

SUBJECT CARD

Faculty of Medicine and Health Sciences

Field of studies: Medicine

Form of studies: Full-time

Degree: long-cycle Master's program

Specializations: No specialization

Academic year: 2022/2023

GYNAECOLOGY	
SUBJECT	Gynaecology
NUMBER OF ECTS POINTS	4
LANGUAGE OF INSTRUCTION	English
TEACHER(S)	Assoc. Professor Paweł Szymanowski, MD, PhD Maciej Bodzek, MD, PhD Paulina Banach, MD, PhD Maciej Mączka, MD, PhD Dorota Maria Drózdź, MD Anna Golka-Leszczynska, MD Marta Szaganiec, MD Katarzyna Szepieniec, MD Hanna Szweda, MD
PERSON RESPONSIBLE	Assoc. Professor Paweł Szymanowski, MD, PhD
NUMBER OF HOURS	
LECTURES	30 h
CLASSES	45 h
GENERAL OBJECTIVES	
OBJECTIVE 1	Providing students with a basic resource of information in the field of female genital tract diseases, basic diagnostic skills enabling independent examination and making simple diagnostic and therapeutic decisions.
OBJECTIVE 2	Focusing on early diagnosis of gynaecological pathology, and the ability to early detect the threat of reproductive cancer. Principles of prophylaxis and treatment of female genital tract cancer.

GYNAECOLOGY	
LEARNING OUTCOMES	
MK1	<p>Knowledge: Student describes woman's reproductive system physiology, and pathology, as well as diagnostic and therapeutic procedures concerning in particular:</p> <p>a) the menstrual cycle and its disorders, b) genital system inflammation and cancer, c) birth regulation, d) menopause, e) basic methods diagnostics and gynaecological procedures.</p>
MK2	<p>Knowledge: Student critically assesses research on cancer markers and proposes an optimal procedure.</p>
MK3	<p>Knowledge: Student can cooperate with multidisciplinary team, and uses specialized consultation when needed.</p>
MK4	<p>Knowledge: Student explains the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases requiring gynaecological intervention.</p>
MS1	<p>Skills: Student recognizes the signs and symptoms of gynaecological pathology. Diagnoses by ultrasonography basic pathological images (e.g. ovarian cyst vs solid tumour).</p>
MS2	<p>Skills: Student interprets the results of the physical examination and the results of additional tests indicating gynaecological pathology (cytology, colposcopy, ultrasonography, HSG, CT).</p>
MS3	<p>Skills: Student has an ability to obtain an informed consent for treatment (including surgery).</p>
MC1	<p>Social competency: Student shows respect for the patient and cares for his well-being.</p>
MC2	<p>Social competency: Student adheres to ethical principles in his professional activity.</p>
MC3	<p>Social competency: Student respects the patient's rights, including protection of personal data and intimacy.</p>
MC4	<p>Social competency: Student is able to work in a team and effectively cooperates with representatives of other medical professions.</p>
INTRODUCTORY REQUIREMENTS	
<p>[1] Knowledge of the anatomy, physiology and pathophysiology of the female reproductive system; [2] Ability to collect general medical history; [3] Knowledge of the principles of aseptics.</p>	
COURSE PROGRAM	DETAILED DESCRIPTION OF THE TOPIC BLOCKS
LECTURE 1	<p>Endocrinology in different stages of women's life. Puberty. Menstrual cycle. Menopause. Hormonal replacement therapy of menopause. 2h</p>

GYNAECOLOGY	
LECTURE 2	Endocrine hormonal diagnostics in gynaecology. Hyperprolactinemia, pituitary tumours, hyperandrogenic syndromes. Polycystic ovary syndrome (PCOS). 2h
LECTURE 3	Basics of gynaecological examination. Ultrasound in gynaecology. Other tests in the assessment of gynaecological diseases. 2h
LECTURE 4	Endometriosis. 1h
LECTURE 5	Pelvic inflammation. 1h
LECTURE 6	Emergencies requiring urgent surgical intervention in gynaecology. 1h
LECTURE 7	Prevention of malignant neoplasms of the female genital tract. Early diagnosis of reproductive system cancers. Cervical smear. Colposcopy. 1h
LECTURE 8	Tumours of the ovary, fallopian tube and peritoneum. 1h
LECTURE 9	Cervical cancer. 1h
LECTURE 10	Malignant and benign tumours of the uterus, vagina and vulva. 2h
LECTURE 11	Malignant and benign breast tumours. Breast diseases. 2h
LECTURE 12	A modern view on gynaecological surgery. Diagnostic and operational laparoscopy in gynaecology. Diagnostic and operational hysteroscopy in gynaecology. Robotics in gynaecology. 2h
LECTURE 13	Chemotherapy and radiotherapy in gynaecology and senology. 2h
LECTURE 14	Palliative treatment in gynaecological diseases. 1h
LECTURE 15	Pelvic organ prolapse in the era of an aging population. 2h
LECTURE 16	Urinary incontinence - assessment and treatment. 2h
LECTURE 17	Sexual preferences and inherited phenotypic sex disapproval syndrome. 1h
LECTURE 18	Inflammation of the vagina. Sexually transmitted diseases. 2h
LECTURE 19	Sex cycle disorders. Differential diagnosis of genital bleeding. Gynaecological hemorrhages - diagnosis and management. 2h
CLASS 1	Gynaecological examination - phantom exercises. Preparation for gynaecological surgery. MSC 5 h
CLASS 2	Gynaecological outpatient clinic - a review of the most common cases. Interpretation of additional tests (USG, CT).
CLASS 3	Exercises in the patients room. Collecting medical history, observing patients before and after surgery. Patients assessment, gynaecological examination, recognition of signs and symptoms of gynaecological pathology.

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CLASS 4	Observation of gynaecological procedures in the operating room, including possible assist in laparotomy, laparoscopy and hysteroscopy. Practical exercises in the operating room with the use of trainers (surgical, laparoscopic, robotic trainers) - Training room in the operating theatre. MCS 5 h
CLASS 5	Principles of prophylaxis in gynaecology. Assisting in collecting biological samples - cytology. Curettage of the uterine cavity, taking samples from the the vaginal part of cervix and cervical canal.
DIDACTIC METHODS (APPLIED)	
	Lectures; Practice with patients; Discussion; Multimedia presentations; Gynaecological examination – every time with patient consent; Gynaecological examination-phantom exercises; Case study; Simulation center.
STUDENTS WORKLOAD	
NUMBER OF HOURS UNDER SUPERVISION	75 hours
NUMBER OF PREPARATION HOURS	Preparation for classes: 30 hours Preparation for the exam: 30 hours
TOTAL NUMBER OF HOURS FOR THE COURSE	135 hours
CONDITIONS FOR COURSE COMPLETION	
Attendance at all lectures and classes is obligatory. The condition for admission to the exam is passing the classes; Class activity; Single choice test; Observation; Oral exam.	
METHODS OF ASSESMENT	
IN TERMS OF KNOWLEDGE	1. Attendance at all classes (all absences from classes require an oral credit with the responsible teacher); 2. Passing the classes (no note) on the last class closing the subject block (answer to at least 2 of the three questions asked by the tutor); 3. Minimum 55 % of correct answers on the test exam; 4. Practical skills and Social competences are assessed by the tutor during the classes.
IN TERMS OF SKILLS	Active participation in practical classes and oral test during the classes.

GYNAECOLOGY	
IN TERMS OF SOCIAL COMPETENCY	Interviewing the patient, reporting the history of the disease and the information obtained in the team.
FORMATIVE	Discussion of the case study and planning of diagnostics and further treatment in cooperation with the lecturer.
SUMMATIVE (I & II TERMS)	I term (EXAM): Single choice test (P13.) II term (RETAKE EXAM): Oral Exam (P3.)
GRADING SCALE	
3,0 (SATISFACTORY)	Test exam: 55%-60% Oral exam: Correct answer for minimum 2 questions required
3,5 (SATISFACTORY PLUS)	Test exam: 61%-68% Oral exam: Correct answer for minimum 2 questions required
4,0 (GOOD)	Test exam: 69%-75% Oral exam: Correct answer for minimum 2 questions required
4,5 (GOOD PLUS)	Test exam: 76%-80% Oral exam: Correct answer for minimum 2 questions required
5,0 (VERY GOOD)	Test exam: 81%-100% Oral exam: Correct answer for minimum 2 questions required
BASIC LITERATURE	
<p>[1] Hacker & Moore's Essentials of Obstetrics and Gynecology;</p> <p>[2] 6th Edition. The Polish Society of Gynecologists and Obstetricians guidelines.</p>	