

**PLAN OF LESSONS ON ELECTIVE OF «OBSTETRICS AND
GYNECOLOGY»
FOR 4th YEAR STUDENTS OF
FACILITY FOR INTERNATIONAL STUDENTS**

*Thematic plan was approved at a meeting of the Department of Obstetrics and
Gynecology with PD & PC*

Topic 1. The Placenta and fetal membranes. Amniotic fluid disorders.

1. The placenta: development and structure.
2. Placental function.
3. The fetal membranes and amniotic fluid.
4. Polyhydramnios.
5. Oligohydramnios.

Topic 2. Physiological changes during pregnancy.

1. Hematological changes.
2. Changes of cardiovascular system during pregnancy.
3. Systemic changes during pregnancy.
4. Metabolic changes during pregnancy.
5. Changes of genital organs and breasts during pregnancy.
6. Changes of endocrine glands during pregnancy.

Topic 3. Diagnosis of pregnancy.

1. Specific symptoms and signs of pregnancy.
2. Diagnosis of pregnancy in the first trimester.
3. Diagnosis of late pregnancy.
4. Antenatal care during pregnancy.
5. Ethics and deontology in obstetrics.

Topic 4. Antenatal assessment of fetal well-being

1. Perinatal mortality rate, causes, risk factors, risk groups.
2. Prenatal diagnostics of congenital malformations of the fetus: noninvasive methods and terms.
3. Invasive procedures for prenatal diagnosis of congenital malformations of the fetus: indications, methods, management.
4. Methods for assessing the fetal wellbeing during pregnancy: antepartum cardiotocography, fetal ultrasonography, Doppler blood flow study, biophysical profile.
5. Methods for assessing the fetal wellbeing during labor: intrapartum cardiotocography, determination of the gas composition, lactic acid levels in the blood of the fetus.

Topic 5. Complicated Pregnancy. Stillbirths.

1. Complete and incomplete abortion. Causes. Clinical features. Diagnostics. Treatment.
2. Missed abortion. Causes. Clinical features. Diagnostics. Treatment.
3. Septic abortion. Causes. Clinical features. Diagnostics. Treatment.
4. Stillbirths . Causes. Clinical features. Diagnostics. Management.

Topic 6. Diseases of the fetus and newborn. Shoulder Dystocia.

1. Intrauterine fetal growth restriction (IUGR): pathogenesis, clinical features, diagnostic methods, treatment.
2. Perinatal asphyxia. Causes. Clinical features. Diagnosis. Management.
3. Shoulder dystocia. Causes. Clinical features. Diagnosis. Management.
4. Respiratory distress in the newborn. Causes. Clinical features. Diagnosis. Management. Prevention.
5. Perinatal infections. Causes. Clinical features. Diagnosis. Management.

Topic 7. Induction of labor.

1. Induction of labor. Indications and contraindications.
2. Mechanical methods of pre-induction and induction of labor.
3. Medical methods of pre-induction and induction of labor.
4. Artificial rupture of the membranes. Indications. Methods. Complications.
5. Partograph.

Topic 8. Pharmacotherapeutics in Obstetrics.

1. Uterotonics in Obstetrics. Oxytocin. Prostaglandins.
2. Antihypertensive therapy.
3. Tocolytic therapy.
4. Treatment and prevention of thromboembolic complications.
5. Analgesia and anesthesia in obstetrics. Analgesia during labor and delivery.
6. Antibiotic prophylaxis and therapy in Cesarean Section.