Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C-Ur
Course title in Polish: Urologia
Course title in English: Urology

1. Placement of the course within the study programme

1.1. Field of study	Medical
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's studies
1.4. Profile of study	General academic
1.5. Course specification author	Dr Marcin Kosowski
1.6. Contact	marcin.kosowski@ujk.edu.pl

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	Anatomy, Physiology, Urology

3. Detailed characteristics of the course

3.1. Type of classes	LECTURE: 15 (3h of e-learning) CLASSES: 15, PRACTICAL CLASSES: 15
3.2. Place of course delivery	Lectures –Collegium Medicum UJK or online Clinical classes – Holy Cross Cancer Center in Kielce
3.3. Form of assessment	LECTURE – E, CLASSES and PRACTICAL CLASSES – Zo Lectures are mandatory in accordance with Chapter III, §7, subsection 3, point 2.
3.4. **Teaching methods**	lectures, discussion, case study
3.5.a. Basic reading list	1. UROLOGY FOR MEDICAL STUDENTS AND JUNIOR DOCTORS, RICKY ELLIS 2020 https://www.baus.org.uk/_userfiles/pages/files/professionals/education/medical%20students/PDF%20Urology_interior_8thfinal%20(1).pdf
3.5.b. Supplementary reading list	1. Oxford Handbook of Urology (4 edn) 2. John Reynard, Simon F. Brewster, Suzanne Biers, and Naomi Laura Neal 3. Campbell-Walsh Urology 12th Edition Review

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)

Lectures

C1 Knows the details of urological disorders in adults
C2 Propose differential diagnosis, plan diagnostic workup and interpret results evaluating a patient with urological disorders
C3 Establishes and maintains a deep and respectful contact with the patient

4.2. Detailed syllabus

Lectures:

KEY PRESENTATIONS OF UROLOGICAL DISEASE

These can be broadly categorised as follows:
•Visible or invisible haematuria
•Lump in the scrotum

•Pain in the scrotum
•Tight foreskin
•Man with sexual problemserectile dysfunctionpremature ejaculationpenile deformity
•Urinary infectioncystitispyelonephritisepididymo--orchitisbalanitisprostatitis
•Urosepsis
•Pain in the loin
•Mass in the loin
•Lower urinary tract symptomsdifficulty storing urinedifficulty voiding urine
•Couple having difficulty conceiving
•Urinary incontinenceurge incontinencestress incontinence
•Urological traumafractured penisfractured pelvis
•Raised PSA
They are managed by sub--specialist groups of urologists, including:
•Paediatric urology
•Female urology
•Andrology & reconstructive urology
•Endourology (including stones)
•Uro--Oncology

REQUIREMENTS OF UNDERGRADUATE TRAINING IN UROLOGY

At the end of medical training, all medical students should be familiar with the presentation and safe, initial management of the following:

Acute renal tract stone disease
•Recognise the patient presenting with acute ureteric colic, ureteric obstruction & sepsis•Manage the initial assessment appropriately
•Understand the appropriate investigations (CT, IVU or ultrasound)Acute (or chronic) abdominal pain referable to the urinary tract
•Have awareness of the urological causes of abdominal pain
•Be familiar with appropriate investigations in both the emergency & outpatient setting
•Understand (and be competent) in the insertion of a urethral catheter in both sexes

Lower urinary tract symptoms (LUTS) in male & female patients
•Understand the causes of LUTS in male & female patients
•Be familiar with first-¬-line investigations
•Be familiar with basic outpatient treatment for bladder outflow obstruction & detrusor over-¬-activity

Haematuria
•Understand the common causes of haematuria
•Be able to assess the patient with haematuria
•Be able to initiate the management of haematuria

Urinary tract infection (UTI)
•Understand the causes of UTI
•Understand the basic investigations for UTI
•Be able to initiate first-¬-line treatment for UTI

Scrotal swelling & pain
•Understand the causes and initial management of scrotal swelling & scrotal pain

Urinary incontinence in male & female patients
•Understand the causes of urinary incontinence in male & female patients
•Be able to differentiate between stress & urge incontinence

Urological cancers (including kidney, bladder, prostate, penis & testis)
•Understand how urological malignancies present

•Be able to recognise tumours of the kidney, bladder, prostate, penis & testis
•Understand the appropriate investigations for the above cancers
•Understand the role of PSA testing and testicular tumour markers

Male infertility
•Understand the causes of male fertility

Erectile dysfunction (ED)
•Understand the physical & psychological causes of erectile dysfunction
•Understand the implication of ED as a marker for systemic vascular disease

Acute kidney injury
•Understand the diagnosis, assessment & initial management of patients presenting with acute renal failure/anuria

4.3 Course learning outcomes

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
in the area of **KNOWLEDGE**, the graduate:		
W01	the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common diseases requiring surgical intervention, taking into account the individuality of childhood urinary system	F.W1.
W02	eligibility rules for basic surgeries, invasive diagnostic and treatment procedures, principles concerning conducting these procedures and most common complications;	F.W3.
W03	postoperative treatment and analgesic therapy as well as post-operative monitoring	F.W5.
W04	the issues concerning modern imaging tests, in particular: 1)radiological symptomatology of basic diseases, 2) instrumental methods and imaging techniques used to perform medical procedures, 3) the indications, contraindications and preparation of patients to particular types of imaging tests and contraindications the use of contrast agents;	F.W10.
in the area of **ABILITIES**, the graduate:		
U01	assess patient's general condition, consciousness and awareness;	E.U7.
U02.	perform differential diagnosis of the most common diseases in adults and children;	E.U12.
U03	assess and describes the somatic and mental state of patients;	
	E.U13.	
U04.	recognize states of a direct threat to life;	E.U14.
U05.	plan diagnostic, therapeutic and preventive procedures;	E.U16.
U06.	conduct analysis of the potential side effects of each drug and the interaction between them;	E.U17.
U07.	recognize states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with specific guidelines for the disease;	E.U21.
U08.	interpret laboratory test results and identify the reasons for deviations;	E.U24.
U09.	plan specialist consultations;	E.U32.
U10.	evaluate decubitus and apply appropriate dressings;	E.U35.

U11.	assist during a typical surgery, prepare the surgical site and locally anesthetize operated area;	F.U1.
U12	comply with the aseptic and antiseptic rules;	F.U3.
U13.	manage simple wounds and change sterile surgical dressing	F.U4.
U14	assess indications for suprapubic puncture and participate in its execution;	F.U23.
U15.	assist during the common urological procedures (diagnostic and therapeutic endoscopy of the urinary system, lithotripsy, puncture of the prostate);	F.U24.

in the area of social competences:

K01	establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences;	H.S1.
K02	do what is right for the patient;	H.S2.
K03	respect medical confidentiality and patient's rights;	H.S3.
K04	take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness;	H.S4.
K05	recognize his/her own limitations and self-evaluate educational deficiencies and needs;	H.S5.
K06	promote healthy lifestyle;	H.S6.
K07	use reliable information sources;	H.S7.
K08	conclude on the basis of own surveys and observations;	H.S8.
K09	introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment;	H.S9.
K10	give opinions concerning various aspects of professional activity;	H.S10.
K11	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11.

4.4 Assessment methods for learning outcomes

Assessment method (+/-)

Course learning outcomes (code)	Oral/written/ practical examinaion /other (specify)*	Test*	Project*	In-class activity*	Independent study*	Group work*	Other (specify)*

Type of classes

1: / 2:	L	S	CP	L	S	PC	L	S	PC	L	S	PC	L	S	PC	L	S	PC	L	S	PC
W01	X																				
W02	X																				
W03	X																				
W04	X																				
W05																					
U01				X						X											
U02				X						X											
U03				X						X											
U04				X						X											
U05				X						X											
U06				X						X											
U07				X						X											

U08				*X*						*X*											
U09				*X*						*X*											
U10				*X*						*X*											
U11				*X*						*X*											
U12				*X*						*X*											
U13				*X*						*X*											
U14				*X*						*X*											
U15				*X*						*X*											
K01-K11				*X*						*X*											

Annotation. 1: form of classes; 2: learning outcomes

4.5 Assessment criteria for learning outcomes

Type of classes:

Lectures (L) (including classes conducted with the use of distance learning methods and techniques)

Form of classes	grade	Assessment criteria
lecture (L)	3	Test results 61-68%
	3,5	Test results 69-76%
	4	Test results 77-84%
	4,5	Test results 85-92%
	5	Test results 93-100%
classes (C)*	3	61-68% Mastering the content of the curriculum at the basic level, chaotic answers, necessary leading questions. Data collection and solving clinical problems in typical situations with the help of guiding questions / supplementing the content by the teacher.
	3,5	69-76% Mastering the content of the curriculum at the basic level, systematized answers, requires the help of a teacher. Collecting data and solving clinical problems in typical situations with the help of the teacher.
	4	77-84% Mastering the content of the curriculum at the basic level, systematic and independent answers. Collecting data and solving clinical problems in typical situations independently
	4,5	85-92% The scope of the presented knowledge goes beyond the basic level based on the supplementary literature provided. Collecting data and solving clinical problems independently. Problem solving in new and complex situations.
	5	93-100% The scope of the presented knowledge and skills goes beyond the basic level based on self-acquired scientific sources of information. Collecting data and solving clinical problems independently in new and complex situations with the use of EBM.
Practical classes (C)*	3	61-68% Mastering the content of the curriculum at the basic level, chaotic answers, necessary leading questions. Data collection and solving clinical problems in typical situations with the help of guiding questions / supplementing the content by the teacher.
	3,5	69-76% Mastering the content of the curriculum at the basic level, systematized answers, requires the help of a teacher. Collecting data and solving clinical problems in typical situations with the help of the teacher.
	4	77-84% Mastering the content of the curriculum at the basic level, systematic and independent answers. Collecting data and solving clinical problems in typical situations independently

	4,5	85-92% The scope of the presented knowledge goes beyond the basic level based on the supplementary literature provided. Collecting data and solving clinical problems independently. Problem solving in new and complex situations.
	5	93-100% The scope of the presented knowledge and skills goes beyond the basic level based on self-acquired scientific sources of information. Collecting data and solving clinical problems independently in new and complex situations with the use of EBM.

5 ECTS credit allocation – student workload

Category	Student workload (full-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	**45**
Participation in lectures*	**12**
Participation in seminars/laboratories*	**27**
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	6
INDEPENDENT STUDY (NON-CONTACT HOURS)	**30**
Preparation for lectures*	**15**
Preparation for seminars/laboratories*	**15**
Preparation for examination/test*	
Gathering materials for project, online research*	
Preparation of a multimedia presentation*	
Other (specify)*	
TOTAL HOURS	**75**
ECTS CREDITS for the course	**3**

***** e-learning (without participation of the lecturer)

Approved for implementation (date and legible signatures of course instructors in the given academic year):

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