

INTERNATIONAL HIGHER SCHOOL OF MEDICINE

Department of Obstetrics and Gynecology

SYLLABUS

Reproductive system (module «Youth»)

2024-2025 academic year

for students of medical faculty

2 course 4 semester, groups _____

4 credits (144 h, including auditorial 84 h, independent work – 60 h)

Lecturer: **Ryskeldieva Viktoria**
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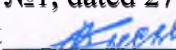
Venue: Zoom

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Venue: 1) Eiva clinic, Bishkek, residential area Yntymak st. Kyrman 38/1
2) Simulation center IHSM, Bishkek, Lev Tolstoi st. 114/1

The Syllabus is considered
at the meeting of the department of Obstetrics and Gynecology
Protocol №1, dated 27 th of August 2024
Head of the department  MD, PhD prof. Ryskeldieva V.T.

Course Objective: The goal of this curriculum consists of mastering the knowledge of anatomy and the basic functioning of the human reproductive system, as well as the principles of diagnosing the main pathological conditions that arise in adolescence and young adulthood, the skills of treating and preventing diseases that most often accompany a person at a young age.

After study of the discipline the student must:

Knowledge:

- Describe the anatomy, physiology and pathophysiology of the reproductive system, as well as the common conditions affecting it;
- Understand the principles of contraception and the various methods used, methods of medical abortion, sterilization and their complications;
- Name common gynecological diseases and describe the principles of their treatment

Be able to:

- Obtain an appropriate medical history and conduct a detailed clinical examination;
- Counsel couples on the use of the various contraceptive methods available and assist with insertion and removal of intrauterine devices;
- Perform gynecological examination, diagnosis and treatment of common gynecological problems.

Have skill

- to integrate clinical skills with other disciplines and provide coordination of a family welfare program for the national goal of population control.

Pre-requisites.

- Macro- and microanatomy
- Normal physiology
- Basic pharmacology
- Propedotherapy

Post-requisites.

- Pediatrics
- General surgery
- Public health
- Dermatovenereology
- Infectious diseases
- Psychiatry and addiction medicine
- Forensic Medicine
- Endocrinology
- Obstetrics and gynecology

THEMATIC PLAN OF LECTURES

№	Unit	Theme of lecture	Hours	Date
1	Basic science. Woman as a patient. Examination of the patient in obstetrics and gynecology.	L1: Some History about obstetrics and gynecology. Regional and topographic anatomy of the female genital organs.	2	
		L2: Physiology of female reproductive system	2	
		L3: Early Development of Embryo. Early fetal development. Placenta. Umbilical cord.	2	
		L4: Obstetric and gynecological examination	2	
2	Puberty and menstrual problems of young women.	L5: Female genital tract development and it's pathology. Pediatric point of view	2	
		L6: Female genital tract development.. Mullerian anomalies. Gynecologic point of view.		

		L7: Disorders of hormonal regulation of the female reproductive system.		
		L8: Amenorrhoea. Hirsutism. PCOS. Intersex. Hyperprolactinemia.	2	
		L9: Paediatric & Adolescent gynecology.	2	
3	Infertility. Pregnancy prevention and termination of pregnancy.	L10: Infertility.	2	
		L11: Contraception.	2	
		L12: Termination of pregnancy. Sexual violence.	2	
4	Benign conditions. Acute pelvic inflammatory diseases. Sexual problems for male and female.	L13: Common genital tract infections. Sexual problems of young patients.	2	
		L14: Benign conditions. Acute pelvic inflammatory diseases.	3	

THEMATIC PLAN OF PRACTICAL LESSONS

№	UNIT	Theme of practical class	Hours	Date
1	Basic science. Woman as a patient. Examination of the patient in obstetrics and gynecology.	1: Some History about obstetrics and gynecology. Principles for the provision of obstetric services.	2	
		2: Anatomy of female genital tract. Female urethra.	2	
		3: Female physiology. Menstrual cycle (ovarian and uterine cycle).	2	
		4: Female physiology. Menstrual cycle (ovarian and uterine cycle). Physiology of micturition.	2	
		5: Early Development of Embryo (first 4 weeks). Early fetal development. Placenta. Umbilical cord.	2	
		6: Pregnant woman. Woman as a gynecological patient - anamnesis, general external examination, palpation, auscultation of the abdomen.	2	
		7. Internal examination – examination of the external genitalia and urethra. Speculum and bimanual examination. Rectal examination	2	
		8: Test control	2	
2	Puberty and menstrual problems of young women.	9: Female genital system development Prepuberty and Puberty. Delayed and precocious puberty.	2	
		10: Bleeding in infancy. Mullerian anomalies. Pediatric point of view.	2	
		11. : Female genital tract development Delayed and precocious puberty. Mullerian anomalies.	2	

		Gynecologic point of view.		
		12: Disorders of hormonal regulation of the female reproductive system. The hypothalamic-pituitary-ovarian (HPO) axis disorders. Pathophysiology.	2	
		13: Amenorrhoea primary and secondary. Hirsutism.	2	
		14: Hermaphroditism PCOS. Hyperprolactinemia.		
		15: Paediatric & Adolescent gynaecology. Teenage pregnancy. PMS. Primary dysmenorrhoea. Sexual abuse	2	
		16: Test control	2	
3	Infertility. Pregnancy prevention and termination of pregnancy.	17: Infertility. (Primary and secondary). Anamnesis. Functional tests.	2	
		18: High reproductive technologies. Surrogacy.		
		19: Family planning services and programs, methods. Sterilization	2	
		20: Termination of pregnancy. Abortifacients drugs. Criminal abortion. Septic abortion. Sexual violence.	2	
		21: Test control	2	
4	Benign conditions. Acute pelvic inflammatory diseases. Sexual problems for male and female.	22. Common genital tract infections in young women. STD.	2	
		23: Common genital tract infections. Sexually transmitted infections. (continuation)	2	
		24: Genital Tuberculosis. Sexual problems for male and female.		
		26. Benign conditions of female reproductive system.	2	
		27. Test control	2	

THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS

Unit №	Theme of independent work	Hours	Date
1.	1. Prepare an essay on the history of the development of obstetrics and gynecology in India (abstract). 2. Topographic anatomy and ligamentous apparatus of the uterus (abstract). 3. Principles of organization of obstetric services in your country (abstract). 4. Sexual and reproductive rights of women in your country (abstract). 5. The first visit of a pregnant woman to you (abstract).	16	
2	1. Abstract of lectures of precocious puberty. 2. The best video about Embryology of Mullerian and Wolffian Ducts	12	

	3. Adolescent pregnancy and sexual abuse in your country (abstract). 4. Forms of Sexual Violence (abstract). 5. PCOS (pathophysiology and treatment).		
3	1. "Actuality of the problem of infertility and its prevalence in the world" 2. Intersex (abstract). 3. "Sheehan Syndrome (definition, causes, clinical manifestations, treatment)" (abstract). 4. "Asherman Syndrome (definition, causes, clinical manifestations, treatment)" (abstract). 5. Types of assisted reproductive technologies (presentation). 6. "Emergency contraception: types, conditions for use" (abstract). 7. The attitude of your country to egg donation and surrogate motherhood at the legislative level (presentation) 8. The attitude of your country to abortions (abstract). 9. Technique of surgical termination of pregnancy (presentation) 10. Female genital mutilation (state of the problem at the present stage)	24	
4	1. Fetishism (causes, symptoms, treatment) (abstract). 2. Sexually transmitted infections (chancroid, lymphogranuloma venereum, granuloma inguinale, molluscum contagiosum). 3. Counseling and Testing for RTIs/STIs – principles. 4. Diagnosis of HIV. 5. Human Papilloma Virus (HPV). 6. Ectoparasitic infections (Pediculosis pubis, scabies). 7. Gartner's duct cysts	8	

Recommended reading for the discipline:

1. Basic:

- Richa Saxena MBBS MD PG Diploma in Clinical Research Obstetrician and gynaecologist. TEXTBOOK FOR MRCOG-1 Basic Sciences in Obstetrics and Gynaecology. 2016. Jaypee Brothers Medical Publishers (P) Ltd 4838/24, Ansari Road, Daryaganj New Delhi 110 002, India;
- Rybalka A.N., Zabolotnov A.V., Kamilova I.K. et al. OBSTETRICS AND GYNAECOLOGY Textbook in 2 volumes. 2017. ООО «Эльиньо» г. Симферополь, бульвар Ленина, 5/7 295006, Российская Федерация, Республика Крым
- Sabaratnam Arulkumaran, David I. M. Farquharson, Ash Monga, Aris Papageorghiou, and Lesley Regan. Examination of the gynaecological patient. 2012. Oxford University Press. [doi:10.1093/med/9780199552214.003.0002](https://doi.org/10.1093/med/9780199552214.003.0002)
- Sabaratnam Arulkumaran, David I. M. Farquharson, Ash Monga, Aris T. Papageorghiou, and Lesley Regan. Examination of the obstetric patient. 2012. Oxford University Press. [doi:10.1093/med/9780199552214.003.0001](https://doi.org/10.1093/med/9780199552214.003.0001)
- Queensland Clinical Guidelines. *Translating evidence into best clinical practice*. Trauma in pregnancy. 2019. <https://www.health.qld.gov.au/qcg>
- National Guidelines. Prevention, Management and Control of Reproductive Tract Infections and Sexually Transmitted Infections. 2014. Government of India Ministry of Health & Family Welfare
- Elmar Peter Sakala, M.D., M.A., M.P.H., F.A.C.O.G. USMLE Step 2 CK Obstetrics & Gynecology. 2018. Published by Kaplan medical, Inc. 395 Hudson Street New York;
- DIANA HAMILTON-FAIRLEY MD, FRCOG Consultant Obstetrician and Gynaecologist Guy's and St Thomas's Hospital NHS Trust, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009. Blackwell Publishing, Inc., 350 Main Street, Malden, Massachusetts 02148-5020, USA Blackwell Publishing Ltd, 9600 Garsington Road, Oxford OX4 2DQ, UK Blackwell Publishing Asia Pty Ltd, 550 Swanston Street, Carlton, Victoria 3053, Australia;
- SAKSHI ARORA HANS. *Self Assessment & Review* Obstetrics Ninth Edition. 2016. Jaypee Brothers Medical Publishers (P) Ltd;
- Oxford Desk Reference: Obstetrics and Gynaecology <https://login.research4life.org/tacsgr1doi.org/10.1093/med/9780199552214.001.0001>
- Williams Obstetrics Study Guide, 24e edition. Robyn Horsager, MD, Scott W. Roberts, MD, Vanessa L. Rogers, MD, Patricia C. Santiago-Muñoz, MD, Kevin C. Worley, MD, Barbara L. Hoffman, MD 2015
- Geneva Foundation for Medical Education and Research. https://www.gfmer.ch/000_Homepage_En.htm
- HINARI <https://login.research4life.org/tacgw/login.cshtml>

2. Additional:

- Gibbs, Ronald S.; Karlan, Beth Y.; Haney, Arthur F.; Nygaard, Ingrid E. Title: Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008 Lippincott
- Canadian Institute for Health Information. *A Guide to Obstetrical Coding*. Ottawa, ON: CIHI; September 2022. <https://www.cihi.ca/sites/default/files/document/obstetrical-coding-guide-en.pdf>
- DC DUTTA. *Textbook of DC Dutta's OBSTETRICS including Perinatology and Contraception Eighth Edition*. 2015. Jaypee Brothers Medical Publishers (P) Ltd 4838/24, Ansari Road, Daryaganj New Delhi 110 002, India
- DC DUTTA. *DC DUTTS's Gynecology including Contraception*. 2013. Jaypee Brothers Medical Publishers LTD 4838/24, Ansari Road, Daryaganj , New Delhi, India.

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 - 20 points

independent work - 20 points

control score (final assessment of knowledge per unit) - 20 points

Maximum score – 60 (20+20+20)+ 40 (exam) = 100

Grading system for student's achievements

Grading criteria per discipline				
Maximum score	Intervals			
	«unsatisfactory»	«satisfactory»	«good»	«excellent»
Current control - 20	0-11	12-15	16-17	
Interval description	The student does not complete the practical task (diagnosis, examination and treatment algorithm); demonstrates partial theoretical knowledge on certain issues of obstetrics and gynecology; makes gross stylistic and logical errors in answering questions does not know scientific terminology; passivity in communication with the patient. <input type="checkbox"/>	The student does not complete the practical task (diagnosis, examination and treatment algorithm); shows insufficient knowledge of basic obstetric and gynecological pathology; significant linguistic and logical errors when presenting the answer to questions and in use of scientific terminology; poor knowledge of the tools of the academic discipline, incompetence in solving standard (typical) tasks; inability to navigate the basic theories, concepts and directions of obstetrics and gynecology; passivity in communication with the patient.	Partially completed the practical task (diagnosis, examination and treatment algorithm), made inaccuracies; demonstrated a sufficient amount of knowledge of basic obstetric and gynecological pathology; owns tools and can use them in practical activities under the guidance teacher; knows the basic instrumental research methods in obstetrics and gynecology; understands the basic approaches to the treatment of obstetric and gynecological pathology; uses certain scientific terms, satisfactorily presents answers to the questions posed, is able to draw conclusions without significant errors, is able to apply standard solutions in standard clinical situations; demonstrates	Performs a practical task (diagnosis, examination and treatment algorithm), allowing inaccuracies; demonstrated knowledge of basic obstetric and gynecological pathology; owns tools and can use them in practical activities; knows the capabilities of basic instrumental research methods in obstetrics and gynecology; understands the basic approaches to the treatment of obstetric and gynecological pathology; knows scientific terminology, presents answers to questions well, knows how to draw conclusions, apply standard solutions in standard clinical situations; demonstrates communication skills with patients.

			communication skills with patients.	
Independent work - 20	0-11	12-15	16-17	18-20
Interval description	The student refuses to answer or, when attempting to answer the question, demonstrates a complete lack of knowledge of the educational material. Not a single clinical problem has been solved, not a single independent work has been completed	Does not fully know the software training material. Incorrectly performs a number of clinical research techniques. Can apply his knowledge only in a typical familiar situation, and if the question changes slightly, he experiences difficulties. There are also difficulties in using special skills and abilities. Can only solve standard clinical problems and demonstrates poor communication skills.	The student generally has knowledge of the program material, operating it freely in a familiar situation. When answering, two or three shortcomings are allowed. The student confidently answers additional questions regarding the main provisions of the course being studied, but finds it difficult to solve clinical problems in an unfamiliar situation. Ability to apply knowledge and relevant clinical skills to solve routine problems. There are minor errors when preparing a report on a practical task, medical history or situational task. Not completely confident in communication skills, but demonstrates the ability to conduct effective dialogue	Gives the correct definition of basic concepts; demonstrates an understanding of the material, can justify their judgments, apply knowledge in practice, give the necessary examples not only from the textbook, but also compiled independently; presents the material consistently and correctly from the point of view of the norms of literary language.
Control work (module) - 20	0-11	12-15	16-17	18-20
Exam	0-23	24-30	31-35	36-40
Interval description	Has fragmentary, unsystematized knowledge of standard treatment algorithms for the most common diseases. Attempts to apply standard treatment algorithms for the most common diseases in typical clinical situations, making gross mistakes. Capable of reproducing standard treatment algorithms for the most common	Reproduces standard treatment algorithms for the most common diseases, making mistakes. Able to solve typical clinical problems according to an established pattern, using standard treatment algorithms, but makes some mistakes. Solves typical clinical problems according to an established pattern, using standard treatment algorithms, and also corrects them if necessary, but	Reproduces standard treatment algorithms for the most common diseases, understands key points, but allows for inaccuracies when analyzing algorithms from the standpoint of evidence-based medicine. Able to independently solve typical clinical problems using standard treatment algorithms, but admits inaccuracies when justifying his actions from the standpoint of evidence-based medicine.	Able to characterize the most common diseases, reproduce, understand and analyze algorithms for their treatment from the standpoint of evidence-based medicine. Able to independently solve typical clinical problems, using standard treatment algorithms, clearly justifying their actions from the standpoint of evidence-based medicine. Able to independently solve typical clinical

	diseases, but experiences significant difficulties when it is necessary to correct them.	makes mistakes.	Independently solves typical clinical problems, applying standard treatment algorithms in accordance with the principles of evidence-based medicine, corrects them if necessary, but allows for inaccuracies.	problems and carry out corrections of standard treatment algorithms when necessary, clearly justifying their actions from the standpoint of evidence-based medicine.
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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 1-10 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 1-10 points.

Guidelines for the lessons of the discipline

Key questions covered in lesson 1.

1. History of Obstetrics and gynecology
2. Female anatomy. Internal genital organs: uterus, fallopian tubes, ovaries, vagina, ligaments, arteries and veins of female genital organs.
2. External female genital organs: mons pubis, labia majora, labia minora, urethra, clitoris, hymen, perineum, anus.

Recommended reading for the lesson:

1. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers
2. A.N., Zabolotnov et al. Obstetric and gynaecology. Textbook, 2017, Elion, Russia

Key questions covered in lesson 2.

1. Female pelvis: bones (hip bones, sacrum, coccyx)
2. Female pelvic cavity.
3. Female pelvis muscles.

Recommended reading for the lesson:

1. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers
2. A.N., Zabolotnov et al. Obstetric and gynaecology. Textbook, 2017, Elion, Russia
3. Elmar Peter Sakala, M.D., USMLE Step 2, Lecture Notes, 2018, Published by Kaplan medical, Inc. 395 Hudson Street New York

Key questions covered in lesson 3.

1. Female physiology. Menstrual cycle.
2. Ovarian and uterine cycle.
2. Regulation of menstrual cycle. The hypothalamic-pituitary-ovarian (HPO) axis.
3. Positive and negative feedback.

Recommended reading for the lesson:

1. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008
2. Elmar Peter Sakala, M.D., USMLE Step 2 CK Obstetrics & Gynecology. 2018. Published by Kaplan medical.
3. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers

Key questions covered in lesson 4.

1. Female hormones. (estrogen, FSH, LH etc)
2. Physiology of micturition.

Recommended reading for the lesson:

1. Sakshi Arora Hans. *Self Assessment & Review Obstetrics* Ninth Edition. 2016. Jaypee Brothers Medical Publishers (P) Ltd
2. Richa Saxena MD. *Basic sciences in Obstetrics and Gynaecology*, 2016, Jaypee Brothers Medical Publishers

Key questions covered in lesson 5.

1. Early Development of Embryo. (Ovum & Zygote. Blastula. Gastrula & Neurula.)
2. Early fetal development.
3. External embryonic membranes: Chorion, Amnion, Allantois. Decidua & Placenta.

Recommended reading for the lesson:

1. Langman's Medical Embryology 14th Edition by Ph.D. Sadler, T.W. 2018. Wolters Kluwer.
2. Diana Hamilton-Fairley MD, London. *Lecture Notes: Obstetrics and Gynaecology* Third edition. 2009
3. Rybalka A.N., Zabolotnov A.V., Kamilova I.K. et al. *OBSTETRICS AND GYNAECOLOGY*. Textbook in 2 volumes.

Key questions covered in lesson 6.

1. Clinical approach - women's choice and ethics. Sexual and reproductive rights of women.
2. Obstetric and gynecological patients, methods of examinations.
3. Anamnesis, abdominal inspection, palpation, fetal auscultation.

Recommended reading for the lesson:

1. Richa Saxena MD. *Basic sciences in Obstetrics and Gynaecology*, 2016, Jaypee Brothers Medical Publishers
2. A.N., Zabolotnov et al. *Obstetric and gynaecology*. Textbook, 2017, Elion, Russia
3. Elmar Peter Sakala, M.D., USMLE Step 2, *Lecture Notes*, 2018, Published by Kaplan medical, Inc. 395 Hudson Street New York

Key questions covered in lesson 7.

1. Gynecological assessment of external and internal genitalia, urethra and rectum.
2. Speculum and bimanual examination, indication, technique.

Recommended reading for the lesson:

1. Richa Saxena MD. *Basic sciences in Obstetrics and Gynaecology*, 2016, Jaypee Brothers Medical Publishers
2. A.N., Zabolotnov et al. *Obstetric and gynaecology*. Textbook, 2017, Elion, Russia

Key questions covered in lesson 9.

1. Prepuberty and Puberty. Definition, stages of development.
2. Delayed and precocious puberty.
3. Classification, causes and symptoms, diagnosis and tests, management and treatment.

Recommended reading for the lesson:

1. Philip Kumanov, Ashok Agarwal MD. *Puberty: Physiology and Abnormalities*. 1st edition 2016, Springer.
2. 1. Anna Maria Filghesu. *Good Practice in Pediatric and Adolescent Gynecology*, 1st edition, 2018, Springer.
2. S. Jean Emans, Marc R.Laufer. *Pediatric and Adolescent Gynecology*, 6th edition, Wolters Kluwers.

Key questions covered in lesson 10.

1. Bleeding in infancy. causes and symptoms, diagnosis and tests, management and treatment.
2. Female genital system development.
3. Mullerian anomalies. Symptoms and causes.

Recommended reading for the lesson:

1. Anna Maria Filghesu. *Good Practice in Pediatric and Adolescent Gynecology*, 1st edition, 2018, Springer.
2. S. Jean Emans, Marc R.Laufer. *Pediatric and Adolescent Gynecology*, 6th edition, Wolters Kluwers.

Key questions covered in lesson 11.

1. Female genital tract development
2. Delayed and precocious puberty. Gynecologic point of view.
3. Mullerian anomalies.

Recommended reading for the lesson:

1. 1. Philip Kumanov, Ashok Agarwal MD. *Puberty: Physiology and Abnormalities*. 1st edition 2016, Springer.
2. Richa Saxena MD. *Basic sciences in Obstetrics and Gynaecology*, 2016, Jaypee Brothers Medical Publishers
3. 2. A.N., Zabolotnov et al. *Obstetric and gynaecology*. Textbook, 2017, Elion, Russia

Key questions covered in lesson 12.

1. The hypothalamic-pituitary-ovarian (HPO) axis.

2. The hypothalamic-pituitary-ovarian (HPO) axis disorders. Pathophysiology.

Recommended reading for the lesson:

Michel Ferin. The Menstrual cycle: Physiology, Reproductive Disorders and Infertility. 1st edition. 1993. Oxford University Press.

Key questions covered in lesson 13.

1. Amenorrhoea primary and secondary. Classification, causes and symptoms, diagnosis and tests, management and treatment.

2. Hirsutism. Causes and symptoms, diagnosis, management and treatment.

Recommended reading for the lesson:

1. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

2. Elmar Peter Sakala, M.D., USMLE Step 2 CK Obstetrics & Gynecology. 2018. Published by Kaplan medical.

3. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers

Key questions covered in lesson 14.

1. Hermaphroditism. Causes and symptoms, diagnosis, management.

2. PCOS. Classification, causes and symptoms, diagnosis and tests, management and treatment.

3. Hyperprolactinemia. Classification, causes and symptoms, diagnosis and tests, management and treatment.

Recommended reading for the lesson:

1. Elmar Peter Sakala, M.D., USMLE Step 2, Lecture Notes, 2018, Published by Kaplan medical, Inc. 395 Hudson Street New York

2. A.N., Zabolotnov et al. Obstetric and gynaecology. Textbook, 2017, Elion, Russia

3. Diana Hamilton-Fairley MD, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009

Key questions covered in lesson 15.

1. Paediatric & Adolescent gynae Problems.

2. Teenage pregnancy. Complications.

3. PMS. Primary dysmenorrhoea. Causes and symptoms, diagnosis and tests, management and treatment.

4. Sexual abuse. Diagnosis, women rights.

Recommended reading for the lesson:

1. National Guidelines. 2014. Government of India Ministry of Health & Family Welfare

2. 1. Anna Maria Filghesu. Good Practice in Pediatric and Adolescent Gynecology, 1st edition, 2018, Springer.

2. S. Jean Emans, Marc R.Laufer. Pediatric and Adolescent Gynecology, 6th edition, Wolters Kluwers.

Key questions covered in lesson 17.

1. Infertility. (Primary and secondary). Causes.

2. Female and male infertility.

2. Anamnesis, Diagnosis, tests.

Recommended reading for the lesson:

1. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers

3. 2. A.N., Zabolotnov et al. Obstetric and gynaecology. Textbook, 2017, Elion, Russia

Key questions covered in lesson 18.

1. Investigations of infertile couple.

2. Anamnesis, Diagnosis, tests.

Recommended reading for the lesson:

1. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers

3. 2. A.N., Zabolotnov et al. Obstetric and gynaecology. Textbook, 2017, Elion, Russia

Key questions covered in lesson 19.

1. IVF. Preimplantation Genetic Diagnosis (PGD). Preimplantation Genetic Screening. Stimulation protocols.

2. Surrogacy. Pros and Cons of Surrogacy process. Legality in countries.

Recommended reading for the lesson:

1. National Guidelines. 2014. Government of India Ministry of Health & Family Welfare

2. Eric Scott Sills. Handbooks of gestational surrogacy. International Clinical practice and policy issues. 1st edition, 2016, Cambridge University Press.

3. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

Key questions covered in lesson 20.

1. Family planning services and programs, methods.

2. Female and male sterilization.

Recommended reading for the lesson:

1. National Guidelines. 2014. Government of India Ministry of Health & Family Welfare
2. Elmar Peter Sakala, M.D., USMLE Step 2, Lecture Notes, 2018, Published by Kaplan medical, Inc. 395 Hudson Street New York
3. Contraception made easy. L Percy , D Mansour , 170 pages. ISBN-13: Scion Publishing Limited. 2015.

Key questions covered in lesson 21.

1. Termination of pregnancy. Classification, causes and symptoms.
2. Diagnosis and tests, management and treatment.
3. Abortifacients drugs.

Recommended reading for the lesson:

1. Diana Hamilton-Fairley MD, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009
2. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

Key questions covered in lesson 22.

1. Abortifacients drugs.
2. Criminal abortion. Septic abortion. Causes and symptoms. Diagnosis and tests, management and treatment.
3. Sexual violence.

Recommended reading for the lesson:

1. Diana Hamilton-Fairley MD, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009
2. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

Key questions covered in lesson 23

1. Common genital tract infections.
2. Definition, causes, symptoms, treatment.

Recommended reading for the lesson:

1. National Guidelines. Prevention, Management and Control of Reproductive Tract Infections and Sexually Transmitted Infections. 2014. Government of India Ministry of Health & Family Welfare
2. Diana Hamilton-Fairley MD, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009
3. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

Key questions covered in lesson 24

1. Sexually transmitted infections. Types, definition.
2. Symptoms, management, treatment.

Recommended reading for the lesson:

1. National Guidelines. Prevention, Management and Control of Reproductive Tract Infections and Sexually Transmitted Infections. 2014. Government of India Ministry of Health & Family Welfare
2. Diana Hamilton-Fairley MD, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009
3. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

Key questions covered in lesson 25

1. Genital Tuberculosis. Causes and symptoms. Diagnosis and tests, management and treatment.
2. Sexual problems for male and female.

Recommended reading for the lesson:

1. National Guidelines. Prevention, Management and Control of Reproductive Tract Infections and Sexually Transmitted Infections. 2014. Government of India Ministry of Health & Family Welfare
2. Diana Hamilton-Fairley MD, London. Lecture Notes: Obstetrics and Gynaecology Third edition. 2009
3. Gibbs, Ronald S.; Karlan, Beth Y Danforth's Obstetrics and Gynecology, 10th Edition Copyright ©2008

Key questions covered in lesson 26

1. Benign conditions (nabotian cysts, cervical polyps) Causes and symptoms. Diagnosis and tests, management and treatment.
2. Cervicitis, functional cysts, theca lutein cysts. Causes and symptoms. Diagnosis and tests, management and treatment.

Recommended reading for the lesson:

1. National Guidelines. Prevention, Management and Control of Reproductive Tract Infections and Sexually Transmitted Infections. 2014. Government of India Ministry of Health & Family Welfare
2. Elmar Peter Sakala, M.D., USMLE Step 2 CK Obstetrics & Gynecology. 2018. Published by Kaplan medical.
3. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers

Key questions covered in lesson 27

1. Acute pelvic inflammatory diseases of female reproductive system. Causes and symptoms.
2. Diagnosis and tests, management and treatment.

Recommended reading for the lesson:

1. National Guidelines. Prevention, Management and Control of Reproductive Tract Infections and Sexually Transmitted Infections. 2014. Government of India Ministry of Health & Family Welfare
2. Elmar Peter Sakala, M.D., USMLE Step 2 CK Obstetrics & Gynecology. 2018. Published by Kaplan medical.
3. Richa Saxena MD. Basic sciences in Obstetrics and Gynaecology, 2016, Jaypee Brothers Medical Publishers

Methodological instructions for the implementation of independent work on the discipline

Individual and group tasks for Unit 1 " Basic science. Woman as a patient. Examination of the patient in obstetrics and gynecology. »

Tasks for independent work of the student:

1. Prepare an essay on the history of the development of obstetrics and gynecology in India.
2. Draw a picture of "Topographic anatomy and ligamentous apparatus of the uterus"
3. Prepare an abstract on principles of organization of obstetric services in your country.
4. Prepare an abstract on sexual and reproductive rights of women in your country.
5. Prepare a brief history of the first visit of a pregnant woman to you.

Individual and group tasks for Unit 2 « Puberty and menstrual problems of young women»

Tasks for independent work of the student:

1. Abstract of lectures of precocious puberty.
2. Find and present the best video or presentation about Embryology of Mullerian and Wolffian Ducts
3. Prepare an abstract on Adolescent pregnancy and sexual abuse in your country.
4. Prepare an abstract on Forms of Sexual Violence.
5. Prepare an abstract on PCOS (pathophysiology and treatment).

Individual and group tasks for Unit 3 « Infertility. Pregnancy prevention and termination of pregnancy»

Tasks for independent work of the student:

1. Prepare an abstract on "Actuality of the problem of infertility and its prevalence in the world"
2. Prepare an abstract on Intersex.
3. Prepare an abstract on "Sheehan Syndrome (definition, causes, clinical manifestations, treatment)".
4. Prepare an abstract on "Asherman Syndrome (definition, causes, clinical manifestations, treatment)".
5. Prepare a presentation on "Types of assisted reproductive technologies".
6. Prepare an abstract on "Emergency contraception: types, conditions for use".
7. Prepare a presentation on "The attitude of your country to egg donation and surrogate motherhood at the legislative level"
8. Prepare an abstract on "The attitude of your country to abortions".
9. Prepare a presentation on "Technique of surgical termination of pregnancy"
10. Prepare a presentation on "Female genital mutilation (state of the problem at the present stage)"

Individual and group tasks for Unit 4 « Infertility. Pregnancy prevention and termination of pregnancy»

Tasks for independent work of the student:

1. Prepare an abstract on Fetishism (causes, symptoms, treatment).
2. Prepare a presentation on "Sexually transmitted infections (chancroid, lymphogranuloma venereum, granuloma inguinale, molluscum contagiosum)".
3. Prepare an abstract on "Counseling and Testing for RTIs/STIs – principles"
4. Prepare an abstract on "Diagnosis of HIV"
5. Prepare an abstract on "Human Papilloma Virus (HPV)"
6. Prepare an abstract on "Ectoparasitic infections (Pediculosis pubis, scabies) Gartner's duct cysts"

Informational resources

1. <https://www.who.int/home>
2. <https://www.nlm.nih.gov/>
3. <https://pubmed.ncbi.nlm.nih.gov/>
4. <https://www.cebm.net/>
5. <https://bestpractice.bmj.com/info/evidence-information/>
6. <https://www.cochrane-net.org/openlearning/>
7. <https://ktclearinghouse.ca/>
8. <https://www.cochranelibrary.com/>
9. https://www.gfmer.ch/000_Homepage_En.htm
10. <https://www.osmosis.org>
11. <https://www.rcog.org.uk/>

