

**Topic scheme**  
**of practical studies on obstetrics**  
**for forth-year students**  
**8<sup>th</sup> term 2021-2022**

1. Multiple pregnancy. Postdate and prolong pregnancy.
2. Hemorrhages during the pregnancy (premature separation of normally located placenta, placental presentation), in afterbirth and early postnatal the stages.
3. Hypertensive disorders of pregnancy.
4. Abnormalities of labor. Contracted pelvis in modern obstetrics
5. Birth trauma.
6. Cesarean section. Obstetrical forceps. Fetus destructive operations.
7. Puerperal septic diseases.

**Beginning: 8.00 – 12.15. Duration of employment - 5,0 hours (35)**

Break time 1: 09.30 - 09.45

Break time 2: 11.15 - 11.30

**Examination**

**Head of obstetrics**

**and gynecology chair**



**Gutikova L.V.**

**The list of practical skills  
for 4 - year Foreign Students**

1. External obstetrics inspection (fundal height measurement, a stomach circle, classical planes and size of pelvis, Leopold's maneuvers).
2. Definition of term of pregnancy, date of birth.
3. Assessment of fetal well-being.
4. CTG of a fetus.
5. An estimation of character of labor activity.
6. Methods of anesthesia of labor pain.
7. Amniotomy (indications, conditions, contra-indications).
8. Ways of definition of size of blood loss.
9. The principles of the delivery of the head in the second stage of labor.
10. Apgar score and a primary toilet of newborns.
11. Signs of separation of placenta.
12. Preventive maintenance of bleedings in the postnatal period.
13. Ultrasonic and Doppler investigation in obstetrics.

## **Lesson №1**

### **Multiple pregnancy. Postdate and prolong pregnancy**

1. Multiple pregnancy – etiology, pathogenesis, diagnosis.
2. Course and management of multiple pregnancy.
3. Delivery in a case of multiple pregnancy.
4. Preterm labor: etiology, pathogenesis, classification, diagnosis, clinical signs, management.
5. Prophylaxis of preterm delivery.
6. Diagnosis and management of preterm labor.
7. Characteristic of preterm child.
8. Postdate pregnancy: etiology, pathogenesis, diagnosis, prophylaxis, management.
9. Differential diagnosis between postdate and prolong pregnancy.
10. Diagnosis, course and management of postdate labor.
11. Characteristic of postdate child.

### **Literature**

1. Dutta, D. C. Text Book of Obstetrics [Текст] : including Perinatology and Contraception / D. C. Dutta ; edited by Hiralal Konar, 2004. - 666, xix p.
2. Lectures on obstetrics [Текст] : manual for the students of foreign department (in English) / L. V. Gutikova [et al.], 2010. - 173 с.
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4. Hanretty, Kevin. Obstetrics Illustrated [Текст] / Kevin P. Hanretty ; illustrated by Ian Ramsden, Robin Callander, 2010. - 437, [8] p.

## Lesson №2

### **Hemorrhages during the pregnancy (premature separation of normally located placenta, placental presentation), in afterbirth and early postnatal the stages.**

1. The reasons of a bleeding during pregnancy.
2. Placenta previa, concept definition, frequency, predisposing factors, classification. Low-located placenta.
3. Predisposing factors and pathophysiology of placenta previa.
4. Clinical features of placenta previa.
5. Diagnosis of placenta previa.
6. Management of labor.
7. Treatment (conservative, operative).
8. The cervical placenta. An etiology, clinic, diagnostics, treatment.
9. Abruptio placentae. Etiology and pathogenesis
10. Clinical features, diagnostics premature separation of normally located placenta.
11. Differential diagnostics with placental presentation.
12. Management and treatment premature separation of normally located placenta.
13. Concept about pathological bleeding in the third period of labor.
14. The reasons of a bleeding in the third stage of labor.
15. Clinical features and diagnostics of complications of the third stage of labor.
16. Methods of a stop of a bleeding at absence of signs of placental detachment.
17. Tactics of the doctor after placental detachment. Ways of removal of afterbirth.
18. Prophylaxis of an infection in the postnatal period.
19. The reasons of a bleeding in the early postnatal period.
20. Concept about a hypotonic and atonic uterus.
21. Clinical features and diagnostics of a hypotonic bleeding. Compensated and decompensated blood loss.
22. Actions on a stop of a hypotonic bleeding.
23. Actions for struggle with acute blood loss. The basic methods of reanimation.
24. Bleedings at blood coagulation disorders (the reason, contributing factors), clinic.
25. The differential diagnosis with a hypotonic bleeding.
26. Treatment.
27. Hemorrhagic shock in obstetrics.

## Literature

1. Dutta, D. C. Text Book of Obstetrics [Текст] : including Perinatology and Contraception / D. C. Dutta ; edited by Hiralal Konar, 2004. - 666, xix p.
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## **Lesson №3**

### **Hypertensive disorders of pregnancy.**

1. Hyperemesis gravidarum (HG). Etiology and pathogenesis. Classification. Diagnostics. Treatment.
2. Sever form of HG - pernicious vomiting of pregnant. Clinical features. Diagnostics. Treatment. Management.
3. Hypersalivation. Clinical features. Diagnostics. Treatment.
4. Gestational oedema. Clinical features. Diagnostics. Treatment.
5. Gestational proteinuria. Clinical features. Diagnostics. Treatment.
6. Gestational hypertension. Clinical features. Diagnostics. Treatment.
7. Definition of «preeclampsia» and « eclampsia».
8. Etiology and pathogenesis of preeclampsia. Risk factors.
9. Classification of preeclampsia.
10. Clinical features of preeclampsia, diagnostic criteria for preeclampsia.
11. Eclampsia. Clinical features. Diagnostics. Treatment.
12. Emergency management of eclampsia.
13. Rare and atypical forms of preeclampsia.
14. HELLP-syndrome. Clinical features. Diagnostics. Treatment.
15. Intrahepatic cholestasis of pregnancy. Clinical features. Diagnostics. Treatment.
16. Acute fatty liver of pregnancy. Clinical features. Diagnostics. Treatment.
17. Preeclampsia prophylaxis.

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## Lesson №4

### Abnormalities of labor.

#### Contracted pelvis in modern obstetrics

1. Pathological preliminary period. Diagnostics. Tactics.
2. Causes of abnormal labor: powers (uterine contractions), passenger (fetal factors), passage (maternal pelvis).
3. Abnormalities of labor: hypertonic, hypotonic uterine contractions. Complications. Prophylaxis.
4. Evaluation of uterine contractions. Primary dysfunctional labor.
5. Tocolytic agents administration in labor.
6. Failure to progress in labor (prolongation disorder).
7. Secondary arrest of labor (complete cessation of progress).
8. Management of hypocontractile dysfunction.
9. Induction/Augmentation of labor: pharmacologic methods. Use of prostaglandins in obstetrics practice. Mechanism of action.
10. Amniotomy.
11. Oxytocin administration. Indications. Complications.
12. Abnormalities of the active phase of labor: protraction disorder of the active phase of labor, protraction disorder of descent, arrest of dilatation. Management.
13. Anatomically contracted pelvis. Definition. Causes of contracted pelvis development.
14. Classification of contracted pelvises according to the form and degree of contraction.
15. Diagnostics of contracted pelvis. Pelvic diameters.
16. Accouchement course and conducting under contracted pelvis.
17. Cephalopelvic disproportion. Definition. Clinic.
18. Diagnostics of cephalopelvic disproportion.
19. Large fetus. Causes. Diagnostics. Particularities of pregnancy and accouchement course.

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## **Lesson №5**

### **Birth trauma.**

1. Injuries of birth canal. Risk factors.
2. Laceration of perineum and vagina. Management.
3. Puerperal hematomas: vulvar and vaginal hematomas, retroperitoneal hematomas. Diagnosis. Treatment.
4. Injuries to the cervix. Diagnosis. Treatment.
5. Uterine rupture. Risk factors. Classification. Clinical signs. Diagnosis. Treatment.
6. Birth trauma. Intraventricular hemorrhage from mechanical injury, cephalohematoma, caput succedaneum. Nerve injuries. Skeletal and muscle injuries. Prevention and treatment.

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## Lesson №6

### Cesarean section. Obstetrical forceps. Fetus destructive operations.

1. Cesarean section. Indications: fetal, maternal, maternal and fetal. Absolute and relative indications. Emergency and planned Cesarean section.
2. The types of Cesarean section: abdominal, vaginal, “small caesarean section”
3. Prerequisite criteria for Cesarean section.
4. The choice of anesthesia in Cesarean section (regional and general). Advantages and disadvantages. Complications. Contraindications.
5. Procedure of the abdominal Cesarean section.
6. The types of uterine incision: low transverse, classical, T-extension.
7. Intraoperative complications.
8. Postoperative period. Postoperative pain management.
9. Cesarean Hysterectomy. Indications. Risks.
10. The main types of obstetrical forceps, their peculiarities and advantages.
11. Mechanism and purpose of obstetrical forceps.
12. Indication and contraindication for use of obstetrical forceps.
13. Prerequisite criteria for forceps delivery.
14. Three Threefold rules of use of obstetrical forceps. Forceps technique.
15. Preparation for an operation. Methods of labor pain-relief.
16. Technique of the operation of use obstetrical forceps.
17. Types of forceps operations: outlet forceps, low forceps, mid forceps
  - a. in case of occipitotransverse position;
  - b. in case of occipitoposterior position.
18. Difficulties during an operation of use of obstetrical forceps. Complications of forceps delivery to the mother and the fetus.
19. The nearest and the furthest consequences of forceps delivery.
20. Types of fetus destroying operations. Indications and conditions.
21. Craniotomy. The definition of the notion, indication, technique, stages of the operation.
22. Complications during craniotomy.
23. Embryotomy: definition of the notion, indication, technique.
24. Cleydotomy: indication, technique.
25. Decapitation: indication, technique.
26. The definition of the notion of neglected diametrical position of the fetus.
27. Avisteratsiya, spondilotomy.

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## **Lesson №7**

### **Puerperal septic diseases**

1. Puerperal purulo-septic diseases. Definition. Sazonov-Bartels classification.
2. The pathophysiology of puerperal septic diseases. Factors, predisposing to the development of puerperal genital tract infection. Prophylaxis.
3. Puerperal ulcer, etiology, diagnosis, treatment.
4. Puerperal endometritis. Incidence rate, etiology, diagnosis. Treatment.
5. Clinical features, diagnosis and treatment of puerperal metroendometritis.
6. Diagnosis and treatment of puerperal metrothrombophlebitis, parametritis.
7. Puerperal pelvioperitonitis. Diagnosis. Management. Prophylaxis.
8. Obstetrical peritonitis (peritonitis after cesarean section). Mechanisms of infection. Risk group. Clinic, diagnosis, approach, prophylaxis.
9. Infectious and toxic shock. Definition. Place in the structure of maternal mortality causes and Sazonov-Bartels classification. Etiopathogenesis. Clinic. Diagnosis. Complications. Treatment.
10. Sepsis. Place in the structure of maternal mortality causes. Etiopathogenesis of puerperal sepsis. Clinic, diagnosis.
11. Treatment of obstetrical sepsis. Program of fluid therapy. Peculiarities of antibiotics therapy. Doctor's approach about primary site of infection.
12. Lactational mastitis. Classification. Clinic. Maternity hospital doctor's approach. Solution to a question on the possibility of infant feeding.
13. Gonorrhoea in puerperal period.

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1. Dutta, D. C. Text Book of Obstetrics [Текст] : including Perinatology and Contraception / D. C. Dutta ; edited by Hiralal Konar, 2004. - 666, xix p.
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