

SYLLABUS

Subject:	<i>Urology</i>		
Study Programme:	<i>General medicine</i>	Study Period:	<i>1 semester</i>
Evaluation:	graduated	Subject Type:	required
Content:	14 hours lectures, 14 hours of practical		<i>Total 28 hours</i>

Department:

<i>Week</i>	<i>Lectures</i>	<i>Practical Lessons</i>
1.	<p>Developmental disorders of the urinary tract in childrens (kidney, ureter, urinary bladder, vesiconal reflux, megaureter, hydronephrosis - diagnostics and treatment)</p> <p>Developmental disorders of genital tract in childrens (cryptorchidism, hypospadias, epispadias, phimosis- diagnostics and treatment)</p>	<p>History of Urology, place of Urology in surgical departments, division of urology at other subspecialty, medical history, physical examination of urological patient, prostate and genital examination, peculiarities in urology, urodynamics and others methods, the importance of these methods, demonstration of investigative methods, ESWL</p>
2.	<p>Urolithiasis (pathophysiology, hyperparathyroidism, examination of patients with stones, treatment concretions in the urinary tract)</p> <p>Obstruction of the upper urinary tract (etiology, pathophysiology, diagnosis and treatment)</p> <p>Lower urinary tract obstruction (pathophysiology, BPH, acute urinary retention, chronic retention, medical therapy, surgical methods of treating BPH)</p>	<p>Examination of the urological patient by teachers, students examination of the patient, the patient's presentation, clinical analysis of the patient, determine working and definitive diagnosis, differential diagnostic procedures</p>
3.	<p>Acute conditions in urology (anuria, renal colic, hematuria, diagnosis and treatment)</p> <p>Acute and chronic renal failure, renal transplantation collection, kidney transplantation</p>	<p>Examination and collection of urine in urology, physical and chemical examination of urine, microscopic examination of urine, meaning urine tests, differences of urine collection for men, women and children, urine testing methods, practical demonstration urine tests</p>
4.	<p>Kidney tumors (carcinoma, nephroblastoma et al.), Retroperitoneal tumors</p> <p>Tumors of the urinary bladder and urothelial carcinoma of the upper urinary tract</p> <p>Tumors of the adrenal gland</p> <p>Prostate cancer</p>	<p>Catheterisation for men and women catheterization in children</p> <p>procedure of catheterization for men, women and children,</p> <p>kinds and types of catheters, temporary and permanent catheter, urine derivation and derivative methods, epicystostomy, nephrostomy, video ureterostomy, ureteral catheters</p>

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5.	Injury of the kidney and urinary tract Illness content scrotum (hydrocele, varicocele, epididymal cyst), acute scrotum (torsion, epididymitis, orchitis)	Endoscopic examination and treatment methods in urology, live monitoring endoscopic procedures
6.	Basic methods of the urine derivation Erectile dysfunction and impaired fertility	Imaging methods in urology (USG, X-ray, CT, MRI, radionuclide methods), samples USG examinations Radiographs of the state examinations, ultrasound demonstration X-ray department of urology
7.	Incontinence of urine (etiology and pathophysiology, urodynamic examination , treatment of incontinence) Neurogenic disorders of the bladder (etiology, pathophysiology, treatment , incontinence in the elderly)	Working on the urological outpatient department, work at consultant outpatient department, Practical examples of investigation of urological patients. Knowledge test for students of urology.