**Speciality "Medical Care"**

**ACADEMIC DISCIPLINE "UROLOGY"**
**SURGICAL MODULE 3**

| | |
|---|---|
| **Academic discipline outline** | Methods of examination of patients with urological pathology, etiology, pathogenesis, clinical picture, diagnostics, differential diagnostics and treatment of urological diseases. |
| **Resulting skills** | Specialized competence.To carry out diagnostics and provide primary and specialized medical care for surgical diseases, injuries, urological diseases, and the most common malignant neoplasms. |
| **Learning outcomes** | A student must:<br>**know:**<br>the etiologies, pathogenesis of the most common urological diseases;<br>the clinical picture of these diseases and their complications and classification;<br>the algorithm of patient examination, i.e. the classical scheme of the patient's medical history in relation to the nosological unit;<br>modern methods of clinical, laboratory, instrumental examination of patients; methods of treatment and indications for their use;<br>deontological aspects in urology.<br>**To be able to:**<br>collect anamnesis, conduct general clinical examinations of patients with urological diseases<br>analyze data from general clinical examinations;<br>create a plan for using laboratory and instrumental methods of patient examination<br>analyze data from laboratory and instrumental methods of examination;<br>formulate a detailed clinical diagnosis, to substantiate it on the basis of a differential diagnosis;<br>formulate indications for conservative and surgical treatment;<br>perform the most common medical manipulations;<br>provide first medical aid for acute urological diseases and in extreme situations.<br>**master:**<br>technique of catheterization of the bladder elastic catheter in acute urinary retention; |

| | |
|---|---|
| | technique of suprapubic puncture of the bladder in acute urinary retention in the impossibility of catheterization elastic (metal) catheter;<br>method and technique of palpation of the patient's kidneys in lying and standing positions;<br>method and technique of palpation and percussion of the bladder;<br>method and technique of examination of scrotum;<br>the methodology and technique of digital rectal examination;<br>the algorithm for examining patients with renal colic, acute urinary retention, macrohematuria, acute renal failure, anuria, genitourinary injuries, acute obstructive pyelonephritis and acute scrotum syndrome;<br>methods of care for patients with total urinary incontinence, permanent cystostoma, nephrostoma, urethrocutanostoma, a urinary retention syndrome requiring systematic catheterization of the bladder;<br>skills in completing medical documentation |
| **Semester(s)** | 10 semester<br>11/12 semester - the sub-residency profile is “General Medical Practice”. |
| **Prerequisite** | Medical Biology and General Genetics.<br>Human Anatomy.<br>Normal Physiology.<br>Histology, Cytology, Embryology.<br>Pathological Anatomy.<br>Microbiology, Virology, Immunology.<br>Pharmacology.<br>Propaedeutics of Internal Diseases.<br>Topographic Anatomy and Operative Surgery.<br>General Surgery. |
| **Credit value** | 2 credits |
| **Academic hours** | 108 academic hours, of which:<br>53 class hours<br>The sub-residency profile is “General Medical Practice”:<br>54 academic hours, of which 35 class hours |
| **Forms of midterm attestation** | Credit |