

Course description

General information about the course	
1. Major of study: medicine	2. Study level: unified MSc 3. Form of study: intramural
4. Year: V	5. Semester: IX
6. Course name: Obstetrics and Gynecology (OB/GYN) – Core	
7. Course status: required	
8. Course contents and assigned learning outcomes	
Goals	
C1	- providing students with a basic resource of information in gynecology and obstetrics
C2	Introduction to basic techniques of obstetrical and gynecological
C3	- to familiarize with the course of physiological childbirth, drawing attention to the assessment of the maternity
C4	- the ability to early diagnosis of cancer and the risk of cancer of the reproductive organ diseases and their prevention rules
C5	- provide students with basic information resource in obstetrics and gynecology, basic diagnostic skills enabling examination and making simple decisions diagnostic and therapeutic special attention to the assessment of obstetric pathology and diagnosis of pregnancy
C6	- rules for completing referrals for histopathological examination, rules for developing surgical material for histopathological examination, correct interpretation of the histopathological examination result
C7	- development of students' ethical, social and legal conditions for the practice of medicine and health promotion policies based on scientific evidence and accepted standards of conduct.
C8	- development of students' ability to talk with the patient and her family regarding the presence or suspected pathology and to lay further down the road diagnostic and therapeutic
C9	making students aware of the need to systematically supplement and update knowledge in the field discussed during the module

Subject's learning outcomes

Code	Outcomes in terms of	Effects
Knowledge – Student knows and understands:		
W1	development, structure and functions of the human body in normal and pathological conditions	O.W1
W2	symptoms and course of diseases	O.W2
W3	methods of diagnostic and therapeutic procedures appropriate for specific disease states	O.W3
W4	ethical, social and legal conditions for practicing the medical profession and the principles of health promotion, based on scientific evidence and accepted standards	O.W4
W5	female reproductive functions, related disorders and diagnostic and therapeutic procedures concerning in particular: 1) the menstrual cycle and its disturbances, 2) pregnancy, 3) physiological and pathological childbirth and postpartum period, 4) genital cancers and inflammations, 5) birth control, 6) menopause, 7) basic diagnostic methods and gynecological procedures	F.W9
W6	rules of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, rules of their performance and the most frequent complications	F.W3
W7	principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation	F.W4
W8	postoperative treatment with analgesic therapy and postoperative monitoring	F.W5
W9	the course and regulation of reproductive functions in women and men	B.W22
W10	aberrations of autosomes and heterosomes that cause disease, including oncogenesis and cancer	C.W7
W11	basics of diagnostics of gene and chromosomal mutations responsible for hereditary and acquired diseases, including neoplastic diseases	C.W9
W12	normal human karyotype and different types of sex determination	C.W3
W13	genetic determinants of human blood groups and serological conflict in the Rh system	C.W6

Skills – Student can:		
U1	identify life-threatening conditions that require immediate medical intervention	O.U2
U2	identify medical problems and prioritize medical management	O.U1
U3	plan the diagnostic procedure and interpret its results	O.U3
U4	implement appropriate and safe therapeutic treatment and predict its effects	O.U4
U5	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient	O.U7
U6	adhere to the principles of asepsis and antisepsis	F.U3
U7	recognize subjective and physical symptoms indicating the abnormal course of pregnancy (abnormal bleeding, contractions of the uterus)	F.U13
U8	interpret the results of physical examination of a pregnant woman (arterial pressure, functioning of the mother's and fetus' heart) and the results of laboratory tests proving the pathologies of pregnancy	F.U14
U9	interpret the cardiotocography (CTG)	F.U15
U10	recognize the beginning of labor and its incorrect duration	F.U16
U11	interpret subjective signs and symptoms during the time of confinement	F.U17
U12	establish recommendations, indications and contraindications concerning the use of contraceptive methods	F.U18
U13	identify indications for prenatal testing	C.U2
U14	make decisions about the need for cytogenetic and molecular tests	C.U3
Social competences – Student is ready to:		
K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	O.K1
K2	to be guided by the well-being of a patient	O.K2
K3	respect medical confidentiality and patients' rights	O.K3

K4	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease	O.K4
K5	perceive and recognize own limitations and self-assessing educational deficits and needs	O.K5
K6	promote health-promoting behaviors	O.K6
K7	use objective sources of information	O.K7
K8	formulate conclusions from own measurements or observations	O.K8
K9	implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	O.K9
K10	assume responsibility for decisions taken in the course of their professional activities, including in terms of the safety of oneself and others	O.K11
K11	formulate opinions on the various aspects of the professional activity	O.K10

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Genital anatomy	W1	lecture/classes
2.	Physiological changes in pregnancy. Standards of physiological pregnancy.	W1, W10, W2, W5, U11, U13, U14, U6, K1, K2, K6, K7	lecture/classes
3.	Prenatal tests.	W1, W2, W3, W5, W6, W7, W8, U10, U13, U2, U3, U5, U9, K1, K3, K8	lecture/classes
4.	Diagnostic tools for assessing fetal well-being.	W11, W12, W13, W2, W5, W6, W7, W8, U1, U12, U13, U2, U3, U4, U5, U9, K11, K3, K4, K5, K6, K7	lecture/classes
5.	Normal delivery mechanism.	W10, W11, W2, W3, W4, W5, W6, W7, U14, U5, K5	lecture/classes
6.	Normal puerperium.	W1, W13, W3, W4, U1, U10, U11, U12, U6, U7, U9, K10, K3, K7, K8	lecture/classes

7.	Introduction to gynecological oncology.	W2, W3, W4, W5, W6, W7, U2, U5, K10, K2, K3, K4, K5, K7, K8, K9	lecture/classes
8.	Oncological prevention in gynecology.	W2, W3, W4, W9, U10, U11, U3, U4, U5, U6, U7, U8, U9, K11, K9	lecture/classes
9.	Hypertension complicating pregnancy. Intrauterine fetal growth disorders. Heart disease in pregnancy. Rhesus isoimmunisation. Diabetes in pregnancy. Multiple pregnancy. Procreation issues. Contraception. Disorders of female pelvic organ prolapse. Endometriosis. Epidemiology and prevention of cancers of the female genital tract. Vacuum extractor and forceps delivery in modern obstetrics. Shoulder dystocia. Perinatal hysterectomy Endometrial neoplasms. Obstetric anatomy. Structure and physiology of the female genital organ. Developmental defects. Ultrasound in gynecology and oncological gynecology. Prenatal diagnosis. The most common haematological, neurological and gastrointestinal disorders in pregnant women. Ovarian tumors Cancer during pregnancy. The most common gynecological diseases requiring sudden surgical intervention. Acute surgical conditions in pregnancy		lecture/classes
9. Number of hours for the course			240
10. Number of ECTS points for the course			10
11. Methods of verification and evaluation of learning outcomes			
Learning outcomes	Methods of verification	Methods of evaluation*	
Knowledge	Written evaluation – open questions Grade credit – MCQ	• Test	
Skills	Report Observation Practical exam	• Observation	
Competencies	Observation	• Observation	

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved