLO-21	Find the necessary information in professional literature and databases from other sources, analyse, evaluate and apply this information.
PLO-22	Apply modern digital technologies, specialised software, statistical methods of data analysis to solve complex healthcare problems.
PLO-24	To organise the necessary level of individual safety (own and of persons under his/her care) in the event of typical dangerous situations in the individual field of activity.
PLO-27	Communicate fluently in the state language and English, both orally and in writing, to discuss professional activities, research and projects.

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ECTS Credits

The discipline takes 90 hours of 3 ECTS credits to study.

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Structure of the discipline

Topic	Lessons	Practice	Independent	Individual



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<i>Content module 1: Clinical anatomy, physiology, research methods and malformations of the urinary and male reproductive system</i>				
1. Clinical anatomy and physiology of the urinary system. Malformations of the urinary system.		2	3	
2. Semiotics of urological diseases.		3	3	
3. Modern and endoscopic methods of diagnosis and treatment in urology		2	3	
<i>Content module 2. Inflammatory diseases and urolithiasis</i>				
1. Acute pyelonephritis.	2	2	3	
2. Chronic pyelonephritis, pyonephrosis, retroperitoneal fibrosis, acute paranephritis.		3	3	
3. Nephrogenic arterial hypertension.		2	3	
4. Cystitis, prostatitis, urethritis, cavernitis, epididymitis.		3	3	
5. Tuberculosis of the urinary tract and male genital organs.		2	3	
6. Urolithiasis, hydronephrosis.	2	3	3	
7. Parasitic diseases in urology.		2	3	
<i>Content module 3: Traumatic injuries and neoplasms of the urinary and male genital system</i>				
1. Traumatic injuries.	2	3	3	
2. Neoplasms.	2	2	2	
3. Acute and chronic renal failure.		3	3	
<i>Content module 4. Emergency care for diseases of the urinary and male reproductive system</i>				
1. Emergency care for diseases of the urinary and male genital system Urinary and male reproductive system organs. Genitourinary fistula in women.	2	2	4	
Differential offset		4		
Total hours	10	38	42	

7 Signs of discipline

Term of Teaching	Semester	International disciplinary integration	Course (year of study)	Cycles: general training/ vocational training/ free choice
0,5 year	VIII	Yes	4st	Vocational training

8 Evaluation system and requirements

Current control is carried out on the basis of control of theoretical knowledge, practical skills and abilities. The forms of current control are: oral questioning (frontal, individual, combined), interview; practical testing of the formed professional skills (conducted on the basis of the results of solving clinical cases, working with medical documentation, performing practical skills, working at the patient's bedside); test control ("open" and "closed" test tasks).

Current control is mandatory. When assessing the mastery of each topic in all disciplines of the curriculum, the student is given grades on a 4-point (traditional) scale for current learning activities, taking into account



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the approved assessment criteria for the discipline. All types of work provided by the curriculum are taken into account. The student must receive a grade for each topic. The teacher conducts a survey of each student in the group at each lesson and gives a grade in the student's attendance and progress record on a traditional scale ("5", "4", "3", "2").

When assessing a student's current learning activities, 20% of the grade is based on the student's independent work, which takes into account the knowledge of the topic of the independent lesson and the work in the notebook.

The final (summative) control is carried out: in the form of a written control work, which includes test tasks, theoretical questions; control of practical skills (solving clinical cases, assessing the correctness of practical skills - a practice-oriented exam.

In accordance with the specifics of professional training, preference is given to test and practice-oriented control.

The final control of the discipline is based on the control of theoretical knowledge, practical skills and abilities.

Differential credit is a form of final control of the student's mastery of theoretical and practical material in the discipline.

The maximum number of points for a discipline is 200 points. The ratio between the results of the assessment of current learning activities and the final control of knowledge is 60% and 40%.

The study of the discipline ends with the final control in the form of a differential test.

QR Code: <https://ieu.edu.ua/docs/pol-ornzvoems.pdf>

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Conditions for admission to the final control

Only those students who have no academic debt (all missed classes have been made up) and whose average grade for the current academic activity in the discipline is at least "3" are allowed to take the differential examination.

The maximum number of points that a student can gain for current academic activities to be admitted to the exam is 120 points and is determined as the sum of the arithmetic mean of all grades obtained in the semester.

The minimum number of points that a student must score for current academic activities to be admitted to the exam is 72 points. Recalculation of the average grade for current academic performance (on a 120-point scale)

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Discipline policy

A prerequisite for a successful educational process is personal compliance by each student of a higher education institution with the rules of conduct accepted both at the university and in society. The future doctor must have a high level of behavioural culture, behave with dignity, tact, and self-control.

The student must be on time for classes and wear academic medical uniform (white coat or surgical suit).

The student must adhere to the schedule of the educational process, come to class prepared on the topic of the lesson. During the class, the student must not leave the classroom without the permission of the teacher; use a mobile phone and other means of communication and information without the permission of the teacher, engage in outside activities, distract other students. When writing different types of papers, students must adhere to the rules of academic integrity.

The teacher must adhere to the implementation of the curriculum, objectively assess students' knowledge and skills. During the educational process, the teacher must be aware of anti-corruption measures and not engage in corrupt activities.

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Policy on absences and late assignments

A student who, for valid reasons, confirmed by documentary evidence, was not subject to current control has the right to pass the current control within two weeks after returning to study.

A student who was absent from classes without valid reasons, did not participate in the current control activities, did not eliminate academic debt, is not allowed to take the final semester control of knowledge in



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this discipline, and on the day of the exam, the academic staff member gives the grade "not admitted" in the examination record. Retaking the differentiated test in the discipline is assigned subject to the completion of all types of educational, independent (individual) work provided for in the working curriculum of the discipline and is carried out in accordance with the schedule of liquidation of academic debt approved by the directorate.

QR Code: <https://ieu.edu.ua/images/AndreyContent/docs/16.pdf>

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Academic integrity policy

Participants in the educational process are guided by the principles of academic integrity

QR Code: <https://ieu.edu.ua/images/AndreyContent/docs/16.pdf>

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Recommended sources of information

Main (basic)

1. Kvyatkovska T. A. Structure and function of the upper urinary tract: a monograph [Text] / Kvyatkovska T. A. - Dnipro: RIA Dnipro-VAL, 2015. 414 p.
2. "Urology" by S.P. Pasechnikov, Vinnytsia: New book, 2019.
3. Kolpakov IS Urolithiasis: help to the student [Text] / Kolpakov IS - Moscow: Academy, 2016. 222 p.
4. Lisovyi V.M., Arkatov A.V., Knigavko O.V. Male infertility: etiopathogenesis, diagnosis, treatment. KH: KHNMU. - 2011. - 128 p.
5. Urology. Modern protocols of medical care: scientific and medical publication / edited by professor S.P. Vinnytsia: Nova Knyha, 2015. - 432 p.
6. Obian I.A. Urolithiasis in pills and schemes: inform. Spravy. [Text] / Abodian I.A., Sknar V.A. - Rostov n/D, 2015.- 196 p.
7. Akker, L.V. Ishuria u hyperactive'nykh zhinakh v reproductive, peri- i menopausal'nykh periodakh [Ishuria in hyperactive women in the reproductive, peri- and menopausal periods]. - Moscow: Med. inform. agency, 2015. . - 176 p.

Additional

1. Alyaev Y.G., Krapivin A.A. Renal resection in cancer - Moscow: Medicine, 2001.
2. Urology. Current protocols of medical care provision: scientific and medical publication / for ed. Professor S.P. Pasechnikov. - Vynnytsa: "New Book", 2015. - 432 p.
3. EAU Guidelines. Edn. presented at the EAU Annual Congress Milan 2021. ISBN 978-94- 92671-13-4.
4. Glandular prostatectomy in the surgical treatment of benign prostatic hyperplasia: a textbook / Edited by V.I. Gorovyi, V.O. Shapirynskyi, I.V. Baralo, O.M. Kapshuk. - Vinnytsia: Tvory LLC, 2021. - 336 p.
5. Radical prostatectomy / edited by. R. Kirby, F. Montorsi, P. Gontero, J.A. Smith, D.Y. Pushkar; translated from English, edited by D.Y. Pushkar. - Moscow: GEOTAR-Media, 2011. - 280 p.
6. Manual of clinical urology: First ed. / Ed. by F.M. Hanno, S.B. Malkovich, A.J. Wayne - 3rd ed. - Moscow: Medical Information Agency LLC, 2006. - 544 p.
7. Urology by Donald Smith. Edited by E. Tanaho, J. McAninch. First ed. - Moscow: Praktika, 2005. - 819 p.
8. Netter F. H. Atlas of Human Anatomy / F. H. Netter. - 7th ed. - Philadelphia: Elsevier, 2019. - XVI, 535, I-42 p. : il. - (International edition). Copies: 200 - ILL (200).
9. Clinical laboratory diagnostics: a textbook / O. I. Voloshyn [et al.]-2018.

Information resources:

1. Website of the European Association of Urology <https://uroweb.org/>
2. AMA (American Medical Association) <https://www.ama-assn.org/>
3. The National Health and Medical Research Council (NHMRC) <https://www.nhmrc.gov.au>
4. Eastern Association for the Surgery of Trauma <https://www.east.org/>

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Tips for successful studying on the course

If you want to be successful in this discipline, you need to:

1. Be active, persistent, inquisitive, consistent
2. Be neat and polite



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3. Systematically prepare for practical classes
 4. Perform tasks for independent work and defend them in class.
 5. To be present at the class in a medical gown
 6. To solve tests and tasks independently, to work actively in class.
 7. Prepare presentations and crosswords on the discipline. Participate in student scientific conferences and engage in research work in the department's scientific circles.

I wish you perseverance, dedication and motivation to learn. And then success will come to you! See you in class!

Don't forget your medical gowns!