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:** Anatomical and physiological characteristics of the female reproductive system. The main symptoms of gynecological diseases. Methods of examination in gynaecology.

**Duration of the class:** 6 hours

**Authors:**

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Vitebsk, 2024 year

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

The topic of the practical lesson is one of the important ones in the course of gynecology, since without knowledge of the organization of obstetric and gynecological medical care, the anatomical and physiological characteristics of the female reproductive system, modern examination methods, without the ability to apply them in practice, it is impossible to make a diagnosis, conduct differential diagnostics and prescribe appropriate treatment for a gynecological patient.

**Goals and objectives of the class:**

**Learning goals**

To study the features of anatomy and physiology of female genital organs in different age periods of a woman's life.

To study the main symptoms of gynecological diseases.

To study a survey methods for gynecological patients.

**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 nephrology 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 nephrology patients.

**Lesson objectives**

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

**learn:**

* the features of anatomy and physiology of female genital organs in different age periods of a woman's life;
* the main symptoms of gynecological diseases;
* general, special and additional methods of examination in gynecology;

**be able to:**

* take anamnesis from a patient with gynecological pathology;
* carry out a special gynecological examination (examination of the cervix in the speculum, bimanual vaginal examination);
* perform separate diagnostic curettage of the uterus;
* perform an abdominal puncture through the posterior vaginal vault;
* evaluate and interpret the data of general , special, additional methods of investigation in gynecology;

**practice:**

* basic techniques for examining patients with gynecological diseases.

**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.

4. Culdocentesis.

**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. Medical examination of patients with gynecological pathology.

2. Medical ethics and deontology in gynecology.

3. Principles of therapy and medical rehabilitation expertise in gynecology.

4. The role of anamnesis in the examination of gynecological patients.

5. Features of the development and structure of the female genitals at different age periods.

6. External and internal genital organs. Mammary glands.

7. Physiology of the female reproductive system.

8. General methods of examination of gynecological patients.

9. Special methods of examination of gynecological patients.

10. Methods of hormonal examination in gynecology: functional diagnostic tests; hormonal samples; determination of hormones and their metabolites.

11. Instrumental methods of examination in gynecology: aspiration biopsy of the endometrium (method of implementation and diagnostic value); probing of the uterine cavity (method of implementation and diagnostic value); diagnostic curettage of the uterus (method of implementation and diagnostic value); puncture of the abdominal cavity through the posterior fornix (method of implementation and diagnostic value).

12. Possibilities of ultrasound diagnostics in gynecology.

13. Methods of endoscopic diagnostics (colposcopy, hysteroscopy, laparoscopy): indications, contraindications, diagnostic value, possible complications.

14. X-ray methods of research in gynecology and their diagnostic value in gynecological practice.

**Practical part**

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)

**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