

	<p>Федеральное государственное бюджетное образовательное учреждение высшего образования “Волгоградский государственный медицинский университет” Министерства здравоохранения Российской Федерации</p> <p>Образовательная программа Специальность 31.05.01 “Лечебное дело” (уровень специалитета)</p>	<p>УЧЕБНО-МЕТОДИЧЕСКИЙ КОМПЛЕКС ДИСЦИПЛИНЫ “УРОЛОГИЯ”</p>
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**Topic plan for Urology seminar classes
for students in the educational program
of the specialty 31.05.01 General Medicine,
University entrance years 2022- 2023,
orientation (profile) General Medicine,
full-time form of study
for the 2025-2026 academic year**

№	THEMATIC BLOCK	Academic hours
Semester 6		
1.	Organization of inpatient and outpatient care in the field of "Urology" in the Russian Federation. Examination of a urological patient. ¹ Legal aspects of providing medical care in the field of urology (323-FL, order N907n, clinical recommendations) to the adult population of the Russian Federation. Collection of complaints, anamnesis, objective examination of a urological patient. Examination, palpation, percussion and auscultation of the urinary system and male genital organs. ²	4
2.	Anatomy and physiology of the urinary and male reproductive systems. ¹ Anatomy, topography and physiology of the kidneys, ureter, and bladder. Anatomy, topography and physiology of the penis, scrotum, testicles and prostate gland. ²	4
3.	Semiotics of urological diseases. The main laboratory and instrumental diagnostic methods in urology. ¹ The concept of qualitative and quantitative urinary disorders. The concept of dysuria, types of dysuric disorders. Laboratory and instrumental research methods in urology. Magnetic resonance imaging, X-ray, ultrasound, radioisotope and endoscopic research methods in the diagnosis of urological diseases. Methods of urodynamics research. ²	4
4.	Abnormalities of the urinary system organs. Abnormalities in the development of the male reproductive system ¹ Abnormalities of the number, size, shape, position and structure of the kidneys. Abnormalities of the ureter, bladder, and urethra. Abnormalities in the development of the	4

	penis, testicles, and prostate gland. ²	
5.	Urolithiasis. ¹ Etiology, pathogenesis, epidemiology of urolithiasis. Mechanisms of formation of concretions in the urinary tract. Classification of stones. The clinical picture of stones of various localization. The clinical picture of renal colic and methods of its relief. Methods of instrumental and laboratory diagnosis of urolithiasis. Conservative litholytic and litokinetic therapy. Indications and contraindications for surgical treatment. Surgical methods of treatment of concretions in the urinary system. Metaphylaxis of urolithiasis. ²	4
6.	Prostatic hyperplasia. ¹ Etiology, pathogenesis and epidemiology of BPH and BPH. The clinical picture of the conditions. Methods of non-instrumental diagnostics. Instrumental diagnostics of BPH and PC. Complications. The concept of acute urinary retention, methods of its relief. Methods of conservative therapy. Indications and contraindications for surgical treatment. Methods of surgical treatment. Algorithms for early diagnosis and prevention of prostate cancer and BPH. ²	4
7.	Prostate cancer. ¹ Etiology, pathogenesis and epidemiology of prostate cancer. The clinical picture of the condition. Methods of non-instrumental diagnostics. Instrumental diagnosis of prostate cancer. Complications. Differential diagnosis of BPH and PC. Methods of conservative therapy. Indications and contraindications for surgical treatment. Methods of surgical treatment. Algorithms for early diagnosis and prevention of prostate cancer. ²	4
8.	Neurogenic dysfunction of the urinary tract. ¹ Physiology of the act of urination. Classification of neurogenic urinary tract dysfunctions (neuroanatomic, according to the degree of involvement of structures of the nervous system). The clinical picture of neurogenic dysfunctions of the lower urinary tract. The concept of hyperactive and hypoactive bladder. Methods of conservative and operative correction of conditions. ²	4
9.	Urinary incontinence. ¹ Types of urinary incontinence. Urinary incontinence in women, men and children. Etiopathogenesis of stress urinary incontinence. The clinical picture of various forms of urinary incontinence. Diagnosis and treatment of urinary incontinence in women. ²	4
10.	Urinary fistulas. ¹ Definition, types of urinary fistulas. Clinical picture, diagnosis and treatment of urinary fistulas. ²	4
11.	Non-inflammatory diseases of the male genital organs. ¹ The concept of phimosis, paraphimosis, Peyronie's disease, priapism. Causes, clinical picture, methods of laboratory and instrumental diagnostics. Methods of correction of conditions. ²	4
Semester 7		
1.	Inflammatory diseases of the urinary system. ¹ General information about infectious and inflammatory diseases of the urinary system. Acute	6

	pyelonephritis. Chronic pyelonephritis. Cystitis. Urethritis. Urosepsis. ²	
2.	Inflammatory diseases of the organs of the male reproductive system. ¹ General information about infectious and inflammatory diseases of the organs of the male reproductive system. Prostatitis. Orchoepididymitis. Fournier's gangrene. Specific infections of the male genital organs. ²	6
3.	Injuries to the urinary system and male genital organs. ¹ Injuries to the kidneys, ureters, bladder, urethra (injury mechanism, classification, clinical picture, diagnosis and treatment). Penile and scrotal injuries (injury mechanism, classification, clinical picture, diagnosis and treatment). ²	6
4.	Oncourology (tumors of the kidney, upper urinary tract, bladder). ¹ Renal cell carcinoma, urothelial cancer of the upper urinary tract (epidemiology, etiopathogenesis, clinic, diagnosis and treatment, early diagnosis and prevention). Bladder cancer (epidemiology, etiology, pathogenesis, clinical manifestations, diagnosis, treatment and methods of early diagnosis and prevention). Penile cancer (epidemiology, clinical picture, diagnosis and treatment, methods of early diagnosis and prevention). Testicular tumors (etiopathogenesis, clinical picture, diagnosis and treatment, methods of early diagnosis and prevention). ²	6
5.	Male infertility. Sexual dysfunctions in men (ejaculation and erection disorders). Non-inflammatory diseases of the organs of the male reproductive system. ¹ The concept of phimosis, varicocele, hydrocele, spermatocele, funiculocoele, Peyronie's disease. Causes, clinical picture, methods of laboratory and instrumental diagnostics. Methods of correction of conditions.	6
6.	Urethral strictures. Etiology and pathogenesis of urethral constriction. Clinical picture and diagnosis. Methods of surgical treatment of urethral strictures. Male infertility (epidemiology, definition, classification, methods of correction of the condition). Erectile dysfunction (erectile dysfunction). Ejaculation disorders. ²	6
	Summary	80

¹ - topic

² - the content of the topic

Approved upon urology department conference, protocol 16 upon 28.05.2025.

Head of the department, D.Sc. (Medicine), professor



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