

Odessa National Medical University

Faculty of Dentistry

Therapeutic Dentistry Department

Syllabus course

"Propaedeutics (Introduction) of therapeutic dentistry"

Institution of higher education, faculty, department	ODESSA NATIONAL MEDICAL UNIVERSITY Faculty of dentistry, international Therapeutic dentistry department
The name of the academic discipline	Course "Propaedeutics of therapeutic dentistry"
Scope of the academic discipline	Total number of hours per discipline: 90 hours/ 3.0 credits. Semester IV 2 year of study
Days, time, place of educational discipline	According to the schedule of classes, Therapeutic Dentistry Department, str. Torgova, 15; St. Pishonivska, 1.
Teacher(s)	Chief department, prof. V.Y. Skyba, docents : N.A. Ivchenko, A.O. Sedletska, O.I. Aksinorska, L.V. Honcharuk, O.M. Zhrebko, S.M. Koval, O.M. Davidenko, O.V. Honcharenko, I.V. Gerasymova, assistants: E.O. Strochenko, S.V. Dizik, O.G.Tsymbaliuk
Contact Information	Head of the department, prof. Vasyl Yakovych Skiba, mobile: 0505523250 terstomonmedu@gmail.com Department of Therapeutic Dentistry, str. Torgova, 15; St. Pishonivska, 1. <i>Every Wednesday:</i> from 14.30 to 16.00 and <i>on Saturdays:</i> from 8.30 to 13.00, within the academic semester. During the winter holidays: daily 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 discipline

Propaedeutics of therapeutic dentistry is an educational discipline that enables students to master the necessary theoretical knowledge and learn practical skills of preparing and filling carious cavities, root canals on phantoms and imitators, using modern filling materials, dental tools. To study the issues of ethics and deontology. Get acquainted with the organization of the work of the dental clinic. The acquired theoretical knowledge and practical skills in propaedeutics of therapeutic dentistry will significantly help students in their studies in the following courses.

Course prerequisites: The study of the program is based on previously acquired knowledge of human anatomy, histology, embryology and cytology, medical physics, medical chemistry, Latin language, philosophy, foreign language.

Post-requisites of the course: The study of previous disciplines is integrated with the study of physiology, pharmacology, clinical immunology, therapeutic dentistry, surgical dentistry, orthopedic dentistry, pediatric dentistry, orthodontics. The knowledge gained by the students will contribute to the qualitative mastery of practical skills, the use of modern equipment, professional language in the work, allow them to participate in scientific and practical conferences, internships, including abroad.

The purpose of studying the discipline "Propaedeutics of therapeutic dentistry" is the formation of special (professional) competences for mastering the discipline "Therapeutic Dentistry" by students acquiring theoretical knowledge and practicing practical skills and abilities on phantoms and simulators.

Tasks of the discipline: To form professional knowledge and skills of the applicants (postgraduate students) in modern methods of diagnosis, treatment and prevention of caries complications (pulpitis and periodontitis).

Expected results: As a result of studying the academic discipline

"Propaedeutics of therapeutic dentistry" a student **has to know:**

- Organization of dental office work. Functions and duties of medical personnel.
- Principles of operation of dental equipment. Issues of ergonomics and safety technology.
- Dental instruments for examination and treatment of teeth, their purpose.
- Classification of carious cavities according to Black. Principles of preparation.
- Stages of preparation of carious cavities.
- Anatomy of permanent teeth. Histological structure of hard tooth tissues.
- Classification of sealing materials. Indications for use.
- Classification of endodontic instruments. Indications for use.
- Classification of sealing materials for root canals.
- Topography of the pulp chamber and root canals.
- Errors and complications during endodontic treatment. The student **must be able to:**
- Prepare carious cavities of classes I-V according to Black
- To fill carious cavities of classes I-V according to Black with various filling materials.
- Carry out medical treatment of carious cavities.
- Apply medical and insulating pads.
- Carry out grinding and polishing of seals.
- Open the pulp chamber.
- Conduct a pulpotomy.
- Carry out pulpectomy.
- Carry out instrumental and medicinal treatment of root canals

- Determine the working length of the tooth.
- Insulate seals from the action of saliva.
- Expand the root canal with different materials.
- To seal root canals with various materials and methods.
- Carry out quality control of obturation of root canals.

DESCRIPTION OF THE EDUCATIONAL DISCIPLINE

Forms and methods of education

The course includes practical classes (34 hours), lectures (16 hours), organization of students' independent work (40 hours).

Teaching takes place in the form of a lecture, Power Point demonstration and explanation, conversation, analysis of new information. During practical classes, a theoretical survey is conducted, test tasks are solved, situational tasks are performed, and practical skills are practiced on phantoms. Consultations are planned according to the schedule.

Teaching methods: conversation, role-playing, lectures, Power Point demonstrations and explanations, solving clinical situational problems, patient examination, instruction and practicing skills on phantoms, standardized hybrid dental patient.

Teaching takes place in the form of 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:

Section 1:

Topic 1. Introduction to the specialty. The purpose and objectives of the preclinical course.

Topic 2. Types of drills, dental chairs, principle of preparation. Issues of ergonomics and safety technology. Dental handpieces, their structure, principle of preparation. Types of damage, methods of elimination. Dental burs. Dental instruments for examination and treatment of teeth, their purpose. Sterilization.

Topic 3. Topographical anatomy of permanent and temporary teeth. Histology of hard tooth tissues. Classification of carious cavities according to Black. Principles of preparation. Stages of preparation of carious cavities. Purpose of the event. Tools.

Topic 4. Preparation of carious cavities of classes 1 and 5 according to Black.

Topic 5. Preparation of carious cavities of the 2nd class according to Black.

Topic 6. Preparation of carious cavities of the 3rd class according to Black. Preparation of carious cavities of the 4th class according to Black.

Topic 7. Sealing materials. Classification. Temporary filling materials. Composition, properties, method of use. Insulating and medical pads. Composition, properties, method of use.

Topic 8. Dental cements, types, properties. Indications for use. Preparation and sealing technique. Dental amalgams, types, properties. Indications for use. Cooking technique

Topic 9. Polymer filling materials. Composites. Types, properties. Indications for use. Grinding and polishing seals. Isolation of seals from saliva.

Topic 10. Endodontics as science and art. Anatomy and topography of the tooth cavity. Endodontic tools. Classification, design and purpose.

Topic 11. Method of dissection of the pulp horn and application of devitalizing paste. Dissection of the pulp chamber. Pulpotomy and pulpectomy.

Topic 12. Passage of a root canal. Tools. Determination of the working length of the tooth.

Topic 13. Chemical-instrumental treatment of the root canal. Conducting method. Means. Instrumental methods of root canal expansion. Expansion of root canals: chemical means. Impregnation processing methods.

Topic 14. Materials for filling root canals. Classification. General characteristics. The principle of choice. Sealing of root canals with cements. Sealing of root canals with plastic materials. Sealing

of root canals with pins: gutta-percha monopin, polymer and metal pins.

Topic 15. Cold lateral condensation of gutta-percha. Hot vertical and lateral condensation of gutta-percha. Obturation of root canals with heated gutta-percha: gutta-percha obturators, injection methods, gutta condenser. Test control.

Topic 16. Complications of endodontic treatment. Device for removing tool fragments from root canals. Quality control of obturation of root canals. Rearrangement of test control.

Topic 17. Differentiated credit.

List of recommended literature:

Main (basic):

1. Therapeutic stomatology: 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.

2. Therapeutic dentistry: In 4 vols. — Vol. 2. Caries. Pulpit. Periodontitis. Oral sepsis: Textbook for students. stomatal f-tiv honey. ZVO — 3rd edition. Recommended by the Ministry of Health / Ed. A.V. Borysenko — K., 2020. — 592 p.

3. Dental diseases: therapeutic stomatology, ed. prof. Borysenko A.V. - K.: Medicine, 2017. - 664 p.

4. Pharmacotherapy of diseases of the mucous membrane of the oral cavity and periodontal tissues. edited by Prof. Borysenko A.V. - K.: Medicine, 2018. - 504 p.

5. Bidenko N.V., Borysenko A.V., Vasylychuk O.V. etc.. Algorithms for performing dental and medical manipulations for preparation for the State certification of students of the 5th year in the specialty "Dentistry". - Kyiv: Kniga-plus, 2017. - 455 p.

Additional

1. Pavlenko O.V., Belychenko Yu.M., Volosovets T.M., Al-Alavny S.V. – Handbook of endodontics: a textbook for medical universities/ Ed. Prof. O.V. Pavlenko. Simferopol: N. Orianda, 2010. – 326p.

2. Therapeutic stomatology: equipment and tools: training manual / V.I. Gerelyuk, N.V. Neiko, V.V. Materynskyi, O.P. Kobrin. – Ivano-Frankivsk, 2012. – 95 p.

3. Modern filling materials and methods of their use in therapeutic dentistry: [teaching manual] / G.F. Biloklytska, O.V. Asharenkova, O.V. Kopchak - K.: Publishing House "Askania", 2013. - 143 p.

4. Clinical pharmacology and pharmacotherapy in dentistry: Education. manual for honey universities, institutes, acad. — 2nd edition. Recommended by the Academic Council of the NMAPO named after P.L. Shupyka / Mazur I.P., Haytovych M.V., Golopyho L.I. — K., 2019. — 376 p.

5. Petrushanko T.O., Ostrovska L.Y., Ilenko N.M. Clinical practice in therapeutic stomatology: Study guide / T.O. Petrushanko, L.Y. Ostrovska, N.M. Ilenko. - Kyiv: "Center for Educational Literature", 2019. - 259 p.

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 "3"	The applicant does not have sufficient knowledge of the material, takes part in the role play without confidence, demonstrates practical skills during the 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.

EDUCATIONAL DISCIPLINE POLICY

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