

**Teaching timetable at the dept. of urology – 4th year general medicine, Faculty of
Medicine Charles University in Plzen**

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Place of practices:

Dept. of Urology, Faculty of Medicine Charles University in Plzen and University hospital
Plzen- Bory, E. Beneše 13, 305 99, building no. 22, 4th floor (lecture room)

Lectures:

Will be specified by dean

Winter semester:

- Credit

Summer semester:

- Credit, exam (practical exam, written test, oral examination)

Timetable of practices

– winter/summer semester – 7 x 2 teaching hours (90min)

practices	winter semester	summer semester
1	<p><i>Introduction</i></p> <ul style="list-style-type: none"> • videoclip – dept. of urology (15 min) • history • symptoms (15 min) • general urology (50 min) 	<p><i>Introduction to suturing</i></p> <ul style="list-style-type: none"> • surgical knots • surgical suturing • suturing materials
2	<p><i>Catheterisation</i></p> <ul style="list-style-type: none"> • videoclip – catheterisation procedures (10 min) • types of catheters (15min) • catheterisation simulators (45-55min) 	<p><i>Videoclips of urological procedures</i></p> <ul style="list-style-type: none"> • TRUS • Open surgery • Endoskopical surgery • Laparoscopy • Robot – assisted surgery
3	<p><i>Urological surgery 90 min</i></p> <ul style="list-style-type: none"> • surgical approaches • terminology • types of procedures 	<p><i>Inpatient – 90 min (1. group - 6 students)</i></p> <ul style="list-style-type: none"> • wound bandaging (ward A+B) • medical history (ward A+B) • physical examination • blood taking, i.v. cannula
4	<p><i>Inpatient – 90 min (1. group - 6 students)</i></p> <ul style="list-style-type: none"> • wound bandaging (ward A+B) • medical history (ward A+B) • physical examination • blood taking, i.v. cannula 	<p><i>Operating theatres – 90min (2. group - 6 students)</i></p> <ul style="list-style-type: none"> • catheterisation • assisting at operations
5	<p><i>Operating theatres – 90min (2. group - 6 students)</i></p> <ul style="list-style-type: none"> • catheterisation • assisting at operations 	<p><i>Outpatient – 90 min (3. group - 6 students)</i></p> <ul style="list-style-type: none"> • catheterisation • physical examination • ultrasound basics
6	<p><i>Outpatient – 90 min (3. group - 6 students)</i></p> <ul style="list-style-type: none"> • catheterisation • physical examination • ultrasound basics 	<p><i>Simulators – 90 min (4. group - 6 students)</i></p> <ul style="list-style-type: none"> • laparoscopy • cystoscopy • ureterorenoscopy • digital rectal examination
7	<p><i>Simulators – 90 min (4. group - 6 students)</i></p> <ul style="list-style-type: none"> • laparoscopy • cystoscopy • ureterorenoscopy • digital rectal examination 	<p><i>Questions before exam Mini written test Credit</i></p>

Lectures

2 teaching hours every 14 days, a total of seven:

1. General urology, urological literature, evidence-based medicine (EBM), kidney failure, congenital anomalies, intersexualism, transsexualism
2. Urinary tract infection, urolithiasis
3. Urooncology I- introduction, penile carcinoma, testicular carcinoma , kidney and adrenal glands cysts and tumours, retroperitoneal diseases
4. Urooncology II- bladder and the upper urinary tract tumours, prostate carcinoma
5. Dysfunction of lower urinary tract, incontinence
6. BPH, prostatitis, benign diseases of genitals, male urethritis, urethral strictures.
7. Andrology, trauma, emergency urology

Credit:

Winter semester

- For 100% attendance (absence is not allowed)

Summer semester

- For 100% attendance and meet at least 4 operations – see below (meet all operations during winter and summer semester = meet practical exam):
 - o Wound bandaging
 - o Extraction stitches
 - o Blood taking, i.v. cannula
 - o Catheterisation
 - o Medical history / physical examination
 - o Digital rectal examination
 - o Assisting at operations (agree with the secretary)

Exam procedure:

Prerequisites:

- credit (winter/summer semester)

Practical exam:

- will take place during practices during the summer semester (e.g. catheterisation, imaging procedures description, etc.) or prior to the oral test

Theoretical test:

- a written test at the deanery
- Followed by oral exam
 - o student having more than 80% - 1 question
 - o Test result 60-80% - 2 questions
 - o Test result less than 60%- failed, 1st correction term includes oral exam with 2 questions.

Test questions

1. Definition of Urology, organization of urological care in Czech Republic, postgraduate training in urology
2. Urological symptoms
3. Specialised urological examination methods
4. Specialised urological treatment methods
5. Renal failure
6. Congenital kidney anomalies
7. Congenital ureter and bladder anomalies
8. Congenital male genital anomalies
9. Intersexualism, surgical treatment of transsexualism
10. Urinary tract infection - aetiology, pathogenesis, symptoms
11. Non-specific infection of lower urinary tract
12. Non-specific infection of upper urinary tract
13. Non-specific infection of male genital
14. Urogenital tuberculosis, schistosomias
15. Urolithiasis- etiology, symptomatology, diagnostics
16. Urolithiasis -treatment
17. Penile cancer
18. Cystic kidney diseases
19. Renal tumours - epidemiology, aetiology, diagnostics
20. Renal tumours - histopathology, treatment
21. Prostate cancer- aetiology, pathology,
22. Prostate cancer - diagnostics
23. Treatment of localized prostate cancer
24. Treatment of metastatic prostate cancer
25. Urothelial bladder tumours – aetiology, diagnostics
26. Urothelial bladder tumours – treatment
27. Urothelial upper urinary tract tumours
28. Testicular tumours
29. Adrenal gland diseases
30. Retroperitoneal diseases
31. Urodynamics
32. Neuropathic bladder
33. Treatment of hypoactive detrusor muscle and hyperactive sphincter
34. Hyperactive bladder (overactive bladder - OAB)
35. Urinary incontinence - types
36. Stress incontinence
37. Urge incontinence
38. BPH (benign prostate hyperplasia) - symptomatology, pathology, examination methods
39. BPH (benign prostate hyperplasia) - treatment
40. Benign diseases of the male genitals
41. Urethritis
42. Urethral strictures
43. Andrology-definition and content
44. Male erectile dysfunction
45. Male infertility
46. Priapism, fracture of the penis, induratio penis plastica
47. Hormonal environment of an aging man
48. Kidney trauma
49. Ureteral trauma
50. Trauma of urinary bladder, urethra and male genital
51. Urological emergencies
52. Evidence-based medicine (EBM) in urology, sources of scientific information

Pilsen 12th January 2016