

QUESTIONS FOR PRACTICAL CLASSES FOR 5TH YEAR STUDENTS

TOPIC №1. Introduction to the discipline "Urology". Symptoms of urological diseases. Examination of the urological patient.

1. History of urology.
2. Symptoms of urologic diseases.
3. Evaluation of the urologic patient.

TOPIC №2. Non-specific inflammatory diseases of the genitourinary system.

1. Acute pyelonephritis: clinic, diagnostics and tactics of treatment. Indications for conservative and surgical treatment. Bacteremic and bacteriotoxic shock, therapeutic tactics. Principles of surgical intervention for acute pyelonephritis. Efferent detoxification methods.
2. Acute paranephritis. Pyonephrosis. Clinic diagnostics, treatment.
3. Cystitis: classification, etiopathogenesis, symptoms, diagnosis, treatment.
4. Urethritis: etiopathogenesis, classification, clinical picture, diagnosis, treatment.
5. Acute prostatitis. Treatment principles. Indications for surgical treatment, principles of operations. Abscess of the prostate gland.
6. Vesiculitis. Epididymitis. Orchitis.
7. Cavernitis, paracystitis, Ormond's disease, Fournier's disease.

TOPIC № 3. Urolithiasis.

1. Urolithiasis. Etiopathogenesis. Changes in the kidneys and urinary tract due to impaired passage of urine as a result of complete or partial occlusion. Morphology and chemical composition of stones.
2. Renal colic and its differential diagnosis. Methods for the diagnosis of kidney and ureteral stones. Ultrasound and R-diagnostics. Indications and contraindications for conservative treatment of kidney and ureteral stones. Medication and physiotherapy. Remote and contact lithotripsy. Indications and contraindications for various methods of treatment. Sanatorium treatment of patients with urolithiasis.
3. Stones of the bladder, urethra. Clinical picture and diagnostics of calculi of the bladder and urethra (ultrasound, endoscopic and radiological diagnostics). Treatment.

TOPIC № 4. Abnormalities of the kidneys and urinary tract. Nephroptosis. Male genital anomalies

1. Abnormalities of the kidneys and renal vessels. Types of anomalies. Basic diagnostic methods.
2. Anomalies of the pelvis and ureters.
3. Hydronephrosis. Classification. Etiopathogenesis. Clinic. Modern methods for the diagnosis of hydronephrosis. Surgical treatment, indication for it.
4. Vesicoureteral reflux, megaureter.
5. Anomalies of the bladder.
6. Abnormalities of the urethra. Diseases of the scrotal organs: hydrocele,

spermatocyst, spermatocele, varicocele.

7. Nephroptosis. Etiopathogenesis. Clinic. Diagnostics. Treatment.

TOPIC № 5. Tumors of the genitourinary organs.

1. Tumors of the kidney and ureter. Etiopathogenesis. Classification. Benign and malignant tumors. Renal (hematuria, pain, palpable mass, varicocele) and extrarenal (hyperthermia, weight loss, erythrocytosis, arterial hypertension) symptoms. Modern classification of tumors with isp. TNM systems. Features of the clinical course of papillary cancer and hypernephroid cancer. Basic principles of treatment.

2. Tumors of the retroperitoneal space. Classification. Symptomatology, diagnosis, treatment.

3. Tumors of the bladder. Etiopathogenesis. Classification. Ways of metastasis and spread of bladder cancer. Clinic, diagnostics, treatment.

4. Tumors of the urethra.

5. Tumors of the testicle and its epididymis. Pathogenetic significance of testicular injury and ectopia in tumor development. Classification. Modern methods of diagnostics of testicular tumors, diagnostics of testicular tumors and their metastases.

6. Penile cancer. Prevalence. Classification. The role of phimosis and balanoposthitis in the etiopathogenesis of penile cancer. Clinic. Diagnostics. Combined treatment. Prevention.

TOPIC № 6. Injuries to the organs of the urinary system.

1. Acute kidney trauma.

2. Injury to the bladder.

3. Damage to the ureter.

4. Injury to the urethra and penis.

TOPIC № 7. Tumors of the prostate gland.

1. Benign prostatic hyperplasia. Etiopathogenesis. Clinical course. Acute urinary retention, first aid. Stages of BPH. Diagnostics and diff. Diagnostics. Surgical treatment of BPH. Assessment of the quality of life according to the International IPSS system before and after treatment.

2. Prostate cancer. Etiopathogenesis Clinic. Stages of the disease. Metastasis of prostate cancer. Diagnostics. Prostate biopsy. Differential diagnostics. Indications for surgical treatment. Immediate and long-term results of treatment.