

**Thematic lesson plan of lectures
in the discipline " Innovative methods of diagnosis and treatment in
obstetrics" for students of the educational program
of the specialty 31.05.01. General Medicine
(specialist's), form of study full-time
for the 2023-2024 academic year**

№	Topics of lectures	Hours (academic)
1.	The purpose and objectives of obstetric screening ¹ . Timing and scope. Diagnostics of intrauterine fetal malformations, modern markers and innovative correction possibilities (intra- and postnatal). ²	2
2.	Innovative approaches to obstetric tactics in the detection of congenital fetal defects of the fetus compatible and incompatible with life ¹ . Ultrasound. Genetic screening. CTG, dopplerometry, amniocentesis, cordocentesis, biochemistry, biophysical profile of the fetus ² .	2
3.	Innovative methods of diagnosis of fetoplacental insufficiency ¹ . Markers of AFN, modern principles of management of pregnant women with AFN ² .	2
4.	Monitoring of uterine contractile activity and fetal condition in childbirth ¹ . Innovations in monitoring uterine contractility (CTG, lactate, STAN, ultrasound) ² .	2
5.	Problems of obstetric bleeding. ¹ Volume of blood loss, coagulopathy, hyperhomocysteinemia, gene mutation. Diagnosis of placental attachment pathology: color Doppler mapping of blood flow. ²	2
6.	Innovative methods of diagnosis of septic complications in obstetrics. ¹ Diagnosis of the severity of intoxication, microbiological confirmation of infectious complications: ELISA, PCR, A/b-gram. Detection of multiple organ failure. Diagnosis of obstetric peritonitis and other postpartum infectious complications. ²	2
7.	Problems of premature birth ¹ . Miscarriage. ¹ The concept of under-bearing and over-bearing pregnancy. Innovative methods of diagnosis and prediction of premature birth. Markers of premature birth ² .	2
8.	Innovative methods of physiological pregnancy management. ¹ Physiology of pregnancy. Management of pregnant women in a women's consultation, according to the order of the Ministry of Health of the Russian Federation No. 1130n. Laboratory and instrumental innovative methods of pregnancy management (District offices of genetic screening, markers of fetal pathology). ²	2
9.	Innovative approaches in the management of physiological and complicated childbirth. ¹ The current state of the issue of the management of normal childbirth. The main complications and innovations in the correction of labor activity. ²	2
10.	Prevention and innovative methods of treatment of obstetric complications during operative delivery. ¹ Aspects: anesthetic, surgical and intensive care. ²	2
11.	Principles of obstetric care for patients with severe preeclampsia. ¹ Obstetric tactics, methods of labor arousal, labor management and intensive care. Indications for early delivery. ²	2

12.	Organ-preserving methods of combating obstetric bleeding. ¹ Balloon tamponade, vascular occlusion, compression sutures, hemostatic therapy. ²	2
13.	Innovative methods of combating septic complications and multiple organ failure in obstetrics. ¹ Sorption methods, ozone therapy, ultrasound cavitation. ²	2
14.	Innovative methods of prevention and management of premature birth ¹ . Premature birth, causes, features of pregnancy and childbirth. Types and principles of benefits for premature birth. Tactics for untimely outpouring of amniotic fluid. Treatment and prevention of miscarriage. ²	2
	Total	28

¹ -Subject

² - essential content

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



N.A. Burova