MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS

«VITEBSK STATE ORDER OF PEOPLES’ FRIENDSHIP

MEDICAL UNIVERSITY»

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

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|  | Approved at the meeting of the department  Protocol №1 02.09.2024 |

**METHODOLOGICAL INSTRUCTIONS FOR STUDENTS**

**for clinical practical classes**

in the discipline “Obstetrics and Gynecology”

speciality 1-79 01 01 “General Medicine”

V course Faculty of overseas students training

full-time education

**Lesson Topic:** Background, precancerous and benign diseases of the female reproductive system.

**Duration of the class:** 5 hours

**Authors:**

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**Motivational characteristics of the necessity of studying the topic:**

The problem of diagnosis and treatment of background, precancerous and benign diseases of the female reproductive system has not only medical but also social significance, as it is closely related to issues of prevention of oncological diseases of the female genital organs, preservation of menstrual and reproductive functions in young women.

**Goals and objectives of the class:**

**Learning goals**

To know background and pre-cancer diseases of the external genitalia and vagina.

To study background and pre-cancer diseases of the cervix.

To study background and pre-cancer diseases of the endometrium.

To study benign tumors and tumor-like masses of the external genitalia and vagina.

To know modern theories of the pathogenesis, classification, diagnostics, clinical manifestations, methods of treatment of the tumors and tumor-like masses of ovaries.

**Developmental goals**

Formation of clinical mindset, development of attentiveness and observation while performing practical clinical tasks, development and improvement of communication skills “doctor-patient”, strengthening interest in the study of the topic of the class and gynecology in general.

**Formative goals**

Formation and development of the sense of mutual assistance, subordination, tact, empathy, responsibility for the assigned work, efficiency, accuracy, conscientiousness, understanding of the importance of the profession, familiarization with the norms of professional activity taking into account medical ethics and deontology in the management of gynecological patients.

**Lesson objectives**

During the study of the topic of the training session the student should

**learn:**

* clinical picture, diagnosis, treatment of background and precancerous diseases of the external genitals;
* clinical signs, diagnosis, treatment of background and precancerous cervical diseases;
* pathogenesis, clinical picture, diagnosis, treatment of background and precancerous endometrial diseases;
* clinical picture, diagnosis, treatment of benign tumors and tumors of the external genitals and vagina;
* the modern theory of the pathogenesis of tumors and tumor diseases of the ovaries;
* classification, diagnosis, clinical picture of tumors and ovarian tumor diseases; methods of treatment of tumors and ovarian tumor formations;
* pathogenesis, classification, clinical signs, diagnosis and treatment of dishormonal diseases of the mammary glands;

**be able to:**

* carry out gynecological examination of the patient for diagnose of background and precancerous diseases of the external genitals, cervix, endometrium, benign tumors and tumor-like masses of the external genitals, vagina and ovaries;
* chart a survey and treatment plan for the patient with background and precancerous diseases of the external genitals, cervix, endometrium, benign tumors and tumors of the external genitals, vagina and ovaries;
* interpret the results of additional methods of examination of patients with background and precancerous diseases of the female genital organs;
* carry out a differential diagnosis of background and pre-cancer diseases of the external genitals, cervix, endometrium, benign tumors and tumor-like formations of the external genitals, vagina and ovaries;
* determine indications for surgical treatment of background and precancerous diseases of the external genitals, cervix, endometrium, benign tumors and tumors of the external genitals, vagina and ovaries;
* palpate the mammary glands;
* chart a survey and treatment plan for the patient with dishormonal diseases of the mammary glands.

**practice:**

* basic techniques for examining patients with background, pre-cancer and benign diseases of the female reproductive system.

**Practical skills to be formed when class is conducted, including with the use of simulation training technologies:**

1. Examination of the cervix in speculum.

2. Bimanual vaginal-abdominal examination.

3. Separate diagnostic curettage of the uterus.

**Interdisciplinary and intra-disciplinary links**

For a full understanding of the topic of the class in the study, interpretation of the data obtained laboratory and instrumental methods of research, it is necessary to be guided by previous knowledge in the field of normal and pathological physiology, anatomy (including topographic), biochemistry, histology, pharmacology, propaedeutics of internal medicine, infectious diseases, clinical immunology and allergology.

**Theoretical part**

All necessary information for preparation for the lesson can be found in the distance learning system of VSMU (Faculties→ Faculty of Medicine→ Department of Obstetrics and Gynecology → Obstetrics and Gynecology (5th year Overseas Students Training Faculty). The presentation of theoretical material should be deep, consistent in accordance with the list of control questions on the topic of the class. References to the used sources should be indicated in the process of their mentioning according to the list of used literature. When presenting issues related to diagnosis and treatment, it is recommended to emphasize modern methods and recommendations (according to clinical protocols of the Ministry of Health of the Republic of Belarus, national and international clinical guidelines).

**Classroom control questions:**

1. Clinical picture, diagnosis, differential diagnostics, treatment of background and precancerous diseases of external genitals.

2. Clinical signs, diagnosis, differential diagnosis, treatment of background and precancerous diseases of the vagina.

3. Classification, etiology, clinical picture, diagnosis, treatment of background and precancerous diseases of the cervix.

4. Classification of background and precancerous diseases of endometrium.

5. Etiology, pathogenesis, classification, clinical picture, diagnostics, treatment of hyperplastic processes of endometrium.

6. Indications for surgical treatment of hyperplastic processes of endometrium.

7. Etiology, clinic, diagnosis, differential diagnosis, treatment of benign tumors and tumor-like formations of the external genitals and vagina.

8. Classification of ovarian tumors.

9. Clinical signs, diagnostics, differential diagnosis of tumors and tumor-like ovarian formations.

10. Methods of treatment of the tumors and tumor-like masses of ovaries.

11. Clinical signs, diagnosis, treatment of dishormonal diseases of the mammary glands.

**Practical part**

Solving clinical tasks – see the topic "Cancer-predisposing and premalignant lesions of the female genitalia" in the manual Obstetrics and gynecology: clinical tasks: a manual for students of higher education institutions studying in the specialty 1-79 01 01 "General Medicine" / L.E. Radeckaya [et al.]; Ministry of Health of the Republic of Belarus, UO "Vitebsk State Order of Peoples’ Friendship Medical University", Department of Obstetrics and Gynecology. - Vitebsk: [VSMU], 2021. - 67 p. - <https://do2.vsmu.by/pluginfile.php/323312/mod_resource/content/0/Radeckaya-LE_Obstetrics_and_gynecology_clinical_tasks_2021.pdf>

Algorithms for completing practical skills can be found at <https://do2.vsmu.by/course/view.php?id=2062> (practical section, manual on practical skills in obstetrics and gynecology - video)

**Questions for student independent work**

Lecture "Background, precancerous and benign diseases of the female reproductive system" (USR - 0.67 hours), see the link <https://do2.vsmu.by/mod/resource/view.php?id=309669>

Test "Background, precancerous and benign diseases of the female reproductive system" (USR - 0.67 hours), see the link <https://do2.vsmu.by/mod/quiz/view.php?id=309672>

**Deadline for completion of student independent work:**

During the semester.

**LITERATURE:**

**Basic:**

1. Dutta D.C. Textbook of gynecology including contraception / textbook / Calcutta: New central book Agency (P) Ltd. - 2016. -574 P.

2. Гинекология : пособие / Н.И. Киселева [и др.]; под общ. ред. Н.И. Киселевой. – Витебск : ВГМУ, 2022. – 478 с.

**Additional:**

1. Сборник тестовых заданий по гинекологии для специальности 1-79 01 01 "Лечебное дело" = Multiple choice questionnaire on gynecology for the specialty 1-79 01 01 "General practice" / Л. Е. Радецкая [и др.]. - Витебск : ВГМУ, 2020. - 63 с. - Режим доступа: https://elib.vsmu.by/handle/123/22320

2. Obstetrics and gynecology: practical skills = Акушерство и гинекология: практические навыки : метод. рекомендации / Л. Е. Радецкая [и др.] ; М-во здравоохранения Республики Беларусь, УО "Витебский гос. ордена Дружбы народов мед. ун-т", Каф. акушерства и гинекологии. - (2-е изд., перераб. и доп.). - Витебск : ВГМУ, 2020. - 68 с. : ил. - Библиогр.: с. 67-68. - ISBN 978-985-580-009-6. - Режим доступа: https://elib.vsmu.by/handle/123/22909

3. Radeckaya, L. E. Obstetrics and gynecology: clinical tasks = Акушерство и гинекология: клинические задачи : метод. рекомендации / L. E. Radeckaya, E. A. Kolbasova ; М-во здравоохранения Республики Беларусь, УО "Витебский гос. ордена Дружбы народов мед. ун-т", Каф. акушерства и гинекологии. - Витебск : [ВГМУ], 2021. - 66 с. - Режим доступа: https://elib.vsmu.by/handle/123/23638

4. Radzinskiy, V. Е. (Радзинский В. Е. ) Gynecology : textbook / ed. by Radzinskiy V. Е. , Fuks А. М. - Москва : ГЭОТАР-Медиа, 2020. - 896 с. Режим доступа: https://www.studentlibrary.ru/book/ISBN9785970457993.html