

Odessa National Medical University
Faculty of Medicine No 2
Department of Urology and Nephrology
Silabus course
"Urology"

Size	3 credits ECTS
Term, academic year	VIII term, 4 course
Days, time, place	According to the timetable
Educator(s)	Teachers in the Department of Urology and Nephrology
Contact phone number	(048) 705-91-46
E-mail	prof.kostev@gmail.com
Workspace	Urology and nephrology department premises
Consultations	In-person consultations: Thursday 14:00-15:00

COMMUNICATION

Communication is possible in face-to-face consultations (offline/facetoface) or remotely (online) via Teams (by prior arrangement). Communication can also take place via E-mail. Please state your name, course, faculty and course title in the subject line. Telephone numbers can be used to solve your "work-related problems".

COURSE SUMMARY

The subject of the course "Urology" includes: arrangements for sanitary-epidemic regime in the urological clinic; dressing material and methods of its application; bleeding and methods of its temporary and final stopping; transfusion of donor blood components, complications of hemotransfusion and their prevention; basics of anesthesiology and intensive care; clinic, diagnosis, first aid, treatment principles for traumatic injuries; general issues of urological infection; clinic, diagnosis, treatment, prevention of certain types of trauma; urological diseases and their prevention.

Course prerequisites: The discipline is compulsory and builds on students' study of fundamental disciplines such as human anatomy and physiology, pathological physiology, radiology, general surgery (with operative surgery and topographical anatomy) and is integrated with surgery, oncology, internal medicine, phthisiology, anaesthesiology and intensive care.

Post requisites of the course: provides the basis for students to study family medicine and emergency medicine, to integrate teaching with these disciplines and to be able to apply knowledge of urology in their further education and professional life.

The aim of the "Urology" course is to provide tertiary education recipients with skills in diagnosis, treatment and rehabilitation of patients with urinary tract and male genital tract infections.

Objective of the discipline:

- to acquire systematic knowledge of the organisation of urological care and the prevention of the spread of nosocomial infections;
- to develop practical skills in the use of dressings;
- learning how to care for urological patients;
- Introduction to the principles of local and general anaesthesia, diagnosis of terminal conditions, clinical death and basic life support measures;
- Introduction to the fundamentals of transfusiology and techniques for transfusion of donor blood components and the prevention of blood transfusion complications;
- Learning how to diagnose and provide first aid for a variety of traumatic injuries, and how to treat traumatic injuries in an inpatient setting;
- mastering the general knowledge of urological infection, the ability to diagnose inflammatory urological diseases;
- learning the principles and characteristics of the treatment of various urological diseases and how to prevent them;
- Introduction to the basics of transplantology;
- acquiring knowledge of the fundamentals of oncurology;
- To develop practical skills in examining a urological patient and documenting the results in the medical record of an inpatient.

Expected results:

- learning the basic activities needed to organise the urology department and prevent the emergence and spread of nosocomial infections;
- practise changing dressings using different dressing materials;
- practice first aid for conditions such as haemorrhage, closed soft tissue injuries,
- Acquiring practical skills in preparing and carrying out transfusions of donor blood components
- learning the basics of local and general anaesthesia, acquiring the ability to choose the method of anaesthesia depending on the condition of the patient and the existing urological pathology;
- acquisition of practical skills for diagnostics and differential diagnosis of various urological diseases; acquisition of skills in selecting a treatment programme and means of prevention in case of urological infection;
- learning about the specifics of the use of different transplants, deontological and legal aspects of transplantation

- acquisition of skills and abilities for the examination of the surgical patient and registration of the results in the relevant medical documentation;
- to develop moral, ethical and deontological qualities in professional communication with the patient.

COURSE DESCRIPTION

Forms and methods of learning. The course will be presented in the form of lectures (6 hours) and practical (34 years), organisation of students' independent work 50 hours).

During the teaching of the discipline will be used the following teaching methods: verbal (lecture, conversation); visual (multimedia presentations, charts, tables, radiographs, operating theatre) practical classes; method "standardized patient", development of practical skills on moulage, work with the textbook (independent work of students), performance of individual independent tasks. Group consultations (3 hours per week according to the schedule of consultations).

Content of the discipline:

Content module 1:

Topic 1: Clinical anatomy and physiology of the urinary and male genital systems.

Topic 2: Symptoms of urologic diseases

Topic 3: Examination methods of urological diseases.

Topic 4: Diseases of the urinary and male genital system.

Topic 5. Nephroptosis. Hydronephrosis.

Content Module 2:

Topic 6. acute pyelonephritis.

Topic 7. Chronic pyelonephritis, pyonephrosis, acute paranephritis.

Topic 8. Nephrogenic arterial hypertension.

Topic 9. Cystitis, prostatitis, urethritis, cavernitis, epididymitis.

Topic 10. Urinary and male genital tuberculosis,

Topic 11. Parasitic diseases in urology.

Topic 12. Urolithiasis.

Content Module 3:

Topic 13. Traumatic injuries to the urinary and male genital organs.

Topic 14. Neoplasms of the urinary and male genital system organs.

Topic 15. Acute and chronic renal failure.

Topic 16. Transplantation. Deontological aspects, legal and legal grounds. Donor selection.

Topic 17. Neurogenic urinary disorders

Content Module 4:

Topic 18. Urgent care for urological diseases.

Topic 19. Urogenital fistula in women.

List of recommended literature.

(a) Basic:

1. Lyulko A.V., Voizianov A.F. Urology. Dnepropetrovsk, 2011.
2. Urology / Edited by Professor S.P. Pasechnikov. Vinnitsya, "Nova kniga", 2015.
3. Urology / Edited by Professor S.P. Pasechnikov. Vinnytsia, Novaya kniga, 2015.
4. Urology. Edited by Professor S.P. Pasiechnikov. Vinnytsia. Nova Knyha, 2016.

b) additional:

1. Pasechnikov S.P., Zaitsev V.I. Modern problems of urology in the practice of the family physician: a physician's handbook. Kiev: LLC "Library" Zdorov'e Ukrainy ", 2015. 126 c.
2. Stus V.P., Pasiechnikov S.P. Urology (practical skills for physicians-interns). Textbook. Dnipropetrovsk: TOV "Accent PP", 2015. 282 c.
3. Stus V.P., Pasechnikova S.P. Urology (practical skills for interns). Textbook. Dnepropetrovsk: Accent PE LLC, 2016. 282 c.
4. Sarychev L.P. Clinical anatomy and physiology of the urinary and male genital system organs: method. guideline for teachers / co. L. P. Sarychev, S. A. Sukhomlin, S. M. Suprunenko. Poltava, 2019. 11 c.
5. Sarychev L.P., Suprunenko S.M., Sukhomlin S.A., Sarychev V. Symptoms of urological diseases: method. guideline for teachers. Poltava, 2019. 14 c.
6. Urology. Current protocols of medical care: a scientific and medical publication / edited by S.P. Pasechnikov. Moscow: LLC "Doktor-Media", 2011.

EVALUATION

Evaluation of students' independent work. Independent work of students, which is included in the topics of practical classes, is assessed during the current control of the assimilation of the topics of sections in the relevant classroom sessions. The assimilation of topics, which are carried out only for independent work, is checked during the differential credit.

The number of points for different types of individual independent work of the student depends on its volume and importance, but not more than 10-12 points. These points are added to the sum of the points gained by the student for the current academic activities, but the total amount of points should not exceed 120 points.

Assessment of the student's individual assignments. In order to increase the arithmetic average of all grades received by the student in the discipline, a grade for individual tasks is awarded to the student only if they successfully complete and defend them. The grade is added to the current grade.

Current performance. The assessment of the success of each topic in the discipline is carried out on a traditional 4-point scale.

Current learning activities of students are controlled in practical classes in accordance with the specific objectives and during the individual work of the teacher with the students.

Such methods of control of results of student learning are used: oral questioning on the topic of the class; testing; solving situational tasks; conducting clinical examinations of patients in the department, interpretation and evaluation of their results, justification of the diagnosis, determination of indications for operations, analysis and evaluation of the results of instrumental and laboratory tests; control of practical skills of first aid and the like.

At the end of the discipline, the current grade is calculated as the average current grade, i.e. the arithmetic mean of all grades received by the student on a traditional scale, rounded to the hundredths (e.g. 4.46).

The final control of the discipline. The form of the final control of knowledge is differential credit, which is carried out at the last class. Students are allowed to the final control, who have completed all types of work provided by the curriculum, do not have academic arrears and during the study of the discipline gained an average number of points for the current academic activities, not less than the minimum - 3.00.

The form of differential credit is standardized and includes an oral questioning of students, which is conducted by the head of department, professor or deputy head of department. Determinations of assimilation of the material (on one question of the three sections) are: evaluation of theoretical and practical training of the student on a 4-point (traditional) scale.

Assessments of the discipline. The university uses different forms of control of classes in a particular academic discipline (oral, written, combined, testing, practical skills, etc.). The results of the academic progress of students are given in the form of grades on a national scale, 200-point scale and ECTS scale and have standardised generalised criteria for assessing knowledge:

national scale:

- an "excellent" grade is awarded to a student who has worked systematically during a semester, has shown during the exam a versatile and profound knowledge of the programme material, is able to successfully perform the tasks envisaged by the programme, has mastered the content of basic and additional literature, has understood the interrelation of individual sections of the discipline, their importance for the future profession, has discovered creative abilities in understanding and using the curriculum material, has shown the ability to update and replenish knowledge independently;

level

- A "good" grade is awarded to a student who demonstrates full knowledge of the curriculum material, successfully completes the tasks assigned by the programme, has absorbed the basic literature recommended by the programme, has sufficient knowledge of the discipline and is able to independently update and supplement it during further studies and professional activities; the level of competence is sufficient (constructive and varied);

- a "satisfactory" grade is awarded to a student who has demonstrated knowledge of the basic curriculum material to the extent necessary for further studies and subsequent work in the profession, copes with the tasks provided by the programme, has made some mistakes in answering the examination and in completing the examination tasks, but has the necessary knowledge to overcome the mistakes under the guidance of a scientific-pedagogical worker; the level of competence is average (reproductive);

- The grade of "unsatisfactory" is given to a student who does not have sufficient knowledge of the basic curriculum material, has made fundamental mistakes in completing the tasks in the programme, cannot use the knowledge in further studies without the help of the teacher, has not been able to master the skills of independent work; the level of competence is low (receptive-productive).

A multi-point scale describes each student's actual performance in completing a course of study.

The conversion of a traditional grade in a discipline into a 200-point grade is done by the University Computer Centre using the "Contingent" programme according to the formula: ***grade point average (current / in discipline) x 40***

National score	points
«5»	185-200
«4»	151-184
«3»	120-150

The ECTS ranking scale evaluates the achievements of students in a discipline who are studying in the same course in the same speciality, according to the points they receive, by ranking them, namely:

Score ECTS	Statistical indicator
«A»	Top 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 a student's belonging to the group of the best or the worst among the reference group of fellow students (department, speciality), i.e. his/her rating. When converting from a multi-point scale, as a rule, the boundaries of "A", "B", "C", "D", "E" grades do not coincide with the boundaries of "5", "4", "3" grades on the traditional scale. An "A" grade on the ECTS scale cannot equal an "excellent" grade and a "B" grade cannot equal a "good" grade, etc.

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

A grade of "Fx" is awarded to students who have received the minimum number of points for current academic activities but who have not been given a final grade. The grade "F" is given to the students who attended all classroom sessions in the discipline, but did not receive an average score (3.00) for the current learning activities and were not allowed to the final control.

Criteria for assessing the current progress of students should be reflected by the departments in the work programmes for the disciplines, indicating a clear structure for obtaining a grade by the student in the class.

COURSE POLICY

A policy on deadlines and resubmissions. All missed lessons must be worked on. Lectures are worked through by writing essays on the topic of the class. Practical classes are worked over according to the schedule of consultations.

Students do not have the right to retake the grade of the last class (differential credit) and current satisfactory and unsatisfactory grades in order to increase the arithmetic average of all current grades.

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

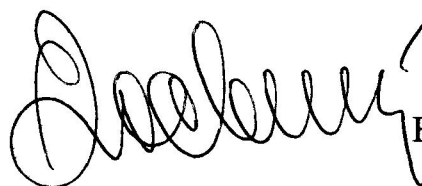
A policy on academic virtue: You must not cheat, you must be fluent in the material.

Attendance and lateness policy: Students should not miss any lectures or practical sessions; they should inform the teacher in advance if they are absent for a valid reason; tardiness is not desirable.

Mobile devices: No mobile phone, tablet or other mobile device may be used during class (except in accordance with the syllabus and teacher's instructions)

Behaviour in the classroom: a creative, businesslike, welcoming atmosphere.

Head of the Department of Urology
and Nephrology, prof.



F.I. Kostyev