

SYLLABUS
Obstetrics and Gynecology
2025-2026 academic year
for students of medical faculty
4 course 8 semester, groups

8 semester: 4 credits (120 h, including auditorial – 72 h, independent work – 48 h)

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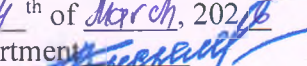
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K Clinic, Bishkek, Chyngyz Aytmatov avenue 73/1
City Perinatal Center, Suerkulov street 1a
National Center for Maternal and Child Health, Togolok Moldo street 1a
Amanat clinic, Bishkek, Turusbekov street 88/1
Clinical Simulation Center, Bishkek, Lev Tolstoy street 17v

The Syllabus is considered
at the meeting of the department of Obstetrics and Gynecology
Protocol № 8 dated 24th of March, 2025
Head of the department 

8 semester Course Objective:

The purpose of the study discipline "**Comprehensive Obstetrics & Gynecology: From Prevention to Surgical Care**" is to equip students with essential knowledge and practical skills in the field of obstetrics and gynecology. The course covers principles of diagnosis, treatment, prevention, and emergency care during pregnancy, childbirth, and the postpartum period. Special emphasis is placed on national health programs, prenatal diagnostics, maternal infections, obstetric surgeries, and professional communication in clinical practice.

Knowledge

After completing this course, the student should be able to:

- Explain the principles and objectives of national maternal health programs, including JSY, JSSK, SUMAN, and Anemia Mukht Bharat.
- Understand the importance and indications for vaccination during pregnancy.
- Describe the screening, risk factors, and management strategies for HIV in pregnancy.
- Explain the legal and ethical aspects of the **Pre-Conception & Prenatal Diagnostic Techniques (PC & PNDT) Act** and its amendments.
- Identify the causes, clinical features, and management principles of **genital injuries and fistulae**.
- Describe the examination, differential diagnosis, and treatment of **suprapubic lumps and genital ulcers**.
- Apply principles of **infection control and universal precautions** for preventing **HIV and hepatitis transmission** in clinical settings.
- Understand the indications, techniques, and complications of **common obstetric and gynaecological surgical procedures**, including caesarean section, laparoscopy, hysteroscopy, and MTP.
- Discuss the organization of **antenatal, postnatal, and family welfare clinics** and their role in public health.

Skills

The student should be able to:

- Conduct **clinical assessment and differential diagnosis** of common obstetric and gynaecological conditions.
- Demonstrate effective **interpersonal and communication skills** for counseling patients and their families about diagnosis, treatment, and prognosis.
- Write clear and structured **discharge summaries and referral notes** with all relevant clinical details.
- Adhere to **universal infection control precautions**, ensuring self-protection and patient safety.
- Assist in and observe various **surgical procedures**, including:
 - Caesarean section
 - Laparotomy and hysterectomy
 - Dilatation & curettage (D&C), endometrial aspiration, and curettage (EA-ECC)
 - Forceps application, vacuum-assisted, and breech delivery

- First-trimester medical termination of pregnancy (MTP) and evacuation of incomplete abortion
- Laparoscopic sterilization procedures
- Assess fetal well-being using appropriate **diagnostic and imaging techniques**.
- Implement standard management protocols for **obstetric emergencies**, such as postpartum hemorrhage, hypertensive disorders, and fetal distress.
- Issue appropriate **medical certificates** for various patient needs.

Attitude

- Demonstrate **clinical reasoning** in managing normal and high-risk pregnancies, labor, and postpartum conditions.
- Uphold **evidence-based practices** when selecting diagnostic and therapeutic approaches.
- Show proficiency in performing **basic obstetric procedures** on simulators and models.
- Maintain strict adherence to **aseptic and antiseptic measures** in clinical and surgical obstetric practice.
- Exhibit **confidence and accuracy** in managing **obstetric emergencies**, ensuring maternal and fetal safety.
- Promote a **preventive approach** to maternal and fetal health by advocating for **healthy lifestyle practices and disease prevention strategies**.

Pre-requisites

Anatomy (macro-microanatomy)

Normal physiology

Biochemistry

Reproductive system

Post-requisites

- Polyclinical obstetrics.

- Family medicine

THEMATIC PLAN OF LECTURES for 8 semester

№	Unit	Theme of lecture	Hours
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7	Women's reproductive health	L 1: Medical termination of pregnancy. OG20.1; OG20.2; OG20.3 Contraception. Methods, complications, counseling, family planning, reproductive health. OG21.1; OG21.2;	2
		L 2: Abnormal uterine bleeding OG24.1. Endometrial hyperplasia, differential diagnosis, modern treatment methods. Menopause and postmenopausal bleeding OG 32.1, OG 32.	2
		L 3: Normal and pathological puberty. Disorders of sexual development, precocious and delayed puberty, hormonal regulation. OG23.1, OG23.2, OG23.3	2
8	Functional disorders in gynecology	L 4: Sexually Transmitted Infections (STIs) OG27.3. Clinical presentation, diagnosis, treatment. STIs OG27.1, genital tuberculosis OG27.2, abnormal discharge, bacterial vaginosis, and cervicitis OG22.1, OG22.2	2
		L 5: Amenorrhea OG25.1 Infertility. Endocrine disorders, diagnostic algorithms, assisted reproductive technologies OG28.1, OG28.2, OG28.3, OG28.4.	2
9	Pathology of the female reproductive system	L 6 Uterine fibroids OG29.1. Endometriosis and adenomyosis OG34.6. PCOS and hirsutism OG 30.1 – OG 30.2. Genital prolapse OG 31., Menopause OG 32.1, OG 32.2. Endocrine and metabolic disorders, climacteric syndrome, hormone therapy.	2
		L 7: Benign, precancerous, and malignant lesions of the cervix. Screening, HPV, cancer surveillance, treatment principles. OG33.1–OG 33.5. Benign and malignant diseases of the uterus and ovaries OG34.1–OG 34.3.	2
		L 8: Genital prolapse OG 31.1, Surgical gynecology OG 34.4, OG 34.5 Differential diagnosis and management of gynecological pathologies. Integration of knowledge, clinical reasoning, patient management strategies.	2
Total:			16

THEMATIC PLAN OF PRACTICAL LESSONS for 8 semester

Nº	UNIT	Theme of practical class	Hours
7	Women's reproductive health	1: Medical termination of pregnancy. OG20.1; OG20.2; OG20.3. Contraception. Methods, complications,	2

		counseling, family planning, reproductive health. OG21.1; OG21.2	
		2: Abnormal uterine bleeding. OG24.1. Endometrial hyperplasia, differential diagnosis, modern treatment methods. Menopause and postmenopausal bleeding OG 32.1, OG 32.	4
		3: Normal and pathological puberty. Developmental assessment, hormonal testing. OG23.1, OG23.2, OG23.3	4
		4. Control unit 7	2
8	Functional disorders in gynecology	5: Amenorrhea. Diagnostic algorithms, hormonal profile. OG25.1	4
		6: Genital tract injuries. Emergency care, management strategies. Anogenital fistulas. OG26.1, OG26.2	4
		7: Sexually Transmitted Infections (STIs) OG27.3. Clinical presentation, diagnosis, treatment. STIs OG27.1, genital tuberculosis OG27.2, abnormal discharge, bacterial vaginosis, and cervicitis OG22.1, OG22.2	4
		8: Infertility. IVF. ART methods. Diagnosis, patient management. OG28.1–OG28.4	2
		9: Control unit 8	2
9	Pathology of the female reproductive system	10: Uterine fibroids. Modern diagnostic and treatment methods. OG29.1 Endometriosis and adenomyosis OG34.6.	4
		11: PCOS and hirsutism. Metabolic disorders, treatment. OG 30.1 – OG 30.2	2
		12: Benign, precancerous, and malignant lesions of the cervix. Screening, HPV, cancer surveillance, treatment principles. OG33.1 - OG 33.5. Benign and malignant diseases of the uterus and ovaries OG34.1 - OG 34.3.	4
		13: Genital organ prolapse OG 31.1	4
		14: Surgical gynecology OG 34.4, OG 34.5 Principles of preparation, techniques, and procedures for laparotomy and laparoscopic gynecological surgeries.	4
		15: Practical skills training in the simulation center: Gynecological examination OG 35.1, PAP smear OG 35.15, IUD insertion OG 35.18, bladder catheterization OG 35.20, cervical biopsy OG 36.3	4
		16: Practical skills training in the simulation center: Laparoscopic surgeries – cystectomy, hysterectomy, RFA OG 37.7, OG 37.4	4
		17: Control unit 9	2
	Total:		56

THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS 8 semester

Unit №	Theme of independent work	Hours
7	<ul style="list-style-type: none"> • Medical termination of pregnancy — etiology, indications, methods. • Contraception — modern methods, effectiveness, side effects. • Vaginal discharge — differential diagnosis, approaches to treatment. • Normal and abnormal puberty — pathology of puberty. • Abnormal uterine bleeding — causes, diagnosis, treatment algorithms. 	16
8	<ul style="list-style-type: none"> • Amenorrhea — types, causes, management approaches. • Infertility — etiology, examination algorithms, modern treatment methods. • Uterine fibroids — diagnosis, treatment, modern approaches. • PCOS and hirsutism — etiology, diagnosis, management. • Uterine prolapse — clinical presentation, diagnosis, corrective methods. 	16
9	<ul style="list-style-type: none"> • Menopause — clinical features, diagnosis, correction. • Benign, pre-malignant and malignant lesions of cervix — diagnosis, prevention, treatment. • Benign and malignant diseases of uterus and ovaries — approaches to diagnosis and treatment. • Differential diagnosis and management of common gynecological conditions — clinical scenarios. • Organization of patient counselling and medical documentation. 	16
	Total:	48

Recommended reading for the discipline:

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.

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	<p>The student does not complete the practical task (diagnosis, examination, or treatment algorithm). Demonstrates minimal or fragmented theoretical knowledge on topics related to pregnancy, childbirth, and related pathologies. Makes significant logical and stylistic errors in answering questions and lacks familiarity with scientific terminology. Does not know the basic principles of prenatal care, physiological changes in pregnancy, or common obstetric complications. Is passive in communication with the patient and fails to demonstrate empathy or</p>	<p>The student partially completes the practical task (diagnosis, examination, or treatment algorithm) but with notable inaccuracies. Shows limited but sufficient knowledge of basic obstetric and gynecological pathology, including pregnancy-related conditions. Has a basic understanding of diagnostic tools and is able to use them in practice under the instructor's guidance. Understands the main principles of prenatal care and common approaches to treating obstetric and gynecological complications. Uses some scientific terminology but demonstrates gaps in fluency and clarity when answering questions. Communicates with patients, although with occasional passivity or lack of confidence.</p>	<p>The student completes the practical task (diagnosis, examination, or treatment algorithm) with minor inaccuracies. Demonstrates solid knowledge of obstetric and gynecological pathology, including mechanisms of labor and approaches to managing complications. Is proficient in using basic diagnostic tools and techniques in obstetrics and gynecology. Knows the standard treatment protocols for common pregnancy-related conditions and gynecological disorders. Has good command of scientific terminology, answers questions clearly, and draws reasonable conclusions with minimal errors. Communicates effectively with patients, showing empathy and professionalism.</p>	<p>The student performs the practical task (diagnosis, examination, or treatment algorithm) accurately and independently. Demonstrates comprehensive knowledge of pregnancy, childbirth, and related pathologies, including advanced understanding of diagnostic and therapeutic approaches. Is highly proficient in using diagnostic and treatment tools, adapting them effectively in clinical practice. Shows deep understanding of evidence-based guidelines for prenatal care, labor management, and postpartum care. Uses scientific terminology fluently and provides well-structured, logical answers to questions, drawing insightful conclusions. Communicates confidently and compassionately with patients, fostering trust and understanding.</p>

	understanding of patient concerns.			
Independent work - 20	0-11	12-15	16-17	18-20
Interval description	The student refuses to answer questions or demonstrates a complete lack of knowledge of the course material. Does not attempt to solve clinical problems or perform any independent work. Fails to demonstrate understanding of basic concepts and lacks the ability to apply even elementary knowledge or skills.	The student has limited knowledge of the course material and struggles with applying it in practice. Performs clinical examination techniques incorrectly or incompletely. Can apply knowledge only in familiar, typical situations and encounters significant difficulty when minor changes are introduced. Solves only standard clinical problems with assistance and has limited special skills. Demonstrates poor communication skills and struggles to engage effectively in dialogue.	The student demonstrates a general understanding of the curriculum material and applies it confidently in familiar situations. Provides answers with 2-3 minor deficiencies but is able to address additional questions on core topics. Struggles with clinical problem-solving in unfamiliar situations but can apply knowledge and clinical skills to standard scenarios. Completes practical tasks, case studies, or reports with minor errors. Shows developing communication skills and the ability to engage in effective dialogue, though confidence is not fully established.	The student provides accurate definitions of core concepts and demonstrates a deep understanding of the material. Justifies their judgments with clear reasoning and applies knowledge effectively in practice, including non-standard situations. Gives examples beyond the textbook, showcasing independent thinking and problem-solving abilities. Presents material in a logical, coherent, and grammatically correct manner, adhering to the norms of professional communication. Solves clinical problems confidently and accurately, demonstrating mastery of theoretical knowledge and practical skills. Engages in effective and professional dialogue, fostering clear communication and collaboration.
Control work (module) - 40	0-23	24-30	31-35	36-40
Interval description	Demonstrates sketchy and unsystematic knowledge of standard algorithms for treating the most common diseases. Attempts to apply these algorithms in typical clinical situations but	Reproduces standard algorithms for the treatment of common diseases but with considerable difficulty. Attempts to solve typical clinical problems using established patterns and standard treatment algorithms but makes frequent	Reproduces standard algorithms for treating the most common diseases and understands key points, but is occasionally inaccurate when analyzing these algorithms from the perspective of evidence-based medicine. Solves typical clinical problems independently using standard treatment algorithms but makes some inaccuracies in justifying	Clearly characterizes the most common diseases and confidently reproduces, understands, and analyzes their treatment algorithms from an evidence-based medicine perspective. Solves typical clinical problems independently by

	makes gross errors. Lacks the ability to reproduce or correct standard treatment algorithms effectively.	mistakes. Demonstrates limited ability to correct errors in applied algorithms, requiring significant guidance.	actions based on evidence-based principles. Corrects errors in applied algorithms when necessary but may lack precision in execution and reasoning.	applying standard treatment algorithms, providing clear and accurate justifications based on evidence-based principles. Demonstrates the ability to adapt and correct standard treatment algorithms when necessary, consistently providing well-founded and logical reasoning.
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Conduct Policy

To maintain a productive and professional learning environment, students are expected to adhere to the following guidelines:

- **Punctuality and Task Completion:** Students must arrive on time for classes and complete assigned tasks within deadlines.
- **Mandatory Attendance:** Attendance for all classes is required.
- **Professional Appearance:** Students must attend classes wearing a clean medical uniform.
- **Classroom Etiquette:** Conversations on cell phones are prohibited during class.
- **Active Participation:** Students are encouraged to actively engage in the learning process and contribute constructively to discussions.
- **Timely Submission of Homework:** All homework assignments must be submitted by the specified deadlines.
- **Compliance with Teacher Instructions:** Students must attend additional academic sessions if requested by the teacher.

Penalties:

Violations of the Conduct Policy may result in a deduction of 1–5 points from the total grade for the discipline.

Academic Ethics Policy

To foster integrity and respect in the academic environment, students are expected to follow these principles:

- **Tolerance and Respect:** Respect the opinions of others and engage in discussions with tolerance and understanding.
- **Constructive Communication:** Express objections in a respectful and constructive manner.
- **Supportive Feedback:** Provide and accept feedback constructively in all classes.
- **Prohibition of Plagiarism:** Plagiarism in any form is unacceptable, including:
 - Failing to reference printed or electronic materials, quotes, ideas, or works from other authors or students.

- **No Cheating:** Prompting, cheating, or any form of dishonest conduct during tests, exams, or classes is prohibited. This includes:
 - Taking an exam for another student.
 - Unauthorized copying of materials or answers.

Penalties:

Violations of the Academic Ethics Policy may result in a deduction of 1–5 points from the total grade for the discipline.

Guidelines for Lessons in the Discipline

Lesson 1: Termination of Pregnancy. Contraception

Key Topics

Induced and Spontaneous Abortion

- Definition and classification.
- Etiology, pathophysiology, and complications.

Contraception and Family Planning

- Hormonal, barrier, and intrauterine methods.
- Emergency contraception and patient counseling.

Clinical Management

- Medical and surgical termination of pregnancy.
- Ethical and legal aspects of reproductive health.

Recommended Reading

Kenny L.C., McCarthy F.P. *Obstetrics by Ten Teachers*, 21st edition, 2024.

Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 10th edition, 2023.

Berek J.S. *Berek & Novak's Gynecology*, 16th edition, 2020.

Lesson 2: Abnormal Uterine Bleeding

Key Topics

Definition and Classification

- PALM–COEIN system: structural vs. non-structural causes.
- Epidemiology and risk factors.

Clinical Evaluation

- History taking, physical examination, laboratory tests, and imaging.

Management Principles

- o Medical management: hormonal and non-hormonal therapies.
- o Surgical treatment: hysteroscopy, endometrial ablation, hysterectomy.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 16th edition, 2020.
Hoffman B.L. *Williams Gynecology*, 4th edition, 2020.
Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 3: Normal and Pathological Puberty

Key Topics

Normal Sexual Maturation

- o Physiology of puberty and hormonal regulation.
- o Stages of sexual development in girls.

Disorders of Puberty

- o Precocious and delayed puberty.
- o Etiology, clinical evaluation, and diagnostic work-up.

Management Principles

- o Hormonal therapy and long-term follow-up.
- o Multidisciplinary approach and patient counseling.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.
Hoffman B.L. *Williams Gynecology*, 2020.
Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 5: Amenorrhea

Key Topics

Definition and Classification

- o Primary vs. secondary amenorrhea.
- o Prevalence and epidemiology.

Etiology and Pathophysiology

- o Hypothalamic, pituitary, ovarian, and uterine causes.

Clinical Evaluation

- o History, physical examination, laboratory and imaging studies.

Management Principles

- o Hormonal therapy and treatment of underlying causes.
- o Individualized patient management and follow-up.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.

Hoffman B.L. *Williams Gynecology*, 2020.

Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 6: Genital Tract Injuries

Key Topics

Etiology and Classification

o Obstetric trauma, sexual violence, accidental injuries.

Clinical Presentation and Diagnosis

o Symptoms, signs, and imaging evaluation.

Management Principles

o Emergency care, surgical repair, and prevention of complications.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.

Hoffman B.L. *Williams Gynecology*, 2020.

Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 7: Genital Infections

Key Topics

Etiology and Classification

o Bacterial, viral, and fungal infections.

o Sexually transmitted infections (STIs).

Clinical Evaluation

o History, physical examination, laboratory diagnostics.

Management Principles

o Antibiotic and antiviral therapy.

o Preventive strategies and patient counseling.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.

WHO Guidelines on STIs, 2021.

Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 8: Infertility. IVF. ART Methods

Key Topics

Definition and Epidemiology

- o Male and female infertility factors.
- o Assessment and diagnostic protocols.

Assisted Reproductive Technologies

- o IVF, ICSI, ovulation induction.
- o Indications, contraindications, and success rates.

Management Principles

- o Counseling, monitoring, ethical and legal aspects.
- o Multidisciplinary approach.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.

Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Kenny L.C., McCarthy F.P. *Obstetrics by Ten Teachers*, 21st edition, 2024.

Lesson 10: Uterine Fibroids

Key Topics

Definition and Classification

- o Types: submucosal, intramural, subserosal.

Etiology and Pathophysiology

- o Hormonal and genetic factors.

Clinical Evaluation

- o Imaging: ultrasound, MRI.
- o Laboratory and clinical assessment.

Management Principles

- o Medical therapy, surgical treatment, patient counseling.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.

Hoffman B.L. *Williams Gynecology*, 2020.

Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 11: PCOS, Hirsutism. Cervical Lesions (Benign, CIN, Malignant)

Key Topics

Polycystic Ovary Syndrome (PCOS)

- o Etiology, pathogenesis, clinical manifestations.
- o Hirsutism and metabolic disorders.

Cervical Pathologies

- o Benign, precancerous (CIN), and malignant lesions.
- o Screening, diagnosis, and management.

Management Principles

- o Hormonal therapy for PCOS.
- o Surgical and conservative approaches for cervical lesions.

Recommended Reading

- Berek J.S. *Berek & Novak's Gynecology*, 2020.
WHO Guidelines on Cervical Cancer Screening, 2021.
Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 12: Benign and Malignant Diseases of the Uterus and Ovaries

Key Topics

Benign Tumors

- o Leiomyoma, adenomyosis, ovarian cysts.

Malignant Tumors

- o Endometrial cancer, ovarian cancer.

Clinical Evaluation

- o Imaging, laboratory, and histopathology.

Management Principles

- o Surgical and oncological approaches.
- o Follow-up and patient counseling.

Recommended Reading

- Berek J.S. *Berek & Novak's Gynecology*, 2020.
Hoffman B.L. *Williams Gynecology*, 2020.
Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 13: Basic Clinical Skills in Obstetrics and Gynecology

Key Topics

Patient Examination

- o History taking and physical examination.

Diagnostic Skills

- o Laboratory, imaging, and interpretation.

Communication and Emergency Care

- o Doctor–patient communication.
- o Management of obstetric and gynecologic emergencies.

Recommended Reading

Kenny L.C., McCarthy F.P. *Obstetrics by Ten Teachers*, 21st edition, 2024.
Oxford Handbook of Obstetrics and Gynaecology, 4th edition, 2019.
Konar H. *DC Dutta's Textbook of Obstetrics and Gynecology*, 2023.

Lesson 14: Organization of Care, Clinical Planning, and Basic Invasive Skills

Key Topics

Healthcare Organization

- o Structure of obstetric and gynecologic services.

Clinical Planning

- o Patient assessment and risk stratification.

Basic Invasive Procedures

- o Indications, techniques, and monitoring.

Recommended Reading

Kenny L.C., McCarthy F.P. *Obstetrics by Ten Teachers*, 21st edition, 2024.
Berek J.S. *Berek & Novak's Gynecology*, 2020.

Lesson 15: Surgical Interventions in Obstetrics and Gynecology

Key Topics

Classification of Procedures

- o Obstetric and gynecologic surgeries.

Clinical Observation

- o Preoperative and postoperative patient care.

Assistance in Surgery

- o Role of students and junior staff in operative management.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.
Hoffman B.L. *Williams Gynecology*, 2020.

Lesson 16: Laparoscopy and Hysteroscopy

Key Topics

Minimally Invasive Techniques

- o Laparoscopy: diagnostic and therapeutic applications.
- o Hysteroscopy: indications, procedures, and complications.

Clinical Evaluation and Documentation

o Patient selection, preparation, and medical documentation.

Management Principles

o Postoperative care and complication monitoring.

Recommended Reading

Berek J.S. *Berek & Novak's Gynecology*, 2020.

Hoffman B.L. *Williams Gynecology*, 2020.

Methodological instructions for the implementation of independent work on the discipline Individual and Group Tasks for Unit 7 – Women's Reproductive Health

Tasks for Independent Work of the Student:

1. Prepare a summary on contraception methods: hormonal, barrier, intrauterine, and emergency contraception.
2. Develop a report on induced and spontaneous abortion: etiology, complications, and prevention.
3. Prepare a summary on normal and pathological puberty: clinical features and hormonal regulation.
4. Create a case study illustrating fertility assessment and counseling in preconception care.
5. Prepare a summary on amenorrhea: classification, etiology, diagnosis, and management.
6. Develop a diagram illustrating menstrual cycle phases and hormonal regulation.
7. Prepare a report on genital tract injuries: diagnosis, management, and prevention.
8. Prepare a summary on genital infections: STIs, diagnosis, and evidence-based treatment.

Individual and Group Tasks for Unit 8 – Functional Disorders in Gynecology

Tasks for Independent Work of the Student:

1. Prepare a summary on infertility, IVF, and other ART methods: indications, contraindications, and outcomes.
2. Develop a case study on polycystic ovary syndrome (PCOS) and hirsutism: clinical assessment and treatment.
3. Prepare a report on abnormal uterine bleeding: PALM–COEIN classification, diagnostics, and management.
4. Create a short case history on amenorrhea due to functional or endocrine disorders.
5. Prepare a summary on cervical pathologies: benign, precancerous (CIN), and malignant lesions.
6. Develop a diagram illustrating hormonal dysregulation in functional gynecologic disorders.
7. Prepare a report on basic clinical skills in gynecology: patient examination, communication, and emergency care.

8. Prepare a summary on organization of care and clinical planning in gynecology.

Individual and Group Tasks for Unit 9 – Pathology of the Female Reproductive System

Tasks for Independent Work of the Student:

1. Prepare a summary on uterine fibroids: types, diagnosis, and management strategies.
2. Develop a case study on benign and malignant diseases of the uterus and ovaries.
3. Prepare a summary on surgical interventions in gynecology: indications, techniques, and perioperative management.
4. Create a diagram illustrating minimally invasive procedures: laparoscopy and hysteroscopy.
5. Prepare a report on postoperative care and complication prevention after gynecologic surgeries.
6. Prepare a summary on reproductive endocrinology disorders associated with pathology of the reproductive system.
7. Create a short case study illustrating ART procedures in patients with gynecologic pathology.
8. Prepare a summary on assessment of indications and proper medical documentation for gynecologic interventions.