



UNIwersytet
Andrzeja Frycza Modrzewskiego
w Krakowie

Collegium Medicum Faculty of Medicine

SUBJECT CARD

Field of studies: Medicine

Form of studies: Full-time course

Degree: long-cycle Master's program

Specializations: No specialization

Academic year: 2024/2025

OBSTETRICS	
SUBJECT NAME	Obstetrics
NUMBER OF ECTS POINTS:	5
LANGUAGE OF INSTRUCTION	English
TEACHER(S)	Marcin Oplawski MD, PhD Łukasz Dancewicz MD, PhD Agata Średnicka MD. Karolina Pniewska MD. Katarzyna Olszewska MD. Agnieszka Czekajska MD. Karolina Poznańska-Kwater MD. Katarzyna Moskała MD.
PERSON RESPONSIBLE	Marcin Oplawski MD, PhD (specialist GYN/OB and GYN/ONCOLOGY)
NUMBER OF HOURS:	
LECTURES:	30
CLASSES:	45
GENERAL OBJECTIVES	
OBJECTIVE 1:	Transfer of basics on obstetrics, basic diagnostic skills enabling independent examination and making simple diagnostic and therapeutic decisions.
OBJECTIVE 2:	Presenting the principles of obstetric assessment, antenatal care in physiological pregnancy standards and diagnosis of pregnancy pathology.

OBSTETRICS

LEARNING OUTCOMES

MK1	Knowledge: The student describes a woman's reproductive functions, disorders related to them as well as diagnostic and therapeutic procedures regarding in particular: - physiological and pathological pregnancy, - physiological and pathological labor and puerperium, - basic obstetric assessment methods - basic obstetric procedures.
MK2	Knowledge: The student characterizes the issues of contemporary imaging tests, in particular the basic principles of ultrasound examination during pregnancy, depending on the trimester.
MK3	Knowledge: The student defines the qualification rules for prenatal invasive and non-invasive tests.
MK4	Knowledge: The student presents techniques for performing prenatal non-invasive and invasive tests
MS1:	Skills: The student recognizes signs and symptoms of abnormal pregnancy (abnormal vaginal bleeding, uterine contraction).
MS2:	Skills: The student interprets the results of a physical examination of a pregnant woman (arterial blood pressure, heart function in a pregnant woman) and the results of laboratory tests showing pathology in pregnancy.
MS3:	Skills: The student plans non-invasive and invasive pre-natal tests. Explains in detail the benefits and risks of pre-natal tests.
MS4:	Skills: The student determines with use of ultrasonography the correct and incorrect positioning of the fetus.
MS5:	Skills: The student interprets signs and symptoms during the puerperium, recognizes pathology and proposes management.
MS6:	Skills: The student defines the plan of management after the diagnosis of pathology, as well as provides possible unfavorable diagnosis, gains conscious consent for treatment (including surgery).
MC1:	Social competency: The student shows respect for the patient and care for his well-being, observes ethical principles in his behavior
MC2:	Social competency: The student abides by the patient's rights, including protection of personal data and intimacy
MC3:	Social competency: The student solves problems in doctor-patient family relations.
MC4:	Social competency: The student systematically supplements and updates knowledge and critically analyzes data from literature.

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MC5:	Social competency: The student works in a group and accepts the necessity of teamwork, effectively cooperates with representatives of other medical professions.
MC6:	Social competency: The student can self-assess and recognize the limits of their own competences.

INTRODUCTORY REQUIREMENTS

[1] Knowledge in the field of anatomy, physiology and pathophysiology of the female reproductive organ; [2] Basic knowledge of genetics; [3] Knowledge of the principles of asepsis, general principles of preparation for short and long surgery, depending on the type of anesthesia, the general principles of conduct after surgery.

COURSE PROGRAM	DESCRIPTION
LECTURE 1:	Cycle and periods of a woman's life. Diagnosis of pregnancy.
LECTURE 2:	Early pregnancy changes. Physiological pregnancy.
LECTURE 3:	Changes in physiological pregnancy. Basic principles of nutrition during pregnancy.
LECTURE 4:	Pelvis anatomy.
LECTURE 5:	Standards of maternal and perinatal care
LECTURE 6:	Monitoring of pregnancy and delivery.
LECTURE 7:	Cardiotocography.
LECTURE 8:	Ultrasound in pregnancy.
LECTURE 9:	Three-level obstetric care model.
LECTURE 10:	Physiological delivery.
LECTURE 11:	Abnormal fetus presentation. Prolonged labour. Maternal-fetal disproportion. Instrumental delivery, cesarean section.
LECTURE 12:	Diseases complicating pregnancy (e.g. heart, liver). Neurological diseases in pregnancy.
LECTURE 13:	Diabetes in pregnancy.
LECTURE 14:	Serological conflict, serological incompatibility, platelet conflict.
LECTURE 15:	Hypertension during pregnancy, preeclampsia, eclampsia.
LECTURE 16:	Differential diagnosis of thrombocytopenia

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LECTURE 17:	Intrauterine Fetal Growth Restriction.
LECTURE 18:	Premature delivery.
LECTURE 19:	Renal diseases in pregnancy, urinary tract infections in pregnancy
LECTURE 20:	Abnormal bleeding during pregnancy. Ectopic pregnancy. Miscarriage. Principles of diagnosis and management.
LECTURE 21:	Abnormal bleeding during pregnancy and labour. Bleeding in the second and third trimester. Perinatal and postpartum bleeding. Rules of management Vol. 1.
LECTURE 22:	Bleeding during pregnancy and delivery. Bleeding in the second and third trimester. Perinatal and postpartum bleeding. Rules of management. Shock in obstetrics. Vol. II
LECTURE 23:	Preterm, premature rupture of membranes: diagnosis, evaluation and management. Oligohydramnios
LECTURE 24:	Multiple pregnancy-causes, course of pregnancy and delivery
LECTURE 25:	Physiological and pathological puerperium
LECTURE 26:	Infections during pregnancy and during labor.
LECTURE 27:	Neoplasms during pregnancy, recognition and management.
LECTURE 28:	Gestational trophoblastic disease
LECTURE 29:	Acute surgical conditions in pregnancy.
CLASS 1	Phantom exercises – examination of pregnant woman, examination during labor, cardiotocography performance.
CLASS 2	Phantom exercises - physiological delivery.
CLASS 3	Phantom exercises - pathological delivery
CLASS 4	Ultrasound unit - diagnostic rules and standards of ultrasonographic assessment in Ist trimester of pregnancy.
CLASS 5	Ultrasound unit - diagnostic rules and standards of ultrasonographic assessment in II and III trimester of pregnancy.
CLASS 6	Classes in perinatal care department – pregnancy induced hypertension, preeclampsia.

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CLASS 7	Classes in perinatal care department – premature labor, preterm premature rupture of membranes.
CLASS 8	Classes in perinatal care department – examination of pregnant patients, collecting biological samples, cardiotocography – performing.
CLASS 9	Classes in Perinatal care clinic – assessment, qualification and admission to the hospital to the department of pregnancy pathology or to the delivery room.
CLASS 10	Classes in the delivery room - preparation for delivery, intra-labor care, midwife’s tasks, doctor’s tasks. Intrauterine fetal hazard diagnosis and treatment, delivery assistance.
CLASS 11	Classes in obstetric department, postnatal care, maternal assessment, lactation. Contraindications for mother and child discharge from the obstetrics department.
DIDACTIC METHODS (APPLIED)	DESCRIPTION
	Practice with patients, Lectures, Multimedia presentations, Case study, Discussion, Work in groups
CONTACT HOURS WITH THE ACADEMIC TEACHER	75 hours
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	Preparation for classes: 10 hours Preparation for the exam: 20 hours
TOTAL NUMBER OF HOURS FOR THE COURSE	105 hours
CONDITIONS FOR COURSE COMPLETION	
<ol style="list-style-type: none"> 1. Attendance at all lectures and classes is obligatory; 2. The condition of admission to the exam is passing all the classes (absences should be “made up” individually after setting the date with the assistant conducting the classes); 3. A minimum of 60% correct answers in the test exam are required; 4. Practical skills and Social competences are assessed by the tutor during the classes. 	
METHODS OF ASSESMENT:	

OBSTETRICS

IN TERMS OF KNOWLEDGE:	1. Colloquium with the assistant conducting the exercises as a condition of admission to the test exam 2. Oral exam consisting of 4 randomly selected questions. Each question is evaluated by the examiner in a point system from 0 to 10. Passing requirements: a. Minimum 60% correct answers in the test exam b. Minimum 2 from 3 correct answers in oral exam c. Practical skills and Social competences are assessed by the tutor during the classes
IN TERMS OF SKILLS:	NA.
IN TERMS OF SOCIAL COMPETENCE:	NA.
FORMATIVE:	NA.
SUMMATIVE (I & II)	I term: Single choice test (60 question – 90 min) II term: Oral Exam (To pass the exam correct answer for minimum 2 questions required)

GRADING SCALE

3,0 (Satisfactory)	60%-70% of correct answers
3,5 (Satisfactory plus)	71%-75% of correct answers
4,0 (Good)	76%-85% of correct answers
4,5 (Good plus)	86%-90% of correct answers
5,0 (Very Good)	91%-100% of correct answers

BASIC LITERATURE

[1] Hacker & Moore's Essentials of Obstetrics and Gynecology; [2] The Polish Society of Gynecologists and Obstetricians guidelines