

**SUBJECTS FOR THE COMPETITION EXAM**  
**FOR THE POSITION OF ASSOCIATE PROFESSOR**  
**position 16 from The State of Functions of**

**The Department of Surgical Discipline from the academic year 2023-2024**

1. Urine formation.
2. Physiology and pathophysiology of renal hemodynamics. Exploration of renal hemodynamics.
3. Renal factors in hydro electrolytic, acid-base and metabolic regulation.
4. Tests for assessing renal function (blood, urine, combined, provoked).
5. Vascular, lymphatic investigations of the male urinary and genital system (arteriography, renography, lymphography) and isotopic investigations.
6. Imaging investigations of the urinary system (P.R., I.V.U., C.S., ultrasound, computed tomography, MRI).
7. Endotoxic shock M.S.O.F.
8. Quantitative disorders of diuresis.
9. Acute renal failure. Obstructive anuria.
10. Chronic renal failure due to urological causes.
11. Urinary semiology (pollakiuria, dysuria, incomplete retention of urine, complete retention of urine, pyuria, hematuria, urinary incontinence, pain in urological diseases).
12. Anomalies of the urogenital system.
13. Hydronephrosis.
14. Renal ptosis.
15. Trauma of the uro-genital system in men and women.
16. Acute and chronic pyelonephritis of urological cause.
17. Pionephritis.
18. Pionephrosis.
19. Perinephritis.
20. Acute cystitis syndrome. Non-specific chronic pericystitis and cystitis.
21. Urethritis, periurethritis (including those with genital transmission). Genital gangrene.

22. Chronic and acute prostatovesiculitis (prostatic abscess, vesicular emphysema, etc.).
23. Acute and chronic orchiepididymitis.
24. Urinary lithiasis.
25. Renal parenchymal tumors (in adults and children).
26. Tumors of the upper urinary tract.
27. Retroperitoneal tumors (in adults and children).
28. Prostatic tumors.
29. Bladder tumors.
30. Urethral tumors.
31. Penile tumors.
32. Scrotal tumors (testis, epididymis, spermatic cord, membranes).
33. Tumors of the adrenal gland.
34. Benign prostate hypertrophy.
35. Diseases of the bladder neck.
36. Urogenital tuberculosis.
37. Urethral strictures.
38. Hydrocele and intravaginal collections.
39. Spermatic cord torsion.
40. Varicocele.
41. Phimosis, Paraphimosis.
42. Priapism.
43. Erectile dysfunction and male infertility.
44. Urinary incontinence.
45. Renovascular hypertension.
46. Neuropathic bladder.
47. Retroperitoneal fibrosis.
48. Peyronie's disease.

## **BIBLIOGRAPHY**

1. Tratat de Urologie. I. Sinescu. First edition, Editura Medicala, Bucharest, 2008.
2. Campbell-Walsh Urology Review. W. Scott McDougal & Alan J. Wein & Louis R. Kavoussi & Alan W. Partin & Craig A. Peters. Elsevier, 2016.