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Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY
First Vice-Rector
_____ / Trankovskaya L.V./
"9" мая 2025

DISCIPLINE WORK PROGRAM

Б1.О.44 Urology

(name of discipline)

Specialty	**31.05.01 General Medicine for international students (in English)** (code, name)
Degree	Specialist's degree
Profile	02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system)
Mode of study	Full-time
Period of mastering the BEP	**6 years** (nominal length of study)
Institute	of Surgery

Vladivostok, 2025

Program of the discipline **Б1.О.44 Urology** is based on:
1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 988 of Ministry of Science and Higher Education of the Russian Federation
dated August 12, 2020.

2) Curriculum for the 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia, Report No. 8/24-25 dated March 31, 2025.

Work program for the discipline was developed by the writing team of the Institute of Surgery of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the director of the institute, Doctor of Medical Sciences, Professor Kostiv E.P.

Developed by:

Professor	Doctor of Medical Sciences	Danilov V.V.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.О.44 Urology

The purpose of mastering the discipline is to achieve general professional and professional competencies necessary to perform professional functions outlined in the occupational standard.

Objectives of mastering the discipline:

1. Develop basic knowledge of urology and adjacent subjects, organization of healthcare; develop mindset of a doctor, the ability to apply acquired knowledge in practice;
2. Prepare for work with individual patients, population, available means and technologies created to achieve conditions necessary to protect population health;
3. Achieve the full set of competencies for the discipline as outlined in the Federal State Educational Standard of Higher Education.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.44 Urology** is included in the Mandatory part of the Unit 1 of the basic educational program for the specialty 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), and is part of the 7th semester's curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.44 Urology** is aimed at the development of students' competencies. The discipline facilitates the development of students' competencies corresponding to the types of professional activity.

Name of competency category (group) / Labor function	**Code and Name of competency of the graduate**	**Competency Indicators**
General Professional Competencies		
Etiology and pathogenesis	GPC-5. Is able to assess morphofunctional status, physiological states, and pathological processes in the human body when working to achieve objectives of professional activity	CI.GPC-5_1- assesses the morphofunctional state based on the acquired knowledge CI.GPC-5_2- distinguishes between pathological and physiological processes, identifies etiology of changes CI.GPC-5_3- provides diagnostic assessment of the identified changes
Professional Competencies		
A/01.7 Providing emergency or urgent medical care to the patient	PC-2 Ability and readiness to recognize urgent and life-threatening conditions in acute surgical pathology, traumatic conditions, diseases of the female genital organs and pregnancy requiring urgent and emergency medical care	CI.PC-2_1- has a grasp of life-threatening conditions in acute surgical pathology, traumatic conditions, pregnancy and childbirth, that require urgent and emergency medical care; CI.PC-2_2- demonstrates skills and selects the tactics of patient management in infectious and noninfectious diseases requiring emergency and urgent medical care; CI.PC-2_3- diagnoses life-threatening and emergency conditions in diseases of the organs of visual system and ENT organs, determines the tactics of patient management and providing emergency medical care

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.О.44 Urology**:

Types of professional activity objectives

1. *Medical*

Kinds of professional activity objectives

1. *Diagnostics*
2. *Treatment*

3.3. Planned learning outcomes of mastering the discipline are represented by knowledge, skills, abilities and/or experience, characterize the stages of developing competencies and ensure achievement of the planned outcomes of mastering the basic educational program. Learning outcomes of a discipline are correlated with competency indicators.

4. SCOPE AND CONTENT OF THE DISCIPLINE

4.1. Scope of the Discipline and Types of Academic Work

Type of Academic Work		**Total Hours**	**Semesters**
			7
			hours
1		2	3
Classroom hours (total), including:		**50**	**50**
Lectures (L)		14	14
Practical classes (C)		36	36
Independent work of the student (IW), including:		**22**	**22**
Electronic educational resource (EER)		7	7
Writing a medical record		4	4
Preparing for classes (CP)		5	5
Preparing for continuous assessment (CAP)		3	3
Preparation for interim assessment (IAP)		3	3
Interim assessment			
Type of interim assessment	pass/fail test (T)	T	T
	exam (E)		
TOTAL: TOTAL credit value	hrs.	**72**	**72**
	credits	**2**	**2**

4.2. Contents of the Discipline

4.2.1. Topics of Discipline Lectures and Academic Hours per Semester

No.	**Lecture Topic**	**Hours**
1	2	3
	Semester No. 7	
1.	Organization of urological medical aid. Theory basis of clinical urology	2
2.	Renal colic. Acute urinary retention. Hematuria. Anuria	2
3.	Injury of the urinary bladder. Injury of the urethra. Injury of the organs of the scrotum and the penis. Injury of the kidney. Injury of the ureter	2
4.	Calculi of the kidney and the ureter. Calculi of the urinary bladder	2
5.	Nonspecific inflammatory diseases of the organs of the urinary system	2
6.	Benign prostatic hyperplasia (BPH). Prostate cancer	2
7.	Lesions of the kidney. Lesions of the urinary bladder	2
	Hours per semester total	**14**

4.2.2. Topics of Discipline Practical Classes and Academic Hours per Semester

No.	Practical Class Topic	Hours
1	2	3
	Semester No. 7	
1	Organization of urological medical aid. Theory basis of clinical urology. Basics of surgical anatomy, clinical physiology, and pathophysiology of the urinary system. Semiotics. Diagnostic methods in urology	6
2	Renal colic. Acute urinary retention. Hematuria. Anuria	6
3	Injury of the urinary bladder. Injury of the urethra. Injury of the organs of the scrotum and the penis. Injury of the kidney. Injury of the ureter	6
4	Calculi of the kidney and the ureter. Calculi of the urinary bladder	6
5	Nonspecific inflammatory diseases of the organs of the urinary system. Pyelonephritis. Paranephritis. Nephroptosis. Acute and chronic cystitis. Acute prostatitis. Chronic prostatitis. Acute nonspecific urethritis. Epididymitis	6
6	Benign prostatic hyperplasia (BPH). Prostate cancer	6
7	Lesions of the kidney. Lesions of the urinary bladder	
	Hours per semester total	**36**

4.2.3. Independent Work of the Student

No.	Name of the Discipline Section	Type of IW	Total Hours
1	3	4	5
	Semester No. 7		
1	Organization of urological medical aid. Theory basis of clinical urology. Basics of surgical anatomy, clinical physiology, and pathophysiology of the urinary system. Semiotics. Diagnostic methods in urology	Writing a report on independent work results; working with tests	3
2	Renal colic. Acute urinary retention. Hematuria. Anuria	Writing a report on independent work results; working with tests	4
3	Injury of the urinary bladder. Injury of the urethra. Injury of the organs of the scrotum and the penis. Injury of the kidney. Injury of the ureter	Writing a report on independent work results; working with tests	4
4	Calculi of the kidney and the ureter. Calculi of the urinary bladder	Writing a report on independent work results; working with tests	4
5	Nonspecific inflammatory diseases of the organs of the urinary system. Pyelonephritis. Paranephritis. Nephroptosis. Acute and chronic cystitis. Acute prostatitis. Chronic prostatitis. Acute nonspecific urethritis. Epididymitis	Writing a report on independent work results; working with tests	4
6	Benign prostatic hyperplasia (BPH). Prostate cancer	Writing a report on independent work results; working with tests	3
7	Lesions of the kidney and the urinary bladder	Writing a report on independent work results; working with tests	2
	Hours per semester total		**22**

5. REQUIREMENTS FOR IMPLEMENTATION OF DISCIPLINE

5.1. Discipline Requirements for Educational Materials and Provided Information

Essential reading

No.	Name/Title, Resource Type	Author(s)/Editor	Publisher Imprint, Web Address	Number of Copies (accesses) in the Library and Information Center
1	2	3	4	5
1	Urology: textbook for universities	B.K. Komyakov	“GEOTAR-Media”, 2018	61
2	Urology: textbook for universities	P.V. Glybochko, Yu.G. Alyaev	“GEOTAR-Media”, 2014	28
3	Urology: national edition	N.A. Lopatkin	“GEOTAR-Media”, 2013	55

Supplementary reading

No.	Name/Title, Resource Type	Author(s)/Editor	Publisher Imprint, Web Address	Number of Copies (accesses) in the Library and Information Center
1	2	3	4	5
1	Urology [Electronic resource] textbook	S.Kh. Al-Shukri, V.N. Tkachuk	http://studmedlib.ru	Unlimited access
2	Urology [Electronic resource] textbook	B.K. Komyakov	http://studmedlib.ru	Unlimited access
3	Urology. Illustrated practical guide [Electronic resource] textbook	Yu.G. Alyaev, N.A. Grigoriev	http://studmedlib.ru	Unlimited access

Online resources

1. Electronic library system "Student Consultant" http://studmedlib.ru/
2. Electronic library system "University Library Online"http://www.biblioclub.ru/
3. Electronic library system "Urait" https://urait.ru/
4. Electronic library system "BookUp" https://www.books-up.ru/
5. Resources owned by the Library and Information Center of FSBEI HE PSMU of the Ministry of Health of Russia https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/

Online resources and respective user guides are available on the Library and Information Center website Library and Information Center — PSMU (tgmu.ru)

5.2. Discipline Requirements for Facilities and Resources

Information on the facility and resource availability and requirements of the discipline is available on the Facility and resource availability and requirements. FSBEI HE PSMU of the Ministry of Health of Russia (tgmu.ru)" page of the official website of the university.

5.3. List of Information Technologies, Information and Reference Systems, Licensed and Free Software (Including Domestically-developed Software):

1. PolycomTelepresence M100 Desktop Conferencing Application (Videoconference system)
2. SunRav Software tTester
3. 7-PDF Split & Merge
4. ABBYYFineReader
5. Kaspersky Endpoint Security
6. INDIGO online testing system
7. Microsoft Windows 7
8. Microsoft Office Pro Plus 2013
9. 1C:University
10. GARANT system
11. MOODLE (Modular Object-Oriented Dynamic Learning Environment)

6. ASPECTS OF THE IMPLEMENTATION OF THE DISCIPLINE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

6.1. Availability of Accessible Environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant; buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

6.2. Ensuring Compliance with General Requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

6.3. Availability of the Internal Policies and Procedures of FSBEI HE PSMU of the Ministry of Health of Russia to Students with Disabilities in a Format Accessible to Them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a format accessible to them.

6.4. Increase in the Time Limit of Interim Assessment for Students with Disabilities and Special Needs in Relation to the Established duration

Format of the interim assessment of academic performance within the scope of the discipline conducted for students with disabilities and special needs is selected taking into account individual characteristics of the students (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the

written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours.

7. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.01 General Medicine for international students (in English) specialty; list of the aforementioned personnel is available on the website of the educational organization.

8. TUTORIAL WORK

Type of tutorial work	Forms and approaches to tutorial work	Assessment criteria
Assistance in personal growth	Overt Talks and problem-centric debates aimed at promotion of healthy lifestyle. Participation in interdepartmental conferences aimed at formation of healthy lifestyle and development of skills necessary to preserve and improve health.	Portfolio
	Covert – creating atmosphere and infrastructure. Developing a culture of healthy lifestyle, the ability to preserve and improve health. Creating atmosphere of kindness and respect with a high level of communication during implementation of the discipline.	
Civic position and values	Overt Conducting events that facilitate development of civil culture (roundtable discussions, discussions/debates, and talks). Short discussions on current significant events in case the latter occur.	Portfolio
	Covert Focusing on civic values-oriented position and legal awareness. Cultivating mindful social position during professional activity.	
Social values	Overt Highlighting aspects of organization of healthy lifestyle based on health-preserving technologies. Highlighting ecology-related questions, environmental issues as a factor affecting population health and select population risks.	Portfolio
	Covert Identification in social structure during period of education and in professional activity.	