

**Odesa National Medical University**  
**Department of Normal and Pathological Clinical**  
**Anatomy**

**Syllabus course**  
**"MORPHOLOGICAL DIAGNOSTICS IN**  
**OBSTETRICS AND GYNECOLOGY"**

<b>Amount</b>	4 credits / 120 hours
<b>Semester, year teaching</b>	IV -st semester, 2 year teaching
<b>Days, time, place</b>	According to the schedule in the classroom of the department of normal and pathological clinical anatomy. Valikhovskyi Lane, 3
<b>Teacher (-and)</b>	1. Sytnikova Varvara Oleksandrivna, MD, professor, doctor of the highest category; +38-067-450-41-10; <a href="mailto:patanonmedu@ukr.net">patanonmedu@ukr.net</a> 2. Lytvynenko Marianna Valeriyvna, PhD, associate professor, doctor of the highest category; +38-066-754-55-26; <a href="mailto:prozektor777@gmail.com">prozektor777@gmail.com</a> 3. Olyinyk Nina Mykolayivna, PhD, associate professor, doctor of the highest category; ; +38-067-994-37-04; <a href="mailto:ninao-leynik46@gmail.com">ninao-leynik46@gmail.com</a> 4. Narbutova Tamara Yevgenivna, PhD, assistant + 38-096-998-02-38; <a href="mailto:t.narbutova@ukr.net">t.narbutova@ukr.net</a>
<b>Contact phone</b>	(048) 728-54-17
<b>E-mail</b>	<a href="mailto:anatomy@onmedu.edu.ua">anatomy@onmedu.edu.ua</a> <a href="mailto:patanonmedu@ukr.net">patanonmedu@ukr.net</a>
<b>working place</b>	Office professor of the department of normal and pathological clinical anatomy. Valikhovskyi Lane, bldg. 3., 2nd floor
<b>Consultations</b>	<i>Face-to-face consultations</i> : Thursday - from 2:00 p.m. to 4:00 p.m.; Saturday - from 9:00 a.m. to 13.00 <i>Online consultations:</i> Thursday - with 14.00 to 16.00; Saturday -with 9.00 to 13.00 <i>Microsoft Teams</i> or by <i>Telegram/Viber/ Zoom/WhatsApp</i>

**COMMUNICATION**

Communication with graduate students is carried out by eye meetings. In case transition on remote teaching communication with graduate students will be to be carried out by help E-mail of the department: [anatomy@onmedu.edu.ua](mailto:anatomy@onmedu.edu.ua), as well as using messenger programs: Microsoft Teams, Moodle, Telegram, Viber and Zoom and through the websites [www.anatom.in.ua](http://www.anatom.in.ua) , <https://anatom.ua>/<https://meduniver.com/Medical/Anatom> .

## **ANNOTATION COURSE**

### ***Subject study disciplines***

The subject of study of the educational discipline "Morphological diagnostics in obstetrics and gynecology" there are characteristic changes at the organ, tissue, cellular, ultrastructural, and antigenic levels that are observed in degenerative, inflammatory, dysplastic, and tumor diseases, as well as malformations in obstetrics and gynecology.

### ***Prerequisites and post-requisites course (Place disciplines in educational program)***

Study educational disciplines "Morphological diagnostics in obstetrics and gynecology" is based on the study by the acquirers of the previous ones (providers) disciplines, namely: normal and pathological clinical anatomy, histology, cytology and embryology, clinical chemistry, general and clinical pathological physiology, microbiology, virology and immunology, pharmacology, general pharmacy and clinical pharmacology, propaedeutics of internal diseases and therapy, infectious diseases, family medicine, phthisiopulmonology, internal medicine, which involves integration with these disciplines and forming the ability to apply knowledge in the process of further education and professional activity. At the same time, studying this discipline provides in-depth training graduate students and acquirers to mastery specialty "Obstetrics and gynecology".

### ***Goal course***

The purpose of the selective educational discipline "Morphological diagnostics in obstetrics and gynecology" is to train specialists who are able to solve complex problems competently in the field of professional and research innovative activities when planning and performing their own research and training doctors of philosophy for the qualitative performance of functional duties, related to the diagnosis of pathological processes. To do this with the use of modern methods of immunohistochemical diagnostics, which will allow to choose adequate methods of treatment and reduce the frequency or prevent the occurrence of unwanted complications during treatment, will improve the quality of life.

### ***Task disciplines:***

- provision of knowledge to the applicants of the Doctor of Philosophy degree regarding the varieties of methods of morphological diagnosis, determination of the mechanisms of development of pathological conditions;
- provision of knowledge about the signs of inflammatory, dysplastic and tumor diseases in obstetrics and gynecology to those obtaining the degree of Doctor of Philosophy;
- provision of knowledge about possible iatrogenic pathology to those obtaining the degree of Doctor of Philosophy.
- formation of the ability to improve and develop one's own intellectual and general cultural level
- providing PhD candidates with in- depth knowledge and systematic understanding of the subject area in the direction and topic of scientific research in the field of medicine.
- formation of the ability to choose methods and criteria for evaluating researched phenomena and processes in obstetrics and gynecology in accordance with the goals and objectives of the scientific project.

- formation of the ability to determine the need for additional knowledge in the field of scientific research, formulate research questions, generate scientific hypotheses in the field of obstetrics and gynecology.
- formation of skills for publicizing the results of scientific research in oral and written form in accordance with national and international standards.

### **Learning outcomes for the discipline.**

*A graduate student (applicant) should know:*

- Classification and mechanisms of pathological conditions in obstetrics and gynecology;
- Methods of morphological diagnosis of pathological conditions in obstetrics and gynecology;
- Immunohistochemical diagnosis of pathological conditions in obstetrics and gynecology;

*A graduate student (applicant) must be able to:*

- independently process material for diagnosis;
- fill out medical documentation according to the received material;
- know the morphological signs of pathological processes;
- describe the material obtained for diagnosis;
- perform microscopic diagnostics according to established standard;
- draw conclusions based on macro-microscopic research;
- demonstrate academic integrity and act responsibly regarding the reliability of the obtained scientific results.

## **DESCRIPTION COURSE**

### ***Forms and methods teaching***

The course is taught in the form of seminar classes (60 h.) and by organization independent works graduate students (60 hours); all together – 120 hours (4 credits). The teaching of the selective educational discipline "Morphological diagnostics in obstetrics and gynecology" *in practical classes* is provided by methodical developments for each practical class, visual teaching aids for each class (presentations, video lectures), the information resource of the department, structured algorithms for skill control.

*Independent work* in the study of a selective educational discipline is ensured by methodical developments for independent work, visual teaching aids (video lectures, presentations), information resource of the department, topics of independent work, structured algorithms of skill control.

*Final control* is not carried out, the study of the discipline ends with a test at the last practical lesson.

Study disciplines is realized based on the following teaching methods:

- by dominant means teaching: verbal, visual;
- solving of clinical problems-tasks;
- blitz survey;
- group discussions with problematic situations (emissions of consiliums);

- implementation written tasks;
- individual control interview;
- situational task ("case method");
- implementation of individual clinical and diagnostic research;
- problematic method teaching, which targeted on formation in listeners capabilities to dialogue and skill defend own own opinion;
- method training "cerebral assault", which prompts listeners show your mouth is full approach and find alternative methods solution proposed tasks by free expression thoughts

### ***Content educational disciplines***

*Content module No. 1. Morphological diagnosis of gynecological diseases.*

**Topic 1. Inflammatory processes of the female genital organs. Factors affecting their occurrence.** Pathological conditions of the vulva. Pathological conditions of the vagina. Pathological conditions of the cervix. Endometriosis and adenomyosis. Pathological conditions of the fallopian tubes and the broad ligament of the uterus. Ovarian disease. Dyshormonal conditions of the uterus. Dyshormonal conditions of the cervix. Papillomavirus infection. Tuberculosis of the female genital organs. Syphilis of the female genital organs.

**Topic 2. Dysplastic and tumor processes of female genital organs.** Cervical tumors. Pathological conditions of the uterus. Epithelial tumors of the uterine body. Mesenchymal tumors of the uterine body. Ovarian tumors. Polyps of the body and cervix.

*Content module #2. Morphological diagnosis of obstetric pathology.*

**Topic 3. Placenta pathology.** Pathology of the placenta, membranes, umbilical cord. Defects in litter development. Inflammatory processes of litter. Litter tumors. Placental polyp.

**Topic 4. Preeclampsia.** Gestasis of pregnant women. Childbirth and obstetric trauma .

**Topic 5. Gestational trophoblastic disease.** Gestational trophoblastic disease.

**Topic 6. Obstetric infection of the uterus.** Obstetric infection. Spontaneous abortion. Premature birth.

**Topic 7. Ectopic pregnancy.** Ectopic pregnancy. In vitro fertilization.

**Topic 8. Amniotic fluid embolism, air embolism.** Asphyxiation of the fetus in . Fetal retardation syndrome. Cytologist diagnosis of diseases of female genital organs. Rules for taking material for histological and cytological diagnosis of diseases of the female genital organs. Peculiarities of morphological research. Preparation for credit class.

**Topic 9. Control of practical skills and theoretical knowledge.** Credit class. Final control of mastering the discipline.

### ***List recommended literature:***

#### **Main (basic):**

1. Atlas of micropreparations in pathomorphology / I.I. Starchenko, B.M. Filenko, N.V. Royko, etc.; VDZU "UMSA". - Poltava, 2018. - 190 p

2. Bodnar Ya. Ya. Pathomorphology. Special pathomorphology: teaching. manual for the 4th level of accreditation of the State Medical University - Ternopil, 2021. - 452 p.
3. General pathomorphology / I.I. Starchenko, N.V. Royko, B.M. Filenko [et al.] – Poltava, 2016. – 136 p.
4. Zerbino D. D. Pathomorphology and histology: an atlas / D. D. Zerbino, M. M. Bagrii, Y. Ya. Bodnar, V. A. Dibrova. – Vinnytsia: Nova Kniga, 2016. – 800 p.
5. The basics of pathology according to Robbins: in 2 volumes. Volume 1 / Vinay Kumar, Abul K. Abbas, John C. Astaire; translation of the 10th Eng. edition. Publisher: All-Ukrainian specialized publication "Medicine" - XII. – 2019. – 936 p.
6. Pathomorphology: national. / V.D. Markovskiy, V.O. Tumanskiy, I.V. Sorokina [and others]; edited by V.D. Markovsky, V.O. Tumanskiy. - K.: VSV "Medicine", 2015. - 936p.
7. Ctarchenko I.I. Special pathomorphology (basic course) for students of medical faculties of higher medical educational institutions of III-IV accreditation levels / I.I. Starchenko, N.V. Royko, B.M. Filenko. – Poltava, 2017. – 174 p.
8. Tuffaha S. A. Muin Immunohistochemistry in tumor diagnostics / S. A. Tuffaha Muin, S. G. Hychka, Husky Hans. – "Book Plus", 2018. – 336 p..
9. Oxford Textbook of Medicine. Vol.1 / ed. by DA Warrell, TM Cpx, JD Firth. - 5th ed. - Oxford University Press, 2010.

### **Additional**

1. Medical principles of recognizing the pathology induced by the factors of the Chernobyl disaster, to establish the fact of disability / Tereshchenko V.P., Degtyareva L.V., Segeda T.P [etc.] ; under the editorship doctor of medical sciences, professor V. P. Tereshchenko. - K.: Medinform, 2005. - 160 p.
2. Pathomorphology. Atlas: education. manual / V.O. Sytnikova, V.O. Ulyanov. – Odesa: ONMedU, 2012. – 88p

## **9. Information resources**

1. National Scientific Medical Library of Ukraine <http://library.gov.ua/>
2. National Library of Ukraine named after V.I. Vernadsky <http://www.nbuv.gov.ua/>

## **EVALUATION**

**Current CONTROL.** Evaluation of the success of studying the subjects of the discipline "Morphological diagnosis in obstetrics and gynecology" is carried out according to the traditional 4-point traditional scale on seminary classes in accordance to formulated tasks with each topics At assessment educational activity is provided advantage standardized methods control: orally survey, structured in writing robots discussions, reports. current progress is calculated as average current mark, i.e average arithmetic everyone received graduate student (acquirer) evaluations by traditional scale, rounded to whole number

Assessment current control with disciplines:

The meaning of the "**excellent**" grade: the graduate student shows special creative abilities, can independently acquire knowledge, without help teacher finds and

processes the necessary information, knows how to use the acquired knowledge and skills for solution tasks capable to produce innovative methods solution problems convincingly argues answers independently reveals own gifting and inclines.

Value evaluations "**good**": postgraduate free owns learned volume material, applies him on practice, free solves exercises and tasks in in standard situations, independently corrects the mistakes made, the number of which insignificant.

Value evaluations "**satisfactory**": postgraduate capable master significant part of the theoretical material, but mainly in a reproductive form, demonstrates knowledge and understanding of the main provisions, with the help of the teacher can analyze educational material, correct mistakes, among whose is significant the number of significant.

Value evaluations "**unsatisfactory**": postgraduate owns material on levels individual fragments that constitute insignificant part educational material.

### ***Forms and methods final control***

The study of the educational discipline "Morphological diagnostics in obstetrics and gynecology" is completed by the final control in the form of a credit. Only those graduate students (seekers) who do not have academic debt, namely missed practical classes or have completed missed classroom classes and have an average grade of at least 3.00, receive credit.

### ***Independent work***

Assessment independent works graduate students and acquirers, which provided in topics near with auditorium work is carried out under time current control of the topic in the corresponding classroom session.

### **POLICY COURSE ("rules games")**

#### ***Policy of deadlines and rearrangement***

Task necessary perform in time according to the deadline By untimely implementation task postgraduate receives unsatisfactory assessment If getter of higher education was absent from classes for any reason, then practice is carried out within the deadlines set by the teacher in accordance with the "Regulations on organization of the educational process at ONMedU" (link to the regulations on the website of the University <https://onmedu.edu.ua/wp-content/uploads/2020/01/osvitnij-process.pdf>). Rearranging is carried out in accordance to approved graphics

#### ***Policy of academic integrity***

The policy of the educational component is based on the principles of the academic one integrity (link to the regulations on the university 's website <https://onmedu.edu.ua/wp-content/uploads/2020/07/polozhennja-pro-dobrochesnist.pdf>) and is defined system requirements, which teacher presents too of the acquirer at studies educational component:

- ♦ independent implementation educational tasks, tasks current and final control of learning results (for persons with special educational needs this one requirement is applied with taking into account their individual needs and opportunities);
- ♦ references to sources of information in the case of using ideas, developments, statements information

#### ***Policy of visiting and delays***

To get a satisfactory assessment is mandatory and work in classroom classes (seminar classes). The lateness of the graduate student is allowed not more than by 10 minutes

***Mobile devices***

The use of mobile devices is allowed in class with permission teacher

***Behavior in audience***

Under time finding in audience have to cultivate such values: respect for colleagues; tolerance for others; receptivity and impartiality; argumentation of agreement or disagreement with the opinion of other participants in the discussion, as well as own thoughts; worship dignity personality opponent/s under time communication; compliance ethics academic relationship