

**MINISTRY OF HEALTH PROTECTION OF UKRAINE  
ODESSA NATIONAL MEDICAL UNIVERSITY**

**Faculty of dentistry, international**

**Therapeutic Dentistry Department  
Course syllabus  
"Dental manifestations of endocrine diseases"  
(optional component)**

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| <b>Institution of higher education, faculty, department</b> | ODESSA NATIONAL MEDICAL UNIVERSITY<br>Faculty of dentistry, international<br>Therapeutic dentistry department   |
| <b>The name of the academic discipline</b>                  | Course "Dental Manifestations of Endocrine Diseases"<br>(optional component)  |
| <b>Scope of the academic discipline</b>                     | Total number of hours per discipline: 45 hours/ 1.5 credits.<br>Semester VI, 3rd year of study  |
| <b>Days, time, place of educational discipline</b>          | According to the schedule of classes, Therapeutic Dentistry Department,<br>str. Torgova, 15; St. Pishonivska, 1.  |
| <b>Teacher(s)</b>   | Chief department, prof. V.Y. Skyba, docents : N.A. Ivchenko,<br>A.O. Sedletska, O.I. Aksinorska, L.V. Honcharuk, O.M. Zherebko, S.M.<br>Koval, O.M. Davidenko, O.V. Honcharenko, I.V. Gerasymova,<br>assistants: E.O. Strochenko, S.V. Dizik, O.G. Tsybaliuk  |
| <b>Contact Information</b>                                  | Head of the department, prof. Vasyl Yakovych Skiba,<br>mobile: 0505523250<br>terstomonmedu@gmail.com<br>Therapeutic Dentistry Department, str. Torgova, 15; St. Pishonivska, 1.<br><i>Every Wednesday:</i> from 14.30 to 16.00 and <i>on Saturdays:</i> from 8.30 to<br>13.00, within the academic semester. During the winter holidays: daily<br>from 8.30 to 13.00. |

## **COMMUNICATION**

Communication with applicants is carried out in classrooms (face-to-face) according to the schedule in classrooms and auditoriums. In the case of distance learning, communication can take place online on the Microsoft Teams platform according to the class schedule, as well as through e-mail correspondence, Viber messengers (through groups created in Viber for each group, separately through the head of the group).

### **COURSE ANNOTATION**

**The subject of study of** the selective component is etiology, pathogenesis, diagnosis, differential diagnosis, clinic, treatment and prevention of manifestations of endocrine diseases in the oral cavity.

**Course prerequisites:** The study of the program is based on the knowledge previously acquired by students in human anatomy, histology, embryology and cytology, medical physics, medical chemistry, Latin language, philosophy, foreign language, physiology, pharmacology, clinical immunology, surgical dentistry, orthopedic dentistry, pediatric dentistry age, orthodontics.

**Post-requisites of the course:** The knowledge gained by students will contribute to the assimilation of issues of etiology, pathogenesis, diagnosis, differential diagnosis, clinic, treatment

and prevention of manifestations of endocrine diseases in the oral cavity. The use of modern equipment and professional language in the work allows participation in scientific and practical conferences, internships, including abroad.

**The purpose of studying the discipline** "Dental Manifestations of Endocrine Diseases" is the formation of students' theoretical knowledge, practical skills and abilities regarding the diagnosis, treatment, and prevention of manifestations of endocrine diseases in the oral cavity.

**Tasks of the discipline:** To form students' professional knowledge and skills in diagnosis, treatment and prevention of clinical manifestations of endocrine diseases in the oral cavity

**Expected results:** As a result of studying the optional component "Dental manifestations of endocrine diseases", the student has to **know**:

- Main clinical syndromes in endocrinological diseases;
- General and "alarming" symptoms in endocrine diseases;
- Clinical and additional methods of examination of patients with endocrine pathology;
- Pathogenesis of the development of endocrine diseases;
- The main clinical manifestations of diseases of the endocrine system in the cavity mouth;
- Tactical algorithm of actions when detecting manifestations of endocrine diseases systems in the oral cavity;
- Prevention of endocrine diseases.
- Algorithm for symptomatic therapy of manifestations of endocrine diseases in the oral cavity.

**The student must be able to:**

- Evaluate diagnostic information using standard procedure, based on laboratory and instrumental results of research
- Identify the leading clinical symptom or syndrome.
- Establish the most likely or syndromic diagnosis disease.
- Diagnose clinical manifestations of endocrine diseases in the oral cavity.
- Determine patient management tactics.
- Assign consultations of relevant specialists.
- Carry out symptomatic treatment of clinical manifestations of endocrine diseases in the oral cavity.
- Demonstrate mastery of moral and deontological principles of a medical specialist and the principles of professional subordination to therapeutic reception.

### **DESCRIPTION OF THE EDUCATIONAL DISCIPLINE**

The course includes seminar classes (16 hours), organization of students' independent work (29 hours).

Teaching takes place in the form of a lecture, Power Point demonstration and explanation, conversation, analysis of new information. During the seminar classes, a theoretical survey, solution of situational tasks, compilation of diagnostic and therapeutic search algorithms are conducted. Consultations are planned according to the schedule.

Content of the academic discipline:

**Chapter 1.** "Dental manifestations of endocrine diseases. Etiology, pathogenesis, clinic, diagnosis, prevention, doctor's tactics»:

Topic 1. Diabetes. Etiology. Pathogenesis. Clinic. Diagnostics. Clinical manifestations in the oral cavity.

Topic 2. Diabetes. Chronic complications. Tactics of a dentist.

Topic 3. Diseases of the thyroid gland. Diffuse toxic goiter. Hypothyroidism. Clinical manifestations in the oral cavity. Tactics of the doctor.

Topic 4. Diseases of the adrenal glands. Acute and chronic adrenal insufficiency.

Topic 5. Diseases of the hypothalamic-pituitary region. Itsenko-Cushing's disease. Diabetes

insipidus. Acromegaly. Clinical manifestations in the oral cavity. Tactics of a dentist.

List of recommended literature:

**List of recommended literature:**

**Basic (basic)**

1. Endocrinology: a textbook (P.M. Bodnar, G.P. Mikhalchyshyn, Y.I. Komisarenko, etc.) Edited by Professor P.M. Bodnara, - Ed. 4, processing. and additional – Vinnytsia: Nova Kniga, 2017. – 456 p.
2. Therapeutic dentistry: Textbook for students of the stomatological faculty of higher educational institutions of the IV level of accreditation / Edited by Anatoliy Nikolishin - ed. 2nd, corrected and supplemented. – Vinnytsia: Nova kniga, 2012. – 680 p.
3. Dental diseases: therapeutic stomatology, ed. prof. Borysenko A.V. - K.: Medicine, 2017. - 664 p.
4. Emergency medicine, . Under the editorship prof..I.S.Zozuli, Kyiv, Medical University "Medicine" - 2012.-727p.
5. Pharmacotherapy of diseases of the mucous membrane of the oral cavity and tissues

**Additional:**

1. Danylevskiy M.F. Therapeutic dentistry Volume 4. Diseases of the mucous membrane of the oral cavity 2010.
2. Kalyuzhna L.D., Biloklytska G.F. Diseases of the skin of the face, the mucous membrane of the oral cavity and the red border of the lips. Tutorial. - K.: Gramota, 2007. -280p.
3. Petrushanko T.O., Ostrovska L.Y., Ilenko N.M. Clinical practice in therapeutic stomatology: Study guide / T.O. Etrushanko, L.Y. Ostrovska, N.M. Ilenko. - Kyiv: "Center for Educational Literature", 2019. - 259 p.
4. Information and educational environment info.onmedu.edu.ua

**13. Електронні інформаційні ресурси**

1. <http://moz.gov.ua> – Міністерство охорони здоров'я України
2. [www.ama-assn.org](http://www.ama-assn.org) – Американська медична асоціація / American Medical Association
3. [www.dec.gov.ua/mtd/home/](http://www.dec.gov.ua/mtd/home/) - Державний експертний центр МОЗ України

**EVALUATION**

*Forms and methods of current control: the department of therapeutic dentistry uses various forms of control of classes in a certain educational discipline (oral, written, combined, testing, survey), practical (working with a patient, working on a phantom), assessment of communication skills and activity in class and during the role play, evaluating the interpretation of the results of clinical, laboratory and instrumental research.*

**Current evaluation criteria in practical training**

| Score          | The structure of assessment of the current educational activity of one seminar session   |
|----------------|--|
| Perfectly "5"  | The student has a fluent command of the material, takes an active part in the role play, confidently demonstrates practical skills during the examination of a healthy and sick child and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the subject of the lesson, demonstrates clinical thinking. |
| Good «4»       | The winner has a good command of the material, takes part in a role-playing game, demonstrates practical skills during the examination of a healthy and sick child and the interpretation of clinical, laboratory and instrumental research data with some errors, expresses his opinion on the subject of the lesson, demonstrates clinical thinking.   |
| Satisfactorily | The applicant does not have sufficient knowledge of the material, takes part in the role play without confidence, demonstrates practical skills during the   |

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| "3"                  | examination of a healthy and sick child and the interpretation of clinical, laboratory and instrumental research data with significant errors.  |
| Unsatisfactorily "2" | The applicant does not possess the material, does not take part in the role play, does not demonstrate practical skills during the examination of a healthy and sick child and the interpretation of clinical, laboratory and instrumental research data. |

*Forms and methods of final control:* credit, issued to the applicant who completed all sections of the educational program of the selected discipline, took an active part in seminars, has an average current grade of at least 3.0 and has no academic debt.  
Possibility and conditions of obtaining additional (bonus) points: not provided.

### ***INDEPENDENT WORK OF HIGHER EDUCATION ACQUIRES***

*The independent work of students* is regulated by the curriculum and is carried out by the applicants independently according to calendar and thematic plans, it is carried out in the form of classroom and out-of-classroom work. The quality control of the independent work of the applicants is carried out at seminar classes and during the assessment.

#### ***POLICY OF EDUCATIONAL DISCIPLINE***

*Deadlines and Rescheduling Policy:*

- *Absences of classes for non-respectable reasons are worked out according to the schedule of the teacher on duty.*

- *Absences due to valid reasons are processed according to an individual schedule with the permission of the dean's office.*

*Academic Integrity Policy:*

*Applicants must observe academic integrity, namely:* independent performance of all types of work, tasks, forms of control provided for by the work program of this educational discipline;

- references to sources of information in the case of using ideas, developments, statements, information;
- compliance with the legislation on copyright and related rights;
- provision of reliable information about the results of one's own educational (scientific) activity, used research methods and sources of information.

Unacceptable in educational activities for participants of the educational process are:

- using family or official ties to obtain a positive or higher grade during any form of control of learning outcomes or academic performance;
- use of prohibited auxiliary materials or technical means (cheat sheets, notes, micro-earphones, telephones, smartphones, tablets, etc.) during control measures;
- passing procedures for control of training results by fake persons.

For violation of academic integrity, students may be held to the following academic responsibility:

- a decrease in the results of assessment of control work, assessment in class, credit, etc.;
- retaking the assessment (control work, credit, etc.);
- appointment of additional control measures (additional individual tasks, control works, tests, etc.);
- conducting an additional inspection of other works authored by the violator.

*Attendance and Tardiness Policy:*

Uniform: a medical gown that completely covers the outer clothing, or medical pajamas, a cap, a mask, and a change of shoes.

Equipment: notebook, pen.

State of health: applicants suffering from acute infectious diseases, including respiratory diseases, are not allowed to attend classes.

A student who is late for class can attend it, but if the teacher has put "nb" in the journal, he must complete it in the general order.

*Use of mobile devices:*

Mobile devices may be used by students with the permission of the instructor if they are needed for the assignment.

*Behavior in the audience:*

The behavior of applicants and teachers in the classrooms must be working and calm, strictly comply with the rules established by the Regulations on academic integrity and ethics of academic relations at Odessa National Medical University, in accordance with the Code of Academic Ethics and University Community Relations of Odessa National Medical University, Regulations on Prevention and detection of academic plagiarism in research and educational work of students of higher education, scientists and teachers of Odessa National Medical University