

INTERNATIONAL HIGHER SCHOOL OF MEDICINE
Department of Obstetrics and Gynecology

SYLLABUS
Obstetrics and Gynecology
2024-2025 academic year
for students of medical faculty
4 course 7 semester, groups
6 credits (216 h, including auditorial - 108 h, independent work – 108 h)

Lecturer: Ryskeldieva V.T.
+996558065108 (Whatsapp)

Email:

Venue: Zoom

Practical classes: Eshalieva A.S.
0555992526 (Whatsapp)
Email: ainash_eshalieva@mail.ru

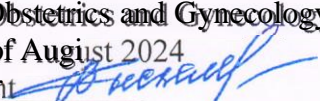
Saikal Osmonova
+996550506650 (Whatsapp)
Email: saikal.osmonova@gmail.com

Aida Uzakova
+996550580058 (Whatsapp)
Email: aidauzakova@yahoo.com

Karina Brovko
+996555906606 (Whatsapp)
Email: ian.karina@inbox.ru

Gulzat Totuyeva
+996772700233 (Whatsapp)
Email: gtotuyeva@mail.ru

Venue: Eiva clinic, Bishkek, residential area Yntymak st. Kyrman 38/1

The Syllabus is considered
at the meeting of the department of Obstetrics and Gynecology
Protocol № 1 dated 28th of August 2024
Head of the department 

Course Objective: The purpose of the study discipline "Pathological obstetrics and gynecology" is to acquire knowledge in the field of obstetrics and gynecology, as well as the principles of diagnosis, skills and abilities of treatment, prevention and emergency care in obstetrics and gynecology.

After study of the discipline, the student must:

Knowledge: After studying the discipline, the student should know:

1. Goals and objectives, principles and methods of asepsis and antisepsis in professional activity of obstetrician and gynecologist.
2. Principles of application and processing of surgical and/or complex diagnostic instruments to perform the tasks of professional activity of obstetrician and gynecologist.
3. Standard algorithms of treatment of the most common diseases in obstetric and gynecological practice.
4. Techniques and methods of first aid to emergency and life-threatening conditions in obstetric and gynecological practice.
5. Biomechanism and course of physiological pregnancy and childbirth.
6. Procedural basis, the order of organization, conduct and types of forensic examinations in obstetrics and gynecology, as well as techniques and methods of their implementation.

Skill: The student should be able to:

- To conduct clinical interpretation of physical, clinical-laboratory, functional and instrumental methods of examination in obstetrics and gynecology.
- Select and apply various methods of asepsis and antisepsis according to the goals and objectives of professional activity of obstetrician and gynecologist.
- Apply surgical and/or complex diagnostic instruments and supervise their processing to perform the tasks of the professional activity of obstetrician and gynecologist.
- Apply standard algorithms for the treatment of the most common pathological diseases in typical clinical situations in obstetric and gynecological practice.
- Select techniques and methods of first aid for emergency and life-threatening conditions in obstetric and gynecologic practice.
- Interpret the results of obstetric examination, instrumental and laboratory tests to determine the risk of possible complications.
- Determine the selection of conditions, equipment and techniques necessary to perform various types of forensic examinations in specific situations of obstetric and gynecological practice.
- Identify environmental hazards affecting the health of obstetric and gynecologic patients. Use preventive measures to improve the health of obstetric and gynecologic patients.

Attitude:

- Skills in substantiating the clinical diagnosis and choosing rational tactics for normal pregnancy, childbirth, postpartum period, pathological abnormalities in obstetrics, as well as in the treatment of the gynecological patient.
- Skills in demonstrating the choice and application of various methods of asepsis and antisepsis according to the goals and objectives of the professional activity of obstetrician and gynecologist.
- Skills in the purposeful use of surgical and/or diagnostic instruments to accomplish the objectives of the obstetrician's and gynecologist's professional practice.
- Skills in correcting the treatment of the most common diseases within the framework of standard algorithms according to the principles of evidence-based medicine in obstetric and gynecological practice.
- Skills in the application of basic first aid techniques in urgent and life-threatening conditions in obstetric and gynecological practice.
- Skills in demonstrating physiological childbirth on dummies.
- Technical skills in working with instruments, equipment and devices for conducting forensic investigations of different types in obstetric and gynecological situations.
- Skills to implement a set of measures aimed at preserving and strengthening the health of obstetric and gynecological patients, the formation of HLS, prevention, occurrence and spread of diseases.

Pre-requisites

- Anatomy (macro-microanatomy)
- Normal physiology
- Biochemistry
- Reproductive system

Post-requisites

- Polyclinical obstetrics.
- Family medicine

THEMATIC PLAN OF LECTURES

№	Theme of lecture	Hours	Date
Unit 1 - Pathology of pregnancy			
1.	Gestational toxicosis. Pregnancy and extra-/extragenital diseases	4	
2.	Abortion. Premature birth. Postponed pregnancy.	4	
3.	Ectopic pregnancy.	2	
4.	Pathological conditions in the antenatal period.	2	
Unit 2 -Pathological obstetrics (pathology of childbirth)"			
5.	Narrow pelvis. Incorrect position of the fetus. Birth management. C-section	4	
6.	Anomalies of the insertion of the fetal head. Birth management. Pathology of the localization of the placenta.	4	
7.	Anomalies of labor activity. Pathology of the subsequent period. Obstetric injuries	4	
Unit 3 - Pathology of the postpartum period			
8.	Pathology of the postpartum period.	4	
9.	Operative obstetrics.	4	
10.	Pathology of the neonatal period (postnatal period).	4	
Unit 4 –Gynecology			
11.	Infectious and non-infectious inflammatory diseases of the female genital organs.	2	
12.	Neuroendocrine syndromes. Anomalies in the position of the female genital organs.	2	
13.	Cysts of the genital organs. Myoma of the uterus. Endometriosis.	2	
14.	Precancerous and neoplastic diseases of the genital organs. Plastic surgery in gynecology.	2	
Unit 5 – Gynecology of children and adolescents			
15.	Anatomical and physiological features of childhood and puberty. Violations of sexual development. Juvenile bleeding.	2	
16.	Inflammatory diseases and injuries of the genital organs in girls. Contraception, pregnancy and childbirth in adolescents.	2	
	Total:	48	

THEMATIC PLAN OF PRACTICAL CLASSES

№	Theme of practical class	Hours	Date
Unit 1 - Pathology of pregnancy			
1.	Pregnancy and extra- and intragenital diseases.	4	
2.	Pregnancy interruption.	2	
3.	Postponed pregnancy. Polyhydramnion. Oligohydramnion. Anomalies of extra-embryonic elements.	2	
4.	Ectopic pregnancy. Antenatal period. Congenital malformations of the fetus.	2	
5.	Control unit 1	2	
Unit 2 – Pathology of labor (pathology of childbirth)			
6.	Variants of the structure of the pelvis. Labor management. Cesarean section	4	
7.	Management of childbirth with anomalies of insertion of the fetal head. Pathology of the localization of the placenta	4	
8.	Anomalies of labor activity. Pathology of the postpartum period. Main complications of childbirth. Obstetric trauma of mother and newborn.	2	
9.	Control unit 2	2	
Unit 3 - Pathology of the postpartum period			
10.	Pathology of the postpartum period.	4	
11.	Operative obstetrics. Pathology of the neonatal period (postnatal period).	6	
12.	Control unit 3	2	
Unit 4 –Gynecology			
13.	Infectious and non-infectious inflammatory diseases of the female genital organs. Endoscopic methods	4	
14.	Neuroendocrine syndromes with menstrual dysfunction and uterine bleeding. Anomalies in the position of the female genital organs.	4	

15.	Endometrioid heterotopias Endometriosis: genital and extragenital	4	
16.	Precancerous and neoplastic diseases of the genital organs. Trophoblastic diseases in obstetrics and gynecology. Cysts of the genital organs. Myoma of the uterus. Endoscopic methods.	2	
17.	Control unit 4	2	
Unit 5 -Gynecology of children and adolescents			
18.	Anatomical and physiological features of childhood and puberty. Violations of sexual development during childhood and puberty. Juvenile bleeding. Developmental defects. Inflammatory diseases of the genital organs in girls. Genital trauma. Questions of hygiene and sexual education. Contraception in adolescents. Pregnancy and childbirth in adolescents.	6	
19.	Control unit 5	2	
	Total:	60	

THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS

№	Theme of independent work	Hours	Date
1.	Pathology of pregnancy	24	
2.	Pathology of labor	24	
3.	Pathology of the postpartum period	24	
4.	Gynecology	24	
5.	Gynecology of children and adolescents	12	
	Total:	108	

Recommended reading for the discipline:

1. Basic:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
3. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
4. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.

2. Additional:

1. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009
2. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Grading policy and procedures for all types of work

For the period of studying the discipline, the student gains points for the relevant parameters (per unit):

current score - 40 points

independent work - 20 points

control score (final assessment of knowledge per unit) - 40 points

Maximum score - 100 (40+20+40)

Grading system for student's achievements

Grading criteria per discipline				
Maximum score	Intervals			
	«unsatisfactory»	«satisfactory»	«good»	«excellent»
Current control - 40	0-23	24-30	31-35	36-40
Interval description	The student does not perform the practical task (diagnosis, examination and treatment algorithm); Demonstrates partial theoretical knowledge of individual issues	The student does not perform the practical task (diagnosis, examination and treatment algorithm); shows insufficient knowledge of basic obstetric and gynecological pathology; Significant linguistic and logical errors in	Partially completed the practical task (diagnosis, examination and treatment algorithm), made inaccuracies; shows sufficient knowledge of basic obstetric and gynecological pathology; has mastered the instrumentation and is able to use it in practice under the guidance of	Performs a practical task (diagnosis, examination and treatment algorithm), with inaccuracies inaccuracy; shows knowledge of basic obstetric and gynecological pathology;

	in obstetrics and gynaecology; makes serious stylistic and logical mistakes in answering questions does not know the scientific terminology; is passive in communicating with the patient.	answering questions and using use of scientific terminology; poor mastery of the tools of the discipline, incompetence in solving standard (not knowing the tools of the discipline, incompetence in solving standard problems; inability to navigate the main theories, concepts and trends in obstetrics and gynecology; Passive communication with the patient.	the instructor; knows the main instrumental methods of investigation in obstetrics and gynecology; is oriented in the main approaches to the treatment of obstetric and gynecological pathology; uses selected scientific terms, satisfactorily answers the questions posed, is able to draw conclusions without significant errors, is able to apply typical solutions in standard is able to apply typical solutions to standard clinical situations; Demonstrates the skills of communication with the patient.	has knowledge of instrumentation and can use it in practice; knows the possibilities of basic instrumental examination methods in obstetrics and gynecology; is familiar with the main approaches to the treatment of obstetric and gynecological pathology; has a good command of scientific terminology, can answer the questions posed, and is able to draw conclusions, Applies typical solutions in standard clinical situations; Demonstrates the skills of communication with the patient.
Independent work - 20	0-11	12-15	16-17	18-20
Interval description	The student refuses to answer or shows a complete lack of knowledge of the course material when attempting to answer a question. No clinical problem solved, no independent work done.	Is not fully aware of the curriculum material. Does not correctly perform a number of clinical examination techniques. Can only apply his/her knowledge in a typical familiar situation and has difficulty with minor changes to the question. There are also difficulties in the application of special skills. Can only solve typical clinical problems and has poor communication skills.	The student has a general knowledge of the programme material, operating freely in a familiar situation. There are two or three deficiencies in the answer. The student confidently answers additional questions regarding the main points of the course, but has difficulty solving clinical problems in a situation that he/she is unfamiliar with. The student is able to apply the knowledge and relevant clinical skills to solve standard problems. Have minor errors in the completion of the report on the practical, case or case study. Not fully confident in communication skills, but demonstrates the ability to engage in effective dialogue.	You give a correct definition of the main concepts; shows understanding of the material, can justify your judgments, apply the knowledge in practice, give the necessary examples not only from the textbook, but also independently composed; presents the material consistently and correctly from the point of view of the norms of literary language.
Control work (module) - 40	0-23	24-30	31-35	36-40
Interval description	Has a sketchy, unsystematic knowledge of standard algorithms for the treatment of the most common diseases.	Reproduces standard algorithms for the treatment of the most common diseases, but makes some mistakes. Is able to solve typical clinical problems according to an established pattern,	Reproduces standard algorithms for the treatment of the most common diseases, understands the key points, but is inaccurate in analyzing the algorithms from the perspective of evidence-based medicine.	Is able to characterize the most common diseases, reproduce, understand and analyses their treatment algorithms from an evidence-based medicine perspective.

	Attempts to apply standard algorithms for the treatment of the most common diseases in typical clinical situations, making gross errors. Is able to reproduce standard algorithms for the treatment of the most common diseases, but has considerable difficulty in correcting them.	applying standard treatment algorithms, but makes some mistakes. Solves typical clinical problems according to an established pattern, applying standard treatment algorithms, and corrects them when necessary, but makes mistakes.	Is able to solve typical clinical problems independently, applying standard treatment algorithms, but is inaccurate in justifying his/her actions from the position of evidence-based medicine. Solves typical clinical problems independently by applying standard algorithms of treatment according to the principles of evidence-based medicine, corrects them if necessary, but makes inaccuracies.	Is able to solve typical clinical problems independently by applying standard treatment algorithms, clearly justifying his/her actions from the position of evidence-based medicine. Is able to solve typical clinical problems independently and correct standard treatment algorithms when necessary, clearly justifying his/her actions from the evidence-based medicine point of view.
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Conduct Policy: (lateness, absence, behavior in the auditorium, late submission of work).

- Punctuality and completion of tasks.
- Mandatory attendance of classes.
- Attending class in a clean medical uniform.
- Eliminating conversations on a cell phone in the classroom.
- Active participation in the learning process.
- Doing homework on time.
- Academic detention at the time specified by the teacher.

For violations of the Conduct Policy, the total points for discipline might be reduced to 1-5 points.

Academic Ethics Policy.

- Be tolerant, respect the opinions of others.
- Formulate objections in the correct form.
- Constructively support feedback in all classes.
- Plagiarism and other forms of dishonest work are unacceptable. Plagiarism includes the following: the absence of references when using printed and electronic materials, quotes, thoughts and works of other authors or students.
- Prompting and cheating during tests, exams, classes is unacceptable as well as passing an exam for another student, unauthorized copying of materials.

For violations of the Academic Ethics Policy, the total points for the discipline may be reduced to 1-5 points.

Guidelines for the lessons of the discipline

Key questions covered in lesson 1

1. Pregnancy and extra- and intragenital diseases. Etiology, pathogenesis, manifestations, diagnosis and treatment.
2. Gestational toxicosis (early and late).
3. Early: vomiting of pregnant women (mild, moderate, excessive), salivation (ptyalism), jaundice associated with pregnancy associated with cholestasis, acute fatty liver.
4. Clinic, diagnosis and treatment of gestational toxicosis.

Recommended reading for the lesson 1:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Introduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 2

1. Pregnancy interruption. Abortion. MBA. Medical abortion. Indications, advantages, disadvantages, contraindications, technique, complications.
2. Spontaneous abortion (threatening abortion, abortion that has begun, abortion in progress, incomplete abortion, complete abortion).
3. Missed miscarriage.

4. Criminal and septic abortion. Habitual miscarriage.

Recommended reading for the lesson 2:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009

Key questions covered in lesson 3

1. Postponed pregnancy. Etiology, pathogenesis, clinic, pregnancy management.
2. Polyhydramnion. Etiology, diagnosis and therapy. Monitoring of Pregnancies with polyhydramnios. Prognosis and delivery.
3. Oligohydramnion. Etiology, diagnosis and therapy, prognosis and delivery.
4. Anomalies of extra-embryonic elements.

Recommended reading for the lesson 3:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 4

1. Ectopic pregnancy. Types of ectopic pregnancy: tubal, ovarian, cervical, and abdominal.
2. Progressive tubal pregnancy.
3. Etiology, pathogenesis, clinic of progressing tubal pregnancy.
4. Rupture of the tube with disturbed tubal pregnancy, cervical pregnancy, and clinical picture.
5. Diagnosis "floating uterus" symptom, "Douglas Cry" symptom. Treatment.
6. Antenatal period. Stages of antenatal period: germinative, implantation period, embryonic and fetal.
7. Normal development of the human fetus.
8. Congenital malformations of the fetus. Definitions, diagnosing congenital anomalies.
9. Main types of malformations, causes and risk factors, diagnostic methods, prevention.

Recommended reading for the lesson 4:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009.
4. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
5. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
6. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 6

1. Variants of the structure of the pelvis:
 - Wide pelvis: anatomically wide pelvis, clinically wide pelvis.
 - Narrow pelvis: anatomically narrow pelvis, clinically narrow pelvis.
 - Transversely narrowed pelvis
 - General uniformly narrowed pelvis
 - Flat pelvis
 - Flat rachitic pelvis.

2. Narrow pelvis and its varieties. Birth management.

3. C-section. Indications for caesarean section.

Recommended reading for the lesson 6:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 7

1. Management of childbirth with anomalies of insertion of the fetal head.
2. Incorrect position of the fetus. Transverse, oblique position of the fetus. Birth management.
3. Causes of the transverse and oblique position of the fetus. Diagnosis (external obstetric examination).
4. The course and management of childbirth. C-section.
5. Pathology of the localization of the placenta.
6. Placenta previa. Variants of placenta previa: central, lateral and marginal. Etiology and predisposing factors. Clinical picture and diagnosis.
8. Management of pregnancy and childbirth with complete placenta previa and partial placenta previa.

Recommended reading for the lesson 7:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.

3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 8

1. Anomalies of labor activity.
2. Types: pathological preliminary period; primary weakness of labor activity (primary hypotonic dysfunction of the uterus); secondary weakness of labor activity (secondary hypotonic dysfunction of the uterus); excessively strong labor activity (hyperactivity of the uterus); hypertensive dysfunction of the uterus: discoordination of labor; tetanus of the uterus. Reasons. Risk factors. Diagnostics. Treatment.
3. Weakness and discoordination of labor. Complications of childbirth. Reasons. Diagnostics.
4. The course of childbirth. Partogram with weakness and discoordination of labor activity. Treatment. Complications of childbirth.
5. Major complications of childbirth. Common complications during labor and delivery.
6. Perineal tears, excessive bleeding. Reasons. Risk factors. Diagnostics. Treatment.
7. Obstetric traumatism of mother and newborn. Reasons. Risk factors. Diagnostics. Treatment.
8. Pathology of the neonatal period – diagnostics, differential diagnostics, principles of treatment.
9. Abnormal heart rate of the baby, perinatal asphyxia, shoulder dystocia. Reasons. Risk factors. Diagnostics. Treatment.

Recommended reading for the lesson 8:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 10.

1. Normal maternal physiologic changes of the postpartum period.
2. The components of normal postpartum care, the risk factors for postpartum infection, diagnosis and management of postpartum infection.
3. Physiology and pathology of the postpartum period - diagnosis, differential diagnosis, principles of treatment, prevention.
4. Postpartum hemorrhage. Reasons. Risk factors. Diagnostics. Treatment. Preventing postpartum complications.

Recommended reading for the lesson 10:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 11.

1. Basic obstetric procedures for the management and counseling of pregnant women.
2. Anatomical and physiological features of the newborn and organization of the work of newborn's department and ward.
3. Pathology of the neonatal period (postnatal period).
4. Toxic-septic diseases and sepsis of newborns.
5. Hemorrhagic and hemolytic syndromes of newborns.
6. Methods of resuscitation and intensive care of newborns.

Recommended reading for the lesson 11:

1. Baker Ph.N. Obstetrics by Ten Teachers 18 ed. 2006. Elsevier.
2. Turdieva A., Turdiev A. Intraduction to Obstetrics. Textbook for Foreign Student. 2015. IHSM.
3. Hakker N.F., Moore J.G Essentials of Obstetrics and Gynecology 4 ed. 2004. Elsevier.

Key questions covered in lesson 13.

1. Infectious and non-infectious inflammatory diseases of the female genital organs.
2. Etiology, pathogenesis of infectious and inflammatory diseases, symptoms in diseases caused by specific and non-specific microbes.
3. Endoscopic diagnostic methods.

Recommended reading for the lesson 13:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009

Key questions covered in lesson 14.

1. Neuroendocrine syndromes. Pathology, classification, and grading of neuroendocrine syndromes.
2. Types of menstrual disorders dysfunctional uterine bleeding and hypermenstrual syndrome.
3. Anomalies in the position of the female genital organs.

Recommended reading for the lesson 14:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009

Key questions covered in lesson 15.

1. Endometrioid heterotopias. Endometriosis: Genital and extragenital. Definitions, etiology, diagnosis and risk factors.
2. Management and therapy of endometrioiz.

Recommended reading for the lesson 15:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009

Key questions covered in lesson 16.

1. Precancerous and neoplastic diseases of the genital organs.
2. Classification, causes and symptoms, diagnosis and tests, management and treatment.
3. Plastic surgery in gynecology.
4. Trophoblastic diseases in obstetrics and gynecology. Definitions, etiology, diagnosis and risk factors.
5. Cysts of the genital organs. Different types of vaginal cysts, causes and symptoms, diagnosis and tests, management and treatment.
6. Myoma of the uterus, classification, causes and symptoms, diagnosis and tests, management and treatment.
7. Endometriosis, causes and symptoms, diagnosis and tests, management and treatment.
8. Endoscopic methods.

Recommended reading for the lesson 16:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009

Key questions covered in lesson 18.

1. Anatomical and physiological features of childhood and puberty.
2. Violations of the development of the reproductive system. Precocious sexual development. Lack of sexual development.
3. Premature sexual development:
 - Isosexual type (according to the female type): cerebral, constitutional and ovarian forms. Clinic, diagnosis and treatment.
 - Heterosexual type (male type). Clinic, diagnosis and treatment.
4. Delayed sexual development: cerebral shape, constitutional form, ovarian form
5. Lack of sexual development: typical form (Shereshevsky–Turner syndrome), pure form, mixed form.
6. Malformations of the genital organs.
 - Obstruction of the vagina and cervix (hymen atresia, vaginal atresia, vaginal aplasia (upper section, upper and middle sections, middle section, middle and lower sections and total), cervical atresia, cervical aplasia.
 - Doubling of the uterus and vagina: doubling of the uterus and vagina, doubling of the uterus and vagina with partial aplasia of one vagina, bicornuate uterus, uterus with an additional closed functioning horn, saddle uterus, and uterus with a septum.
 - Aplasia of the uterus and vagina: Rokitansky-Küster-Mayer syndrome.
7. Juvenile bleeding. Etiology, pathogenesis. Clinic, diagnostics and differential diagnostics. Features of treatment.
8. Inflammatory diseases of the genital organs in girls. Classification, causes and symptoms, diagnosis, management and treatment.
9. Genital trauma. Questions of hygiene and sexual education.
10. Contraception in adolescents.
11. Pregnancy and childbirth in adolescents.

Recommended reading for the lesson 18:

1. Konar H. D.C., Dutta S. 2018. J.P. Brothers. Gynaecology. 9th ed.
2. Radubidri V.G., Daftary S.N., Snaw S. Textbook of Gynaecology. Howkins and Bourne 15 th. ed. 2011. Elsevier.
3. Konar H. D.C. DuttaS. Gynaecology. J P Brothers. 5th ed. 2009

Methodological instructions for the implementation of independent work on the discipline

Individual and group tasks for Unit 1 - Pathology of pregnancy

Tasks for independent work of the student:

1. To prepare a summary of prevention and treatment gestosis.
2. To prepare a summary of intrauterine infections. Diagnosis, treatment, prevention.
3. To prepare the schema: Immunological incompatibility between maternal and fetal blood (Rhesus conflict, incompatibility of ABO et al. factors).
4. To prepare a summary of abortion in the early and later stages.
5. To prepare a summary of intrauterine fetus development delay, methods of prevention and therapy.
6. To prepare a summary of congenital fetal malformations
7. To prepare diagnostic criteria of miscarriage and postmature pregnancy.
8. To prepare a summary of ectopic pregnancy.

Individual and group tasks for Unit 2 - Pathological obstetrics (pathology of childbirth)

Tasks for independent work of the student:

1. To prepare a summary of variants of the constitution of the pelvis.
2. To prepare a summary of abnormal position of the fetus [malpresentation].
3. To prepare a summary of pathology of placental localization. Placental presentation.
4. To prepare a summary of operative [obstetric] delivery.
5. To prepare the short case history of anomaly of labor activity.
6. To prepare a summary of the early and later post-partum hemorrhage. Uterine bleeding. Pathological syndromes and complications.
7. To prepare diagnostic criteria of hypocoagulatory syndrome and DIC-syndrome.
8. To prepare the short case history of the newborn with respiratory distress syndrome.
9. To prepare a summary of the asphyxia of the newborn, respiratory distress syndrome. Diagnosis, treatment, prevention.

Individual and group tasks for Unit 3 - Pathology of the postpartum period

Tasks for independent work of the student:

1. To prepare a summary of variants of post-partum hemorrhage. Pathological syndromes and complications. Conservative and surgical treatment.
2. To prepare the schema: The classification of obstetric operations. Indications, contraindications, anesthetic management.
3. To prepare a summary of late post-partum haemorrhage.
4. To prepare a summary of operations in the isthmo-cervical insufficiency and embryotomy.
5. To prepare a summary of extirpation of uterus.
6. To prepare the short case history of postpartum endomyometritis,
7. To prepare a summary of breast diseases. To prepare diagnostic criteria of hypocoagulatory syndrome and DIC-syndrome.
8. To prepare the short case history of the newborn with toxic-septic diseases or umbilical sepsis.
9. To prepare a summary of the asphyxia of hemorrhagic and hemolytic syndromes in a newborn.

Individual and group tasks for Unit 4 –Gynecology

Tasks for independent work of the student:

1. To prepare a summary of noncommunicable inflammatory diseases of the female genital organs.
2. To prepare a summary on the etiology, pathogenesis, manifestations, diagnosis and treatment of STDs.
3. To prepare the brief case history with an inflammatory disease of the female genital organs.
4. To prepare a summary of the structure and the options of neuro-endocrine syndromes in obstetrics.
5. To prepare the schema: classification of precancerous and malignant diseases of the female genital organs.
6. To prepare a brief medical history with myoma (leiomyoma) of the uterus. Conservative and surgical treatment.
7. To prepare a summary on the etiology, pathogenesis, clinic, diagnosis and treatment of endometriosis.
8. To prepare a summary of endometrial and ovarian cancer. Classification
9. To prepare the short case history of the newborn with Dishormonal breast diseases.
10. To prepare a summary of extirpation of uterus.
11. To prepare a summary of emergency, palliative care and plastic surgery in Gynecology.
12. To prepare a summary of endoscopic techniques of diagnosis and treatment in Gynecology

Individual and group tasks for Unit 5 -Gynecology of children and adolescents

Tasks for independent work of the student:

1. To prepare a summary of disorders of pubertal development in childhood and puberty. Clinical picture, diagnosis, treatment.
2. To prepare a summary for the mezonephritic and para mezonephritic channels. Muller's inhibitory enzyme. Sexual primordium. Malformations.
3. To prepare a summary of minor bleeding. Clinical picture, diagnosis, treatment.

4. To prepare the schema. Change the hormonal regulation of the teenage girl in pregnancy (block CT-hormone).
5. To prepare a brief history of illness in a girl with vulvitis/vulvovaginitis.
6. To prepare a summary on methods of contraception.
7. To prepare a coherent plan for taking care of the sexual organs in girls from birth to puberty (for parents).
8. To prepare a summary on the using of drugs mifepristone and misoprostol.

Informational resources:

1. https://www.youtube.com/watch?v=ex_UYLnCPeY
2. https://www.youtube.com/watch?v=eKuO_526YCc
3. https://www.youtube.com/watch?v=z_Spct66Nhw
4. <https://www.youtube.com/watch?v=PYEzAdoy8c>
5. <https://www.youtube.com/watch?v=ZvmnGeuKp-E>
6. https://www.youtube.com/watch?v=ePgNGE_-Mo8
7. <https://www.youtube.com/watch?v=ENLq5GJcEGA>
8. <https://www.youtube.com/watch?v=XuBZ6yjscFQ>
9. <https://www.youtube.com/watch?v=LyXw6KJp2RI>
10. <https://www.youtube.com/watch?v=Ocf0xvR4VIE>
11. <https://www.youtube.com/watch?v=cHh-Ei73iMk>
12. <https://www.youtube.com/watch?v=OoD8BllXUfA>