

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY

Department of Obstetrics and Gynecology No.2
Academic year 2021-2022

SYLLABUS OF THE ACADEMIC DISCIPLINE

_____ "Peculiarities of outpatient care in obstetrics and gynecology" (e/c) _____
(name of academic discipline)

Field of knowledge _____ 22 Healthcare _____

Specialty / EQL EPP 222 Medicine, second Master's level
Medicine
Year V

The syllabus of the discipline was approved at
the meeting of the department of Obstetrics
and Gynecology No.2 _____

Protocol of
" 28 " _____ August _____ 2021 No. 10 _____

Head of the department

(signature) _____ Professor V.V. Lazurenko
(initials and surname)

Approved by the methodical commission of
KhNMU on the problems of surgical
profile _____

_____ (name)

Protocol of.
" 28 " _____ August _____ 2021 No. 1 _____

Head _____
(signature) _____ Professor V.O. Syplivyi
(initials and surname)

Syllabus builders

Prof. Victoria Valentynivna Lazurenko
 Assoc. Prof. Olga Borysivna Ovcharenko
 Assis. Tetana Volodimirsvna Melichova

Data on teachers who teach the discipline

First name, patronymic, surname of the teacher	Prof. Victoria Valentynivna Lazurenko, Assoc. Prof. Olga Borysivna Ovcharenko
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Schedule of classes	According to the schedule of academic year 2020-2021
Consultations	Offline consultations: by prior arrangement; Online consultations: in the Moodle system.

INTRODUCTION

Syllabus of the discipline "Peculiarities of outpatient care in obstetrics and gynecology" is made for the educational-professional program Medicine of the second (Master's) level of knowledge, 22 Health care, specialty 222 Medicine.

Description of the discipline (abstract)

The amount of study load is described in ECTS credits, which are credited to students upon successful mastering of the relevant sections of the chosen discipline. Types of educational activities of students according to the curriculum are: practical classes, independent work. The list of criteria for obstetric and gynecological care is regulated by the relevant protocols in the specialty "Obstetrics and Gynecology" of the Ministry of Health of Ukraine.

The **subject** of study of the discipline of choice is obstetrics and gynecology.

Interdisciplinary relationship: "Peculiarities of outpatient care in obstetrics and gynecology" as a branch of the discipline "Obstetrics and Gynecology" is based on knowledge obtained by students in the study of medical biology, normal and pathological anatomy, topographic anatomy, normal and pathological physiology of the female reproductive system, histology and embryology, microbiology, pharmacology, clinical genetics, internal occupational and infectious diseases, surgical diseases, hygiene, social medicine, social medicine health economics and integrates with these disciplines.

1. Elective course program "Features of outpatient and polyclinic care in obstetrics and gynecology"

Section 1. Features of outpatient and polyclinic care in gynecology

Topic 1. Physiological changes in the female genitals at different ages. Methods of examination of gynecological patients in outpatient settings. Regulation of the menstrual cycle.

Clinical anatomy of female genitals. Modern knowledge about menstrual function. Neuroendocrine regulation of genital function. The role of hormones, biologically active substances.

General and special methods of examination of gynecological patients: examination with vaginal speculum, bimanual vaginal examination, examination through the rectum. Features of collecting a special gynecological history. Methods of functional diagnosis of ovarian condition. Biopsy. Issues of laboratory diagnosis. Features of gynecological examination in children and adolescents.

Topic 2. Management of patients with inflammatory diseases of the female genital organs in outpatient settings. Methods of early diagnosis and treatment.

Inflammatory diseases of non-specific and specific etiology (vulvitis, vaginitis, endocervicitis, endometritis, adnexitis, pelvioperitonitis, parametritis, tuberculosis). Features of the course at different ages

Sexually transmitted diseases (trichomoniasis, gonorrhea, candidiasis, viral lesions, ureaplasmosis, chlamydia). Diagnosis, treatment and prevention of bacterial vaginosis. Features of treatment of acute and chronic diseases of inflammatory processes of female genitals. Indications for hospitalization. Rehabilitation of women who have undergone inflammatory processes.

Topic 3. Benign tumors of the female genitalia. Dispensary supervision, risk groups.

Benign ovarian tumors: epithelial, genital stroma tumors, lipid-cell tumors, germinogenic tumors. The concept of cysts and cystomas. Benign tumors of the uterus. Uterine leiomyoma. Presentation, diagnosis and modern methods of treatment (hysteroscopy and laparoscopy). Dispensary supervision.

Topic 4. Background and precancerous diseases of the female reproductive system. Pathology of the cervix. Modern methods of diagnosis and treatment in outpatient settings.

Background and precancerous diseases of external female genitals Background and precancerous diseases of the cervix: erosion, polyp, ectropion, endocervicitis. Dysplastic diseases of the cervix. Hyperplastic processes of the endometrium. Classification and clinical manifestations. Cervical screening and targeted biopsy as methods for diagnosing cervical pathology. Modern methods of treatment in outpatient settings. Gynecological aspects of breast diseases.

Topic 5. Malignant tumors of the female genitals. Tactics of the doctor of the polyclinic.

Malignant neoplasms of the external female genitalia. Vulvar cancer. Cervical cancer. Cancer of the uterine body. Uterine sarcoma. Ovarian cancer. Uterine cancer. Classification, presentation, diagnosis, treatment.

Dispensary observation.

Topic 6. Neuroendocrine syndromes in gynecology.

The problem of menstrual disorders at different ages. Classification of menstrual disorders. Amenorrhea. Abnormal uterine bleeding. Juvenile uterine bleeding. Algodysmenorrhea. Neuroendocrine syndromes in gynecology. Modern methods of diagnosis and treatment.

Topic 7. Endometriosis.

Etiology and pathogenesis. Classification. Diagnosis. Presentation. Modern methods of treatment. Medical rehabilitation of women with endometriosis.

Topic 8. Miscarriage.

Causes of spontaneous abortion at different stages of pregnancy. Classification, presentation, diagnosis, treatment and prevention of miscarriage. Tactics of a women's clinic doctor in case of threatened preterm birth. Dispensary supervision of women with miscarriage.

Topic 9. Infertile marriage.

Causes of female and male infertility. Examination of a married couple in an infertile marriage. Modern principles and methods of treatment of female infertility. Hormonal treatments for infertility. Insemination with sperm from a man, a donor. In vitro fertilization and other modern reproductive technologies. Surgical methods of treatment.

Organization, structure and tasks of the family planning service. Modern aspects of contraception. Classification, mechanism of action and effectiveness of modern contraceptives.

Section 2. Features of outpatient care in obstetrics.

Topic 10. Physiological changes in the mother's body during pregnancy.

Physiological changes in a woman's body during pregnancy. Hygiene and diet of a pregnant woman. Diagnosis of pregnancy. External and internal obstetric examination. Obstetric terminology. Determination of fetal life and death

Topic 11. Methods of examination of pregnant women in outpatient settings.

Mandatory research methods in accordance with the Order of the Ministry of Health No.417. Determination of maternity leave and delivery date Determination of perinatal risk factors. Methods for diagnosing the condition of the fetus (methods for assessing the condition of the fetoplacental system: ultrasound, CTG, Doppler, biophysical profile of the fetus; diagnosis of hereditary diseases). Indications for invasive diagnostic methods.

Topic 12 Features of management of women with complicated pregnancy in an outpatient setting.

Preeclampsia of the first and second half of pregnancy. Extragenital diseases during pregnancy. Incorrect position and presentation of the fetus. Narrow pelvis. Multiple pregnancy. Bleeding in the second half of pregnancy.

Indications for hospitalization. Indications for abortion. Emergency care in a women's welfare clinic.

Description of the elective course " Peculiarities of outpatient care in obstetrics and gynecology "

Name of indicators	Field of knowledge, direction of training, educational and qualification level	Characteristics of the discipline		
		Full-time training		
Number of credits – 3	Training direction <u>22 Healthcare</u> (code and name)	Elective course		
Total number of hours - 90	Specialty: <u>222 Medicine</u> (code and name)	Year of training:		
		5th		
		Term		
		9 th or 10 th		
		Lectures		
Hours for full-time form of study: Classroom hours - 20 independent student work hours - 70	Education and qualification level: <u>Second (Master's level)</u>			
		Practical classes, seminars		
		20 hours		
		Laboratory		
		Independent work		
		70 hours		
Individual classes:				
Type of control: credit				

Topics of lectures.**Not included in the program****Topics of practical classes**

No.	Topic name	Number of hours
1	Management of patients with inflammatory diseases of the female genital organs in outpatient settings. Methods of early diagnosis and treatment.	1
2	Benign tumors of the female genitalia. Dispensary supervision, risk groups.	1
3	Background and precancerous diseases of the female reproductive system. Pathology of the cervix. Modern methods of diagnosis and treatment in outpatient settings	3
4	Malignant tumors of the female genitals. Tactics of the doctor of the polyclinic.	1
5	Neuroendocrine syndromes in gynecology	2
6	Endometriosis	1
7	Miscarriage.	2
8	Infertile marriage.	2
9	Methods of examination of pregnant women in outpatient settings.	2
10	Features of management of women with complicated pregnancy in an outpatient setting.	3
	Final term control	2
	Total	20

Independent work

No.	Topic name	Number of hours
1	Physiological changes in the female genitals at different ages. Methods of examination of gynecological patients in outpatient settings. Regulation of the menstrual cycle.	8
2	Management of patients with inflammatory diseases of the female genital organs in outpatient settings. Methods of early diagnosis and treatment.	4
3	Benign tumors of the female genitalia. Dispensary supervision, risk groups.	4
4	Background and precancerous diseases of the female reproductive system. Pathology of the cervix. Modern methods of diagnosis and treatment in outpatient settings	5
5	Malignant tumors of the female genitals. Tactics of the doctor of the polyclinic.	4
6	Neuroendocrine syndromes in gynecology	6
7	Endometriosis	4
8	Miscarriage.	6
9	Infertile marriage.	6
10	Physiological changes in the mother's body during pregnancy.	8
11	Methods of examination of pregnant women in outpatient settings.	6
12	Features of management of women with complicated pregnancy in an outpatient setting.	6
	Final term control	3
14	Total	70

Teaching methods

Practical training:

- oral interview;
- discussions on various issues;
- role and business games;
- case methods;
- mastering of practical skills;

Control methods

When studying the discipline, the current and final semester control is used. Also, there is a mandatory control of the assimilation of educational material of the discipline, assigned to independent work.

Current control (assimilation of certain topics) is carried out in the form of oral interviews, testing, conversations of students on predetermined issues, in the form of speeches of higher education students with reports when discussing educational issues in practical classes.

In order to assess the independent work of students, an alternative option is offered (*optional*): traditional types of tasks: writing a test, abstract or creative types: preparation of a multimedia presentation, elaboration of educational literature (summary, review, citation, abstracts, additions to lectures).

The final semester control in the discipline is a mandatory form of control of academic achievements of higher education students. It is performed orally. The terms of the final semester control are set by the schedule of the educational process, and the amount of educational material, which is submitted for the final term control, is determined by the work program of the discipline.

The total number of rating points for the study of the discipline for the semester is calculated as the sum of points obtained from the results of the current control and points obtained from the results of the final semester control. The maximum amount of points for the semester is 200 points, the minimum – 120 points.

Form of assessment of students' knowledge

The form of final control of academic performance in the discipline is a grading test.

Recalculation of the average score for current academic activities on a multi-point scale

Assessment of students is carried out in accordance with the “Instructions for assessing the educational activities of students in the European credit transfer system for the organization of the educational process at KhNMU” (Table 2).

Recalculation of the average score for current academic activities on a multi-point scale (for disciplines ending with credit)

4- point scale	200- point scale	4- point scale	200- point scale	4- point scale	200- point scale
5	200	4.22-4,23	169	3.45-3,46	138
4.97-4,99	199	4.19-4,21	168	3.42-3,44	137
4.95-4,96	198	4.17-4,18	167	3.4-3,41	136
4.92-4,94	197	4.14-4,16	166	3.37-3,39	135
4.9-4,91	196	4.12-4,13	165	3.35-3,36	134
4.87-4,89	195	4.09-4,11	164	3.32-3,34	133
4.85-4,86	194	4.07-4,08	163	3.3-3,31	132
4.82-4,84	193	4.04-4,06	162	3.27-3,29	131
4.8-4,81	192	4.02-4,03	161	3.25-3,26	130
4.77-4,79	191	3.99-4,01	160	3.22-3,24	129

4.75-4,76	190	3.97-3,98	159	3.2-3,21	128
4.72-4,74	189	3.94-3,96	158	3.17-3,19	127
4.7-4,71	188	3.92-3,93	157	3.15-3,16	126
4.67-4,69	187	3.89-3,91	156	3.12-3,14	125
4.65-4,66	186	3.87-3,88	155	3.1-3,11	124
4.62-4,64	185	3.84-3,86	154	3.07-3,09	123
4.6-4,61	184	3.82-3,83	153	3.05-3,06	122
4.57-4,59	183	3.79-3,81	152	3.02-3,04	121
4.54-4,56	182	3.77-3,78	151	3-3,01	120
4.52-4,53	181	3.74-3,76	150	Less than 3	Insufficient
4.5-4,51	180	3.72-3,73	149		
4.47-4,49	179	3.7-3,71	148		
4.45-4,46	178	3.67-3,69	147		
4.42-4,44	177	3.65-3,66	146		
4.4-4,41	176	3.62-3,64	145		
4.37-4,39	175	3.6-3,61	144		
4.35-4,36	174	3.57-3,59	143		
4.32-4,34	173	3.55-3,56	142		
4.3-4,31	172	3.52-3,54	141		
4.27-4,29	171	3.5-3,51	140		
4.24-4,26	170	3.47-3,49	139		

Table 2.

Assessment of theoretical knowledge, if practical skills are assessed by the criteria of “passed”, “failed”

Number of questions	“5”	“4”	“3”	Oral answer for questions in the cards, which include the theoretical part of the discipline	For each answer the student receives from 10 to 16 points, which corresponds to: “5” - 16 points; “4” - 13 points; “3” - 10 points.
1	16	13	10		
2	16	13	10		
3	16	13	10		
4	16	13	10		
5	16	13	10		
	80	65	50		

Credit questions

1. What are the physiological changes in the female genitals at different ages?
2. What are the methods of examination of gynecological patients in outpatient settings?
3. What hormones and biologically active substances regulate menstrual cycle?
4. What are the features of gynecological examination in children and adolescents?
5. What inflammatory diseases of non-specific and specific etiology do you know? What are the features of their course at different ages?
6. What methods do you know for early diagnosis and treatment of patients with inflammatory diseases of the female genital organs in outpatient settings?
7. What sexually transmitted diseases do you know? What are the features of their course?
8. What methods of diagnosis, treatment and prevention of sexually transmitted diseases do you know?
9. What benign tumors of the female genitals (ovaries and uterus) do you know? What are the features of their presentation?
10. What do you know about modern methods of diagnosis and treatment of benign diseases of the female genital organs?
11. What are the modern methods of diagnosis and treatment of background and precancerous diseases of the female reproductive system in outpatient settings?
12. What should be the approach of the doctor in the diagnosis of malignant tumors of the female genitalia?

13. What are the neuroendocrine syndromes in gynecology and their main modern methods of diagnosis and treatment?
14. What modern methods of treatment and diagnosis of endometriosis do you know?
15. What are the main reasons for spontaneous abortion at different stages of pregnancy and what approach should a women's clinic doctor choose?
16. What approach should a women's clinic doctor choose in threatened premature birth?
17. What are the causes of female and male infertility, methods of examination and modern principles of treatment?
18. What physiological changes occur in the mother's body during pregnancy?
19. What are the methods of examination of pregnant women in outpatient settings?
20. What features of management of women with a complicated course of pregnancy in outpatient settings do you know?
21. Emergency care in severe preeclampsia and eclampsia in the conditions of women's clinic and further actions of the doctor.
22. Emergency care in the presence of bleeding from the genital tract in a women's clinic and further actions of a doctor.

Individual tasks

Preparation of presentations of problematic character.
Participation in student scientific conferences, round tables.

Tasks for independent work

Preparation for practical classes. Processing of material according to the reference abstract. Work with supporting literature. Search and analytical work.

Teacher's (department's) policy Academic expectations from students

Course requirements

Students are expected to attend all practical classes. Missed classes should be redone (according to the schedule on the information stand of the department)

Written tasks and homework must be done completely and on time, if students have questions, they can contact the teacher in person or by e-mail, which the teacher will provide in the first practical class.

During the lectures, students are recommended to keep a synopsis of the class and keep a sufficient level of silence. Asking questions to the teacher is perfectly normal.

Practical training

When conducting practical classes at the patient's bedside, in the delivery room, operating room, students must follow the rules of medical ethics and deontology. They must have appropriate clothing and medical examination results.

Actively participating in the discussion in the classroom, students should be ready to understand the material in detail, ask questions, express their views, engage in discussion. During the discussion it is important to:

- show respect for colleagues,
- have tolerance for others and their experience,
- be receptive and impartial,
- be able to disagree with the opinion, but to respect the personality of the opponent,
- provide careful argumentation of one's opinion and the courage to change one's position under the influence of evidence,
- self-expression, when a person avoids unnecessary generalizations, describes his feelings and formulates his wishes based on their own thoughts and emotions,
- mandatorily get acquainted with primary sources.

A creative approach in its various manifestations is welcome. Students are expected to be interested in participating in city, national and international conferences, competitions and other events in the subject profile.

Occupational health

During the first class of the course it is necessary to explain the basic principles of labor protection by conducting appropriate training. It is expected that everyone should know where the nearest evacuation exit to the audience, where the fire extinguisher is, how to use it, and so on.

Behavior in the classroom

Basic “dos” and “don’ts”

It is important to follow the rules of good behavior at the university. These rules are common to all, they also apply to all faculty and staff, and do not differ in principle from generally accepted norms.

During classes it is allowed to:

- leave the classroom for a short time if necessary and with the permission of the teacher;
- drink soft drinks;
- take photos of presentation slides;
- take an active part in the class (see Academic expectations from students).

It is prohibited to:

- eat (except for persons whose special medical condition requires it - in this case, medical confirmation is required);
- smoke, drink alcohol and even low-alcohol beverages or drugs;
- use obscene language or use words that offend the honor and dignity of colleagues and faculty;
- gamble;
- damage the material and technical base of the university (damage inventory, equipment; furniture, walls, floors, litter the premises and territories);
- shout, yell or listen to loud music in classrooms and even in corridors during classes.

Plagiarism and academic integrity

The Department of Obstetrics and Gynecology No.2 maintains zero tolerance for plagiarism. Students are expected to constantly raise their awareness of academic writing. The first classes will provide information on what to consider plagiarism and how to properly conduct scientific research.

Recommended references

Basic

1. Obstetrics and Gynecology: In two volumes. – Volume 1: Акушерство-Obstetrics: textbook/ Group of authors, Edited by V.I. Gryshchenko, M.O.Shcherbina. – K.: AUS Medicine Publishing, 2014. – 392 p.
2. Obstetrics By Ten Teachers: Edited by Geoffrey Chamberlain. - Seventeenth Edition. – Co-published in the USA by Oxford University Press, Inc., New York, 2004. – 284 p.
3. Roger P.Smith Netter’s Obstetrics&Gynecology. – 3th Edition. – 2018. – 303 p.
4. Williams Obstetrics. In two volumes. – 25-th edition. McGrawHill Global Education Holding,LLC - 2018.
5. The Guide Obstetrics &Gynaecology. –MSSN. – 113 p.
6. Senchuk A., Chermak I.,Ventskivska I. Guidelines Oststetrics. Study guide / Ed ND, prof A. Senchuk. – K. : Книга Плюс – 2020 – 204 с.
7. Senchuk A., Chermak I.,Ventskivska I. Guidelines: Patological Oststetrics. Study guide / Ed ND, prof A. Senchuk. – K. : Книга Плюс – 2021 – 210 с.

Information resources

All-Ukrainian electronic library [http://youalib.com/medicine/obstetrics- and-gynecology](http://youalib.com/medicine/obstetrics-and-gynecology)

Textbooks of medicine <http://www.ex.ua/74367524>

KhNMU repository <http://repo.knmu.edu.ua>

Official site of the testing center <https://testkrok.org.ua/>