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:** Pediatric gynecology.

**Duration of the class:** 5 hours

**Authors:**

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Vitebsk, 2024 year

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

Pediatric gynecology is a section of gynecology that studies the normal function of the reproductive system and diseases of the girl's body associated with predominant damage to the organs of the reproductive system in childhood and adolescence, as well as measures to prevent and treat these diseases. Currently, the interest of doctors and parents in the issues of pediatric gynecology is growing due to the high level of gynecological diseases among girls (10-12%). Doctors of almost all specialties are faced with the need to solve issues of preventing disorders of the reproductive function of women long before the onset of puberty.

**Goals and objectives of the class:**

**Learning goals**

To study the causes, classification, methods of diagnosis and treatment of sexual development disorders.

To know the etiology and pathogenesis, classification, methods of diagnostics, clinical manifestations, correction methods of congenital malformations of female genital organs.

To study etiopathogenesis, classification, methods of diagnosis, clinical manifestations, methods of treatment, prevention of inflammatory diseases of the genital organs in childhood and adolescence.

To study the diagnosis and treatment of benign tumors in childhood and adolescence, genital injuries.

**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:**

* etiology, pathogenesis, classification, methods of diagnosis and treatment of sexual development disorders;
* classification, methods of diagnostics, clinical manifestations, correction methods of congenital malformations of female genital organs;
* methods of diagnosis, treatment of traumas of genital tract;
* classification, methods of diagnosis, treatment, prevention of inflammatory diseases of the genital organs in childhood and adolescence;
* features of clinical signs, diagnosis and treatment of benign tumors in childhood and adolescence;
* features of contraception in adolescence;

**be able to:**

* chart a survey and treatment plan for patient with different forms of sexual development disorders;
* interpret the results of the examination of girls for diagnosis and treatment;
* prevent inflammatory diseases of the genital organs in childhood and adolescence;
* choice of contraceptive method for adolescent girls.

**practice:**

* basic techniques for examining patients with gynecological diseases of the genital organs in childhood and adolescence.

**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. Examination and palpation of mammary glands.

**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. Sexual development disorders: classification.

2. Pubertasprecox (macrogenitosomia): etiology and pathogenesis, methods of diagnostics. Principles of treatment.

3. Sexual development retardation: etiology and pathogenesis, methods of diagnostics. Principles of treatment.

4. Absence of sexual development: etiology and pathogenesis, methods of diagnostics. Principles of treatment.

5. Congenital malformations of female genital organs: etiology and pathogenesis, classification, methods of diagnostics, clinical manifestations, correction methods.

6. Traumas of genital tract.

7. Inflammatory diseases in childhood and adolescence: etiology and pathogenesis, classification, methods of diagnostics, clinical manifestations, treatment methods, prevention.

8. Benign tumors in childhood and adolescence.

**Practical part**

Solving clinical tasks – see the topics «Pediatric gynecology» 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)

**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