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:** Specific pelvic inflammatory diseases (sexually transmitted infections).

**Duration of the class:** 5 hours

**Authors:**

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

Infections of the female genital organs of specific etiology are characterized by high frequency and are the cause of inflammatory diseases of the pelvic organs, infertility, ectopic pregnancy, chronic pelvic pain syndrome, intrauterine infection of the fetus and complicated pregnancy. In addition, some infections can increase the possibility of HIV transmission. Unfortunately, sexually transmitted infections do not always have clinically expressed symptoms and are often recognized when there are already disorders of the reproductive system. All of the above determines the need to study this pathology by doctors of all specialties.

**Goals and objectives of the class:**

**Learning goals**

To know the etiology, pathogenesis, classification, diagnostics and the clinical course of inflammatory diseases of specific etiology: gonorrhoea, trichomoniasis, tuberculosis, bacterial vaginosis, candidiasis, Chlamydia infection, mycoplasmosis, genital herpes, human papillomavirus (HPV) infection.

To study principles of treatment and prevention of specific etiology inflammatory diseases. Rehabilitation of women after the diseases suffered.

**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:**

* etiology, pathogenesis, classification, diagnostics and the clinical course of inflammatory diseases of specific etiology: gonorrhoea, trichomoniasis, tuberculosis, bacterial vaginosis, candidiasis, Chlamydia infection, mycoplasmosis, genital herpes, human papillomavirus (HPV) infection;
* principles of treatment and prevention of specific etiology inflammatory diseases. Rehabilitation of women after the diseases suffered;
* prevention of inflammatory diseases of the female genital organs;

**be able to:**

* carry out objective gynecological examination of a patient with a specific inflammatory disease of the genitals;
* chart a survey plan for patient with a specific inflammatory disease of the genitals;
* interpret the results of clinical and laboratory examination of patient with STD and make a diagnosis;
* assess the effects of sexually transmitted diseases on reproductive health of women.

**practice:**

* basic techniques for examining patients with a specific inflammatory disease of the genitals.

**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.

**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. Classification of STIs.

2. Classification, etiology, clinical features, diagnostics and treatment of gonorrhea.

3. Classification, etiology, clinical features, diagnostics and treatment of chlamydia.

4. Classification, etiology, clinical features, diagnostics and treatment of myco- and ureaplasmosis.

5. Classification, etiology, clinical features, diagnostics and treatment of trichomoniasis.

6. Classification, etiology, clinical features, diagnostics and treatment of urogenital candidiasis.

7. Classification, etiology, clinical features, diagnostics and treatment of bacterial vaginosis.

8. Classification, etiology, clinical features, diagnostics and treatment of genital herpes.

9. Features of the clinical features, diagnostics and treatment of mixed infections.

10. Classification, etiology, clinical picture, diagnostics and treatment of papillomavirus infection.

11. Classification, etiology, clinical picture, diagnostics and treatment of tuberculosis of female genital organs.

12. Methods of prevention of STIs.

13. Medical rehabilitation of women who have had STIs.

**Practical part**

Solving clinical tasks – see the topic "Infections of the pelvic organs" 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 " Pelvic inflammatory diseases" (USR - 0.67 hours), see the link <https://do2.vsmu.by/mod/resource/view.php?id=92070>

Test " Specific pelvic inflammatory diseases" (USR - 0.67 hours), see the link <https://do2.vsmu.by/mod/quiz/view.php?id=92640>

**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