

**Thematic plan of seminars
in the discipline "Obstetrics"
for students of the educational program specialist
in the specialty 31.05.01. General Medicine,
direction (profile) General Medicine,
form of study full-time
for the 2023-2024 academic year**

№	Thematic blocks *	Hours (academic)
1.	Introduction to the discipline. ¹ History of the development of obstetrics as a science and domestic obstetrics. Organization of obstetric and gynecological care, structure and tasks. Deontology in obstetrics, ethical standards of behavior of an obstetrician. Regulation of the menstrual cycle. Fertilization and development of the embryo. Implantation stages of embryo development. Implantation. Organogenesis. Placentation. The doctrine of critical periods of intrauterine development. The structure and functions of the placenta, amnion and umbilical cord. Functions of amniotic fluid. Fetal blood circulation and fetal metabolism. Signs of maturity and full-term fetus. ² (Часть 1).	2
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2.	Regulation of the menstrual cycle. Diagnosis of pregnancy. ¹ Phase of the menstrual cycle. Fertilization. Implantation. Hormonal profile of pregnancy. Signs of pregnancy: probable, reliable, biochemical markers of pregnancy, instrumental diagnosis of pregnancy. Determination of the date of maternity leave and the date of delivery. Providing legal assistance to pregnant women. Medical examination of pregnant women. Methods of examination in the women's clinic. ² (Часть 1).	2
	Regulation of the menstrual cycle. Diagnosis of pregnancy. ¹ Phase of the menstrual cycle. Fertilization. Implantation. Hormonal profile of pregnancy. Signs of pregnancy: probable, reliable, biochemical markers of pregnancy, instrumental diagnosis of pregnancy. Determination of the date of maternity leave and the date of delivery. Providing legal assistance to pregnant women. Medical examination of pregnant women. Methods of examination in the women's clinic. ² (Часть 2).	2
3.	Pelvis from an anatomical and obstetric point of view. ¹ The structure of the pelvis from an obstetric point of view, the anatomical structure of the bone pelvis. The dimensions of the large and small pelvis, the plane of	2

	the small pelvis. Measure and evaluate the bone pelvis. Measure and evaluate the Solovyov index. Measure and evaluate the Michaelis rhombus. Measure and evaluate the lateral conjugate. Calculate the estimated weight of the fetus. ² (Часть 1).	
	Pelvis from an anatomical and obstetric point of view. ¹ The structure of the pelvis from an obstetric point of view, the anatomical structure of the bone pelvis. The dimensions of the large and small pelvis, the plane of the small pelvis. Measure and evaluate the bone pelvis. Measure and evaluate the Solovyov index. Measure and evaluate the Michaelis rhombus. Measure and evaluate the lateral conjugate. Calculate the estimated weight of the fetus. ² (Часть 2).	2
4.	The fetus as an object of childbirth. Fetoplacental complex. ¹ Evaluate the fetus as an object of childbirth: the size of the head and trunk of a full-term fetus. Embryo-, organogenesis, periods of formation of the placenta. The effects of adverse factors on the fruit-placental complex. Listen to the fetal heartbeat. Evaluate the nature of fetal movement. Perform a bimanual study on a phantom. Interpret the received data. ² (Часть 1).	2
	The fetus as an object of childbirth. Fetoplacental complex. ¹ Evaluate the fetus as an object of childbirth: the size of the head and trunk of a full-term fetus. Embryo-, organogenesis, periods of formation of the placenta. The effects of adverse factors on the fruit-placental complex. Listen to the fetal heartbeat. Evaluate the nature of fetal movement. Perform a bimanual study on a phantom. Interpret the received data. ² (Часть 2).	2
5.	External and internal examination in childbirth. Biomechanism of childbirth with head presentation (Clinical recommendations for the management of normal childbirth). ¹ The management of normal childbirth, the concept of the biomechanism of fetal birth, the definition of the period of disclosure, the period of exile, manual manual for head presentation, the management of the postpartum and early postpartum periods. Provision of primary toilet to a newborn. Perform an internal obstetric examination and assess the condition of the birth canal. Perform an amniotomy. Take a normal birth. Determine the signs of placenta separation. To isolate the afterbirth with positive signs of its separation. To assess blood loss in the postpartum period. ² (Часть 1).	2
	External and internal examination in childbirth. Biomechanism of childbirth with head presentation (Clinical recommendations for the management of normal childbirth). ¹ The management of normal childbirth, the concept of the biomechanism of fetal birth, the definition of the period of disclosure, the period of exile, manual manual for head presentation, the management of the postpartum and early postpartum periods. Provision of primary toilet to a newborn. Perform an internal obstetric examination and assess the condition of the birth canal. Perform an amniotomy. Take a normal birth. Determine the signs of placenta separation. To isolate the afterbirth with positive signs of its separation. To assess blood loss in the postpartum period ² (Часть 2).	2
6.	Assessment of the newborn's condition. The toilet of a newborn. ¹ Evaluate the newborn on the Apgar scale. Measure the circumference of the head, abdomen, length of the newborn. Conduct a primary toilet for a newborn. ² (Часть 1).	2
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	Evaluate the newborn on the Apgar scale. Measure the circumference of the head, abdomen, length of the newborn. Conduct a primary toilet for a newborn. ² (Часть 2).	
7.	Obstetric bleeding in the first half of pregnancy. ¹ Causes and clinical course of the stages of spontaneous abortions. Doctor's tactics. Ectopic pregnancy, bleeding from a cancerous tumor of the cervix. ² (Часть 1).	2
	Obstetric bleeding in the first half of pregnancy. ¹ Causes and clinical course of the stages of spontaneous abortions. Doctor's tactics. Ectopic pregnancy, bleeding from a cancerous tumor of the cervix. ² (Часть 2).	2
8.	Obstetric bleeding in the second half of pregnancy. ¹ Premature placental abruption, types of detachment, pregnancy management and indications for delivery. Emergency measures for bleeding and hemorrhagic shock. Etiology, classification, clinical course of placenta previa. Doctor's tactics depending on the gestation period. ² (Часть 1).	2
	Obstetric bleeding in the second half of pregnancy. ¹ Premature placental abruption, types of detachment, pregnancy management and indications for delivery. Emergency measures for bleeding and hemorrhagic shock. Etiology, classification, clinical course of placenta previa. Doctor's tactics depending on the gestation period. ² (Часть 2).	2
9.	Bleeding in the subsequent and early postpartum period. ¹ The main causes, clinic, diagnosis, methods of treatment and prevention of bleeding in the subsequent and early postpartum periods (clinical protocol). Diagnostics and tactics of management of pregnant women, women in labor and maternity with amniotic fluid embolism and thromboembolism. Emergency assistance. ² (Часть 1).	2
	Bleeding in the subsequent and early postpartum period. ¹ The main causes, clinic, diagnosis, methods of treatment and prevention of bleeding in the subsequent and early postpartum periods (clinical protocol). Diagnostics and tactics of management of pregnant women, women in labor and maternity with amniotic fluid embolism and thromboembolism. Emergency assistance. ² (Часть 2).	2
10.	Premature birth. ¹ Diagnosis and management of premature birth according to clinical recommendations. ²	2
	Intrauterine fetal hypoxia. Preventive measures and treatment. Asphyxia of a newborn, intensive care. ¹ Causes of fetal intrauterine hypoxia. Causes and clinic of newborn asphyxia. Resuscitation measures for asphyxia of newborns. Methods of prevention of intrauterine fetal hypoxia and asphyxia of newborns. Signs of fetal intrauterine hypoxia. Assessment of the newborn's condition on the Apgar scale. Resuscitation measures for asphyxia of varying severity. ²	2
11.	Toxicosis of pregnancy. Features of the course and management of pregnancy, childbirth, obstetric practice. ¹ Etiology, classification, clinical course of toxicosis of pregnant women. The most common forms. Vomiting of pregnant women, severity. Diagnostic methods. Treatment of vomiting of pregnant women. Indications for termination of pregnancy. Rare forms. Features of the course of pregnancy. Doctor's tactics. ² (Часть 1).	2
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	of pregnancy. Rare forms. Features of the course of pregnancy. Doctor's tactics. ² (Часть 2).	
12.	Preeclampsia. ¹ Etiology, pathogenesis, classification of preeclampsia. Tactics of management of pregnant women and women in labor. Magnesia therapy. The course of pregnancy. Methods and timing of delivery. ² (Часть 1).	2
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13.	Eclampsia. Effect on the fetus. ¹ Eclampsia. Clinic, diagnostics. Providing emergency care to pregnant women, maternity women, women in labor with preeclampsia and eclampsia. ² (Часть 1).	2
	Eclampsia. Effect on the fetus. ¹ Eclampsia. Clinic, diagnostics. Providing emergency care to pregnant women, maternity women, women in labor with preeclampsia and eclampsia. ² (Часть 2).	2
14.	Pregnancy and childbirth in the pelvic presentation. ¹ Various variants of pelvic presentation of the fetus, biomechanism of childbirth with them, management of childbirth. ² (Часть 1).	2
	Pregnancy and childbirth in the pelvic presentation. ¹ Various variants of pelvic presentation of the fetus, biomechanism of childbirth with them, management of childbirth. ² (Часть 2).	2
15.	Extensor inserts of the head. ¹ Biomechanisms of childbirth in extensor inserts of the fetal head. biomechanism of labor during extensor presentation and insertion of the head (anterior, frontal, facial), the course and management of labor. ² (Часть 1).	2
	Extensor inserts of the head. ¹ Biomechanisms of childbirth in extensor inserts of the fetal head. biomechanism of labor during extensor presentation and insertion of the head (anterior, frontal, facial), the course and management of labor. ² (Часть 2).	2
16.	Incorrect fetal positions. ¹ Transverse and oblique arrangement of the fetus. Diagnostics and methods of delivery. ² (Часть 1).	2
	Incorrect fetal positions. ¹ Transverse and oblique arrangement of the fetus. Diagnostics and methods of delivery. ² (Часть 2).	2
17.	Multiple pregnancy. ¹ Multiple pregnancy. Etiology, diagnosis, fetofetal dysfunction syndrome, effect on fetuses, features of delivery. ² (Часть 1).	2
	Multiple pregnancy. ¹ Multiple pregnancy. Etiology, diagnosis, fetofetal dysfunction syndrome, effect on fetuses, features of delivery. ² (Часть 2).	2
18.	Induction of labor during post-term pregnancy. ¹ Methods of pre-induction of the cervix and induction of labor during pregnancy. Features of delivery, possible complications and their prevention. ²	2
19.	Anomalies of labor activity, ways of its regulation. ¹ Causes and methods of diagnosis of various forms of labor anomalies, principles of treatment and prevention. Pathological preliminary period, weakness of the birth forces, discoordination. Diagnostics and correction possibilities. ² (Часть 1).	2
	Anomalies of labor activity, ways of its regulation. ¹ Causes and methods of diagnosis of various forms of labor anomalies, principles of treatment and prevention. Pathological preliminary period, weakness of the birth forces, discoordination. Diagnostics and correction possibilities. ² (Часть 2).	2
20.	Pregnancy and childbirth with a narrow pelvis. ¹ Various forms and	2

	degrees of narrowing of the pelvis. the reason for the formation and conditions of a clinically narrow pelvis, the biomechanism of childbirth, the management of pregnancy and childbirth, diagnosis, prevention and therapy, complications for the mother and fetus. Diagnosis, clinic and management of childbirth with incorrect fetal positions, technique of obstetric operations of embryotomy, classic obstetric turn and fetal extraction by the pelvic end. ² (Часть 1).	
	Pregnancy and childbirth with a narrow pelvis. ¹ Various forms and degrees of narrowing of the pelvis. the reason for the formation and conditions of a clinically narrow pelvis, the biomechanism of childbirth, the management of pregnancy and childbirth, diagnosis, prevention and therapy, complications for the mother and fetus. Diagnosis, clinic and management of childbirth with incorrect fetal positions, technique of obstetric operations of embryotomy, classic obstetric turn and fetal extraction by the pelvic end. ² (Часть 2).	2
21.	Caesarean section in modern obstetrics. Obstetric forceps, vacuum fetal extraction. ¹ Indications for fruit-destroying operations in obstetrics. To master the technique of the operation of applying obstetric forceps (phantom) and cesarean section in the lower segment of the uterus (phantom, dummy uterus). Emergency measures, indications, conditions, caesarean section technique, the course of the postoperative period. Application of a vacuum extractor. Indications, technique, possible complications. ² (Часть 1).	2
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22.	Birth trauma of the mother and fetus. ¹ Birth trauma of the mother damage to the external genitalia (vagina, cervix, uterus). Etiology, pathogenesis, clinic, prevention, diagnosis and treatment of these complications. Management of pregnant women and women in labor with a scar on the uterus. Trauma of the pubic joint. Birth trauma of the fetus damage to the central nervous system, bones, soft tissues and internal organs. Prevention, doctor's tactics. ² (Часть 1).	2
	Birth trauma of the mother and fetus. ¹ Birth trauma of the mother damage to the external genitalia (vagina, cervix, uterus). Etiology, pathogenesis, clinic, prevention, diagnosis and treatment of these complications. Management of pregnant women and women in labor with a scar on the uterus. Trauma of the pubic joint. Birth trauma of the fetus damage to the central nervous system, bones, soft tissues and internal organs. Prevention, doctor's tactics. ² (Часть 2).	2
23.	Purulent-septic infections in obstetric practice. ¹ Stages of the spread of postpartum infection; indications for intensive therapy and surgical treatment; to assess the clinical symptoms of postpartum infection. Solving situational problems. Analysis of birth histories complicated by purulent-septic diseases of the mother and newborn. ² (Часть 1).	2
	Purulent-septic infections in obstetric practice. ¹ Stages of the spread of postpartum infection; indications for intensive therapy and surgical	2

	treatment; to assess the clinical symptoms of postpartum infection. Solving situational problems. Analysis of birth histories complicated by purulent-septic diseases of the mother and newborn. ² (Часть 2).	
24.	Cardiovascular diseases and pregnancy. Curation of pregnant women, preparation of a delivery plan. ¹ The effect of cardiovascular diseases (heart defects, hypertension) on the course of pregnancy, childbirth, fetus and newborn. Delivery plan for cardiovascular diseases. Features of the management of pregnancy, childbirth and the postpartum period in women with heart defects. ² (Часть 1).	2
	Cardiovascular diseases and pregnancy. Curation of pregnant women, preparation of a delivery plan. ¹ The effect of cardiovascular diseases (heart defects, hypertension) on the course of pregnancy, childbirth, fetus and newborn. Delivery plan for cardiovascular diseases. Features of the management of pregnancy, childbirth and the postpartum period in women with heart defects. ² (Часть 2).	2
25.	Pregnancy with diabetes mellitus and thyroid diseases. Curation of pregnant women, preparation of a plan for the management of childbirth. ¹ Complications of pregnancy and childbirth in diabetes mellitus (mother- fetus). Gestational pyelonephritis, influenza, HIV, COVID-19. Methods of delivery and delivery dates for these somatic diseases. ² (Часть 1).	2
	Pregnancy with diabetes mellitus and thyroid diseases. Curation of pregnant women, preparation of a plan for the management of childbirth. ¹ Complications of pregnancy and childbirth in diabetes mellitus (mother- fetus). Gestational pyelonephritis, influenza, HIV, COVID-19. Methods of delivery and delivery dates for these somatic diseases. ² (Часть 2).	2
27.	Intermediate certification (part 1)	2
	Intermediate certification (part 2)	2
	Total	102

¹ -Subject

² - essential content

* – one thematic block includes several seminar-type classes, the duration of one lesson is 45 minutes with a break between classes of at least 10 minutes

Considered at the meeting of the department of Obstetrics and Gynecology "30" May 2023, protocol No 18.

Head of the Department of
Obstetrics and gynecology,
Doctor of Medical Sciences



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