

Name of the course	Urology		Code	MSE504
Type of study program:	Integrated university study program, Medicine		Year of study:	5
Credits (ECTS):	1	Semester:	IX	Number of hours per semester (l+s+e) 30 (10+10+10)
Status of the course:	obligatory	Preconditions:	According to the Rulebook on Studying	Comparative conditions: /
Access to course:	Fifth year students		Hours of instructions:	According to schedule
Course teacher:	Davor Tomić, MD, PHD			
Consultations:	As agreed with students			
E-mail address and phone number:	urologija@skbm.ba; + 387 36 336 246 ; +387 63 297 907			
Associate teachers	Ivan Gilja, MD, PhD Full Professor Boris Ružić MD, PhD Full Professor Borislav Spajić, MD, PhD Associate Professor Mario Kordić, MD, PhD Assistant Professor Safet Omerović, MD, PhD Assistant Professor Katica Pavlović, MD, PhD Julijan Baranik, MD, MSc Dino Zalihić, MD, MSc Manuel Tipurić, MD, MSc Vladimir Bekavac, MD, MSc			
Consultations:	As agreed with students, An hour before and after the lectures			
E-mail address and phone number:				
The aims of the course:	The aims of the course are to make the students familiar with basic clinical skills, diagnostic procedures, urinary disorders, infectious urologic diseases, emergencies in urology, oncological urological diseases, diagnostic algorithms end diagnostic procedures and the different algorithms in the treatment of urological diseases at the field of urology today.			
Learning outcomes (general and specific competences):	<ul style="list-style-type: none"> - To explain and demonstrate the history taking skills and clinical urological examination of the patient, digital rectal examination, bimanual palpation of the urinary bladder, and external genitalia examination; - To describe and explain the basic diagnostic urologic procedures and laboratory analyses, and to describe and demonstrate the catheterization of the urinary bladder for men and women; - To describe and classify urological disorders and to interpret diagnostic and therapeutic options and approaches; - To describe, recognize and differentiate the etiology and classification of urinary tract infections (UTI), to assess the severity of UTI, to plan diagnostic procedures and define treatment options for UTI; - To recognize and analyze the emergencies in urology, to analyze diagnostic procedures in the urologic emergencies, and make plan for the treatment of emergencies; - To describe minimally invasive techniques in urology and modern endourological procedures; - To acquaint knowledge in terms of kidney transplantation; - To describe and explain the etiology, clinical signs and symptoms, diagnostic algorithms and treatment options in patients with urological malignancies. 			
Course content (Syllabus):	The course of the Urology is organized through the lectures, exercises and seminars at the Medical School University of Mostar and at the Clinic of Urology University Hospital Mostar. Expected duration of the course is five days and the one day for the exams (written and oral examination). During the classes, the main topics from the outcomes are described and discussed with students in lectures and seminars. The practical part - exercises are performed at the Urology Clinic with the assistants as teachers and supervisors of the students training regarding clinical skills at the field of urology. At the end of the course of urology, after the lectures, seminars, and clinical practice, and after the successful completion of written and oral exam, students get 1 ECTS point.			

Format of instruction (mark in bold)	Lectures	Exercises	Seminars	Independent assignments
	Consultations	Work with mentor	Field work	Other
Student responsibilities	In accordance to Rules of studying and Deontological code for Mostar University Medical school students.			
Screening student work (mark in bold)	Class attendance	Class participations	Seminar essay	Practical training
	Oral exam	Written exam	Continuous assessment	Essay
Detailed evaluation within a <i>European system of points</i>				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTIONS OF GRADE	
Class attendance and Participations	20	0.6	0%	
Written exam	5	0.2	50%	
Oral exam	5	0.2	50%	
TOTAL:	30	1	100%	
Further clarification: Final score: The final assessment is carried out according to the Regulation of Studies of the University of Mostar and applies to all study groups. According to the Regulations on studying final grade is obtained as follows: A = 91-100% 5 B = 79 to 90% 4 C = 67 to 78% 3 D = 55 to 66% 2 F = 0 to 54% 1				
Required literature:	Urology for Medical students and junior doctors, Ricky Ellis, 2020			
Optional literature:	Selected chapters of Smith's Urology 19th edition, McGraw Hill 2019			
Additional information about the course	Methods of monitoring the quality of teaching: <ul style="list-style-type: none"> - Student questionnaire - Analysis of the quality of teaching by students and teachers - Analysis of exam results - Report of the Quality assurance office - Self-evaluation and external evaluation (visit of the team from Quality assurance office) 			

Annexes: calendar classes

The number of teaching units	TOPICS AND LITERATURE
I.	Title: Urology as a clinical surgical discipline, from the beginning until today. Basic laboratory findings and the diagnostic procedures at the field of urology
	Short description: Some facts from the history of urology from the beginning until today and the introduction of the basic laboratory and diagnostic procedures in urology.
	Literature: Mandatory and optional; Lectures
II.	Title: Neurophysiology of the micturition, and the micturition disorders, OAB, Neurogenic bladder; Urinary incontinence, diagnostic and the treatment, Surgical treatment of the UI
	Short description: Basic principles of the neurophysiology of the micturition and diagnostics, and treatment of the different micturition disorders.
	Literature: Mandatory and optional; Lectures
III.	Title: Urinary obstruction and stasis, Diagnosis and the treatment
	Short description: Presenting the disturbances of the urine discharge at the different levels, clinical presentation and diagnostic, as well as treatment algorithm procedures.
	Literature: Mandatory and optional; Lectures

IV.	Title: Urinary stone diseases, Diagnosis and the treatment algorithm
	Short description: Presentation of the urinary stone symptomatology, diagnostic procedures and the different ways of the treatment of the stones in urinary tract.
	Literature: Mandatory and optional; Lectures
V.	Title: Urinary tract infections, diagnosis and the treatment
	Short description: Classification of the urinary infections, diagnostic procedures and the treatment options.
	Literature: Mandatory and optional; Lectures
VI.	Title: Emergencies in Urology; Urogenital trauma
	Short description: Describe emergencies in Urology, classification, diagnosis and the management of the urological trauma as a part of the urologic emergencies.
	Literature: Mandatory and optional; Lectures
VII.	Title: Benign Prostatic Enlargement
	Short description: Diagnostic and treatment of the Benign prostatic enlargement.
	Literature: Mandatory and optional; Lectures
VIII.	Title: Renal Transplant basics.
	Short description: Selection of the donor, Ethical principles of renal transplantation, surgery technique for the renal transplantation
	Literature: Mandatory and optional; Lectures
IX.	Title: Basics in Endourology. New technologies at the treatment of urological diseases through the minimally invasive procedures
	Short description: Basic information from the field of endourology, new technologies in the treatment of urological diseases, such as different laser procedures, robotic surgery in the fields of urology etc.
	Literature: Mandatory and optional; Lectures
X.	Title: Renal and adrenal tumors (oncology part)
	Short description: Etiology, diagnostic and the treatment options for the renal and adrenal tumors.
	Literature: Mandatory and optional; Lectures
XI.	Title: Urinary bladder tumors, Upper tract tumors and ureteral tumors, Urethral tumors, Carcinoma of the prostate, penis and the testis Diagnostic and the treatment options
	Short description: Basic facts in the diagnosis and the treatment options in urologic oncology diseases, surgical treatment of the prostate cancer and invasive carcinoma of the urinary bladder.
	Literature: Mandatory and optional; Lectures