



DISCIPLINE SHEET

1. Facts about the program

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY	
1.2.	FACULTY	GENERAL MEDICINE
	DEPARTMENT:	3 - NEPHROLOGY, UROLOGY, TRANSPLANT IMMUNOLOGY, DERMATOLOGY, ALLERGOLOGY
1.3.	DISCIPLINE:	UROLOGY – CLINICAL HOSPITAL "PROF. DR. TH. BURGHELE"
1.4.	FIELD OF STUDY :	HEALTH - Sectoral regulated within the European Union
1.5.	CYCLE OF STUDIES:	LICENSE
1.6.	STUDY PROGRAMME	MEDICINE

2. Discipline data

2.1.	Name of the discipline: UROLOGY						
2.2.	Location of the discipline: CLINICAL HOSPITAL "PROF. DR. TH. BURGHELE"						
2.3.	Holder of course activities: <i>Name, Surname, Title</i> Senior Lecturer Dr. PERSU CRISTIAN						
2.4.	Holder of the seminar activities: <i>Name, Surname, Title</i> -						
2.5. Year of study	VI	2.6. Semester	I, II	2.7. Type of assessment	Written exam	2.7. Discipline regime	Optional

3. Estimated total time (hours/semester of teaching activity)

No hours per week	2	of which: course	2 hours	Clinical internship	0
Total hours of the education plan	14	of which: course	14 hours	Clinical internship	0
Time fund distribution	7weeks.		2 hours		
Study by textbook, course support, bibliography and notes					
Additional documentation in the library, on specialized electronic platforms and in the class					
Preparation of seminars / laboratories, topics, papers, portfolios and essays					
Tutoring					
Examination					
Other activities					
Total hours of self-study					
Total hours per semester					
Number of credits			2		

4. Preconditions (where applicable)

4.1. curriculum	Fundamental knowledge of the anatomy and physiology of the urinary system
4.2. competency	General clinical examination of the patient

5. Conditions (where applicable)

5.1. course development	<ul style="list-style-type: none"> The course takes place in the Amphitheater of the building or in the classroom of the Department of Urology. The material is exposed interactively in the form of a Power point presentation on the video projector. Students are involved in the process of exposing through questions and presentations.
5.2. conducting the clinical period	<ul style="list-style-type: none"> -

6. Specific skills acquired

Professional skills (expressed through knowledge and skills)	<ul style="list-style-type: none"> Description of concepts, theories, and fundamental notions in the field of functional urology. Description of the mechanisms of action of the usual treatments applied to patients with problems that fall within the competence of functional urology. Identifying the principles of treatment and prevention of the main functional urology diseases. The description of the concepts, theories, and fundamental notions that influence and/or determine the state of health of a defined community and of the measures that influence the state of health of the communities.
Transversal skills (role, professional development, personal)	<ul style="list-style-type: none"> Identification of the objectives to be achieved, of the available resources, of the conditions for their completion, of the stages of work, of the working times, of the related deadlines for achievement and of the related risks in various pathologies in the field of urology and functional. Identifying roles and responsibilities in a multidisciplinary team and applying effective relationship and work techniques within the team and in relation to the patient. Efficient use of information sources and resources for communication and assisted professional training (Internet portals, specialized software applications, databases, on-line courses, etc.) both in the Romanian language and in a language of international circulation.

7. The objectives of the discipline (based on the grid of specific competences accumulated)

7.1. General objective	<ul style="list-style-type: none"> The objectives of the functional urology discipline are to familiarize the medical student with this specific pathology, and with the principles of diagnosis and treatment of these disorders.
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7.2. Specific objectives	<ul style="list-style-type: none"> • Conceiving and applying a therapeutic plan appropriate to the specific urological condition. • Establishment and development of a good and effective communication relationship doctor - patient.
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8. Contents

8.1. Course	Teaching methods	Observations
See also Annex LECTURE	Lecture. The courses are presented in the amphitheater and rooms technically equipped for this purpose. All courses have electronic support and are updated according to the guidelines developed by international companies in the field.	
8.2. Clinical internship	Teaching methods	Observations
See also Annex CLINICAL INTERNSHIP	-	

9. Corroborating the contents of the discipline with the expectations of the representatives of the scientific community, professional associations and representative employers in the field related to the program

<ul style="list-style-type: none"> • It aims to create professional, deductive and ethical decisional discernment. • The objectives of the functional urology discipline are to familiarize the medical student with the urological pathology specific to these patients, with the pathology of other organs with a resonance in the sphere of functional urology and with the principles of diagnosis and treatment of specific diseases. • The student who follows the optional stage of functional urology will learn the basic notions of this subspecialty, the means of diagnosis and evaluation of the patient, the principles of prevention and treatment, the long-term follow-up of the patient, the elements of evaluating the therapeutic success.

10. Assessment

Type of activity	8.1. Assessment criteria	8.2. Valuation methods	8.3. Share of the final grade
8.4. Course	Answer to questions	Synthesis type exam	100%
Minimum performance standard			50%
Practical examination: <ul style="list-style-type: none"> • The pass mark is note 5. 			

Date of completion:

Signature of the course holder

09.09.2024

Date of endorsement in the
Department's Board:

Signature of the department director

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Annex LECTURE

8.1. Lectures	Teaching methods	Observations
1. Introductory course <ul style="list-style-type: none"> a. Definitions of the main notions used b. Principles of fluid dynamics applicable in functional urology c. Epidemiological data d. Physiology of the lower urinary tract e. Functional phases of the bladder: filling, storing, emptying 	Oral presentation and multimedia presentation	1 x 2 h
2. Urological functional explorations <ul style="list-style-type: none"> a. Elementary principles in urological functional explorations b. Uroflowmetry c. Cistomanometry, filling d. Flow pressure study e. Electromyography f. The Whitaker Test g. Physiology of the pyeloureteral junction 	Oral presentation and multimedia presentation	1 x 2 h
3. The main concomitant conditions that can affect the physiology of the lower urinary water <ul style="list-style-type: none"> a. Spinal cord injury b. Multiple sclerosis c. Diabetes mellitus d. Central motor infirmity e. Stroke 	Oral presentation and multimedia presentation	1 x 2 h
4. Reeducation of the pelvic floor <ul style="list-style-type: none"> a. Basics b. Electrostimulation c. Magnetic stimulation d. Bio feedback 	Oral presentation and multimedia presentation	1 x 2 h

<p>5. Urinary incontinence</p> <ul style="list-style-type: none"> a. Definition b. Epidemiology c. Stress urinary incontinence d. Urgency urinary incontinence e. Mixed urinary incontinence 	<p>Oral presentation and multimedia presentation</p>	<p>1 x 2 h</p>
<p>6. Neurological bladder</p> <ul style="list-style-type: none"> a. Definition b. Epidemiology c. Diagnostic protocol d. Principles of treatment e. Follow-up of the patient with neurological bladder 	<p>Oral presentation and multimedia presentation</p>	<p>1 x 2 h</p>
<p>7. Urethral strictures</p> <ul style="list-style-type: none"> a. Definition b. Epidemiology c. Imaging exploration of urethral strictures d. Internal optic urethrotomy e. Urethroplasty f. Long-term evolution 	<p>Oral presentation and multimedia presentation</p>	<p>1 x 2 h</p>
<p>Bibliography</p> <ol style="list-style-type: none"> 1. "UROLOGY – PRACTICAL WORKS FOR STUDENTS" - SINESCU I. "Carol Davila" University Publishing House, Bucharest, 161 pages, 2005. ISBN: 973-708-103-X 2. "UROLOGY – COURSE FOR STUDENTS" "Carol Davila" University Publishing House, Bucharest, 2013. 		