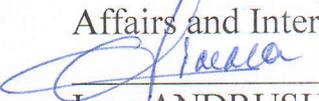


NATIONAL PIROGOV MEMORIAL MEDICAL UNIVERSITY, VINNYTSYA

«APPROVE»

Vice-Rector of HEI of Scientific-Academic
Affairs and International Relations

 professor of HEI

Inna ANDRUSHKO

“ 30 ” August 20 24 y.

«AGREE»

Head of Therapeutic Dentistry Department

 professor of HEI

Mariia SHINKARUK-DYKOVYTSKA

“ 26 ” August 20 24 y.

SYLLABUS
OF EDUCATIONAL DISCIPLINE
THERAPEUTIC DENTISTRY
(5 course)

Specialty	221 Dentistry
Educational level	Master
Educational program	EPP «Dentistry», 2022
Academic year	2024-2025
Department	Therapeutic Dentistry
Lecturer	Nataliia Gadzhula, Candidate of Medical Sciences, Associate Professor of HEI Anna Perlova, Candidate of Medical Sciences, Associate Professor of HEI
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Syllabus developer	Nataliia Gadzhula, Candidate of Medical Sciences, Associate Professor of HEI Lina Kovalchuk, Candidate of Medical Sciences, Associate Professor of HEI

1. Status and structure of the discipline

Discipline status	Obligatory
Discipline code in EPP / discipline place in EPP	OK 31 // discipline of professional training
Course, semester	5 course (IX and X semesters)
Scope of the discipline (total number of hours / number of ECTS credits)	270 hours / 9 credits ECTS
Number of content modules	6 modules
The structure of the discipline	Lectures – 20 hours Practical classes - 150 hours Independent work - 100 hours
Teaching language	English
Form of study	Full-time (or on-line by order)

2. Description of the discipline

Short annotation of the course, relevance

The subject of study of the discipline at this stage are the questions of etiology, pathogenesis, clinical manifestations of diseases of the oral mucosa, methods of treatment, as well as national and individual preventive measures.

The discipline is focused on gaining knowledge about the etiology, pathogenesis, clinical manifestations of diseases of the hard tissues of teeth, periodontium, oral mucosa, methods of treatment, as well as methods of prevention, skills of examination of dental patients, identification of leading syndromes and symptoms, justification and formulation of preliminary and the final diagnosis; treatment of diseases of the hard teeth tissues, periodontium, oral mucosa and their complications, primary and secondary prevention.

Prerequisite

- Human anatomy (clinical features of the structure of teeth, periodontium, oral mucosa and oral organs)
- Histology, cytology and embryology (histological features of the structure of teeth, periodontium, oral mucosa and oral organs, embryogenesis of oral organs)
- Bioorganic and biological chemistry (biochemical and biophysical processes in hard and soft tissues of the oral cavity)
- Pathological anatomy (pathomorphological signs of diseases of the oral cavity)
- Physiology (physiological processes occurring in the hard and soft tissues of the oral cavity, the transmission of pain impulse through the hard tissues of the tooth)
- Pathophysiology (pathological processes occurring in the hard and soft tissues of the oral cavity)
- Microbiology, virology and immunology (methods of microbiological research, microflora of the oral cavity in normal and in pathology)
- Clinical pharmacology (knowledge of drugs used in dentistry)
- Internal medicine (methods of examination of the patient, clinical signs of general somatic diseases which can have displays in an oral cavity, features of medical tactics concerning patients with general somatic pathology)
- Propaedeutics of therapeutic dentistry (questions of clinical features of teeth, tissues and organs of the oral cavity, organization and equipment of the dental office, principles, methods and stages of preparation of carious cavities of different localization, composition, properties and methods of dental fillings, endodontic treatment of the cavity canals, materials and methods of their filling).

The purpose of the course and its significance for professional activities

The purpose of teaching the discipline "Therapeutic Dentistry" in the fifth year of study is to train a dentist who can diagnose, prevent and treat diseases of the oral mucosa, as well as improve and systematize knowledge and skills in all areas of therapeutic dentistry.

- integral: IC: Specialized conceptual knowledge, which includes modern scientific achievements in the field of professional activity or field of knowledge and is the basis for original thinking and research, critical understanding of problems in the field and at the border of fields of knowledge.

- General competencies (GC):

GC1. Ability to abstract thinking, analysis and synthesis.

GC 2. Knowledge and understanding of the subject area and understanding of professional activity.

GC 3. Ability to apply knowledge in practice.

GC 6. Skills in the use of information and communication technologies.

GC 7. Ability to search, process and analyze information from various sources.

GC 8. Ability to adapt and act in a new situation.

GC 9. Ability to identify, pose and solve problems.

GC 10. Ability to be critical and self-critical.

GC 11. Ability to work in a team.

- special:

SC 1. Ability to collect medical information about the patient and analyze clinical data.

SC 2. Ability to interpret the results of laboratory and instrumental research.

SC 3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.

SC 4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region.

SC 5. Ability to design the process of providing medical care: to determine the approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.

SC 6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.

SC 7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.

SC 8. Ability to perform medical and dental manipulations.

SC 9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial region.

SC 12. Ability to organize and carry out screening examinations in dentistry.

SC 13. Ability to assess the impact of the environment on the health of the population (individual, family, population)

SC 14. Ability to maintain regulatory medical records.

Postrequisite

Therapeutic dentistry is a fundamental science that integrates with other dental disciplines, namely surgical, orthopedic, pediatric dentistry to develop the ability to apply the acquired knowledge in the process of further study of all clinical disciplines and in future professional activities.

3. Learning outcomes

Therapeutic dentistry as a discipline lays the foundation for the further formation of integrative final learning outcomes in accordance with the educational-professional program of the second (master's) level of knowledge _22 "Health" _, specialty _221 "Dentistry" _, educational program _ "Dentistry" _, namely:

PLO1. Identify the leading clinical symptoms and syndromes (according to list 1 - 3. 6. 8. 10. 13. 15. 17. 22. 23. 24. 27. 28. 33. 34. 40. 44. 48. 51. 52); according to standard methods, using preliminary history of the patient, examination of the patient, knowledge of the person, his organs and systems, to establish a probable nosological or syndromic preliminary clinical diagnosis of dental disease (according to list 2 - section 1 AB).

PLO2. Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, the condition of the maxillofacial area, based on the results of laboratory and instrumental studies to assess information about the diagnosis (list 5 - 6. 7. 11. 14).

PLO3. Prescribe and analyze additional (mandatory and optional) examination methods (laboratory, radiological, functional and / or instrumental) according to the list 5 - 6. 7. 11. 14 patients with diseases of organs and tissues of the oral cavity and maxillofacial region for performing differential diagnosis of diseases (according to the list 2, section 1 AB).

PLO4. Determine the final clinical diagnosis in accordance with the relevant ethical and legal norms, by making an informed decision and logical analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis under the supervision of a doctor in a medical institution (according to list 2.1, and namely 1, 2, 3, 4).

PLO5. To diagnose emergencies under any circumstances (at home, on the street, in a medical institution), in an emergency, martial law, lack of information and limited time (according to list 4 - 2. 8. 13. 18).

PLO6. Plan and implement measures for the prevention of dental diseases among the population to prevent the spread of dental diseases.

PLO7. Analyze the epidemiological situation and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases.

PLO8. Determine the approach, plan, type and principle of treatment of dental disease (according to the list 2, section 1 AB) by making an informed decision according to existing algorithms and standard schemes.

PLO9. To determine the nature of work, rest and the necessary diet in the treatment of dental diseases (according to the list 2, section 1 AB) on the basis of preliminary or final clinical diagnosis by making an informed decision according to existing algorithms and standard schemes.

PLO10. To determine the tactics of managing a dental patient with somatic pathology (according to list 3 - the entire section) by making an informed decision according to existing algorithms and standard schemes.

PLO11. To carry out treatment of the basic stomatologic diseases according to existing algorithms and standard schemes under the control of the doctor-head in the conditions of medical institution (according to the list 2.1, namely 1, 2, 3, 4).

PLO13. Determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances on the basis of a diagnosis of emergency in a limited time (according to list 4, namely 2, 8, 13, 18).

PLO15. Assess the impact of the environment on the health of the population in a medical institution by standard methods.

PLO19. Adhere to the requirements of ethics, bioethics and deontology in their professional activities.

PLO20. Organize the necessary level of individual safety (own and persons cared for) in case of typical dangerous situations in the individual field of activity.

PLO21. Perform medical manipulations on the basis of preliminary and / or final clinical diagnosis (according to list 2, section 1 AB, according to list 2.1, namely 1, 2, 3, 4) for different segments of the population and in different conditions (according to list 6 namely 4. 8. 9).

PLO22. Perform medical dental manipulations on the basis of preliminary and / or final clinical diagnosis (according to list 2, section 1 A, B, according to list 2.1, namely 1, 2, 3, 4) for different segments of the population and in different conditions (according to list 7, namely 2, 11, 13, 24, 29, 30, 33, 34, 46).

PLO23. Perform manipulations of emergency medical care, using standard schemes, under any circumstances on the basis of a diagnosis of emergency (according to list 4, namely 2, 8, 13, 18) for a limited time (according to list 6. namely 4. 8. 9, after list 7, namely 2. 3. 7, 11, 12, 13, 14, 16, 24, 29, 30, 31, 33, 34, 37, 38, 46).

Learning outcomes of the discipline:

At the end of the study discipline "Therapeutic dentistry" after the 5th year students *should know:*

- Clinical features of the anatomical and histological structure of the teeth, periodontium, mucous membranes and organs of the oral cavity
- Classification of diseases of the teeth, periodontium, oral mucosa
- The main methods of examination of dental patients
- Clinical signs of dental diseases
- The main clinical and biochemical indicators of the norm of biological fluids of the human body
- Principles of differential diagnosis of dental diseases
- Principles and stages of treatment of dental patients
- Types, levels and measures for the prevention of diseases of the teeth, periodontium and oral mucosa
- The main signs of emergencies at the dentist's office and under any circumstances (at home, on the street, in a medical institution)
- Tactics, algorithms for providing emergency medical care at the dental office and under any circumstances for a limited time

be able to:

- to examine the dental patient;
- to analyze the changes in the structure of the hard tissues of the teeth, pulp, periodontium, periodontium, oral mucosa, which are associated with age and pathological conditions;
- to substantiate and formulate a preliminary diagnosis;
- to carry out differential diagnostics;
- to analyze the results of the examination of a dental patient;
- to make a clinical diagnosis of major diseases of the teeth, periodontium, oral mucosa;
- to detect and identify manifestations of somatic, infectious diseases in the oral cavity
- to determine the nature and principles of treatment of patients in the clinic of therapeutic dentistry;
- to identify different clinical variants and complications of the most common dental diseases;
- to carry out primary and secondary prevention of the most common diseases in the clinic of therapeutic dentistry;
- to determine the necessary mode of work and diet in the treatment of dental diseases;
- to diagnose an emergency;
- to determine the tactics and provision of emergency medical care;
- to organize medical and evacuation measures.

4. CONTENT AND LOGISTICS OF THE DISCIPLINE

<p>Module 4. “Diseases of the oral mucosa”</p> <p>Content modules are 4</p>	<p>IX semester 135 hours / 4.5 credits ECTS</p>	<p>Lectures – № 1-5 Practical classes № 1-16 Topics for self-study № 1-7</p>
<p>Module 5. “Deepening students' clinical thinking. Modern methods of diagnosis, treatment and prevention of major dental diseases. Clinical examination of patients by a dentist”</p> <p>Content modules are 2</p>	<p>X semester 135 hours/ 4,5 credits ECTS</p>	<p>Lectures – № 6-10 Practical classes № 17-32 Topics for self-study № 8-14</p>

The discipline includes 10 lectures, 32 topics of practical classes, which are divided into 6 thematic modules.

Topics of practical classes

Module 4. Oral mucosa diseases.

Content module 8. Primary lesions of the oral mucosa

Theme 1. Anatomical, physiological, histological features of the oral mucosa and red lip border. Protective factors of oral mucosa. Saliva, its composition and physiological role.

Theme 2. Classification of oral mucosal diseases. Peculiarities of the examination of patients with oral mucosal diseases. Pathological processes in the oral mucosa and red lip border. Primary and secondary elements of lesions.

Theme 3. Traumatic lesions of oral mucosa. Leukoplakia of oral mucosa. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment and prevention.

Theme 4. Autoinfectious stomatitis. Primary acute catarrhal stomatitis. Acute and chronic recurrent herpetic stomatitis. Acute aphthous stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

Theme 5. Autoinfectious stomatitis. Ulcerative stomatitis. Fungal lesions of the oral mucosa. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

Content module 9 “Infectious diseases. Etiology, pathogenesis, manifestations on the oral mucosa. Their clinical manifestations, diagnosis. Tactics of a dentist”

Theme 6. Manifestations of viral infections in the oral mucosa. Influenza, hand-foot-and-mouth disease, infectious mononucleosis. Etiology, pathogenesis, clinical manifestations on the oral mucosa, diagnosis, treatment and prevention. HIV-infection. Manifestations in the oral cavity, diagnosis. Tactics of a dentist.

Theme 7. Manifestations of bacterial infections in the oral mucosa. Tuberculosis, syphilis, gonorrhoea. Etiology, pathogenesis, clinical manifestations on the oral mucosa, diagnostics. Treatment and prevention. Tactics of a dentist.

Content module 10 “Changes in the oral mucosa in somatic diseases, allergic lesions and exogenous intoxications. Tactics of a dentist”

Theme 8. Changes of oral mucosa in general somatic pathology: diseases of digestive tract, cardiovascular system, endocrine system. Tactics of a dentist.

Theme 9. Changes of oral mucosa in the diseases of the blood and hematopoietic organs. Changes of oral mucosa with hypo- and avitaminosis. Tactics of a dentist.

Theme 10. Changes of oral mucosa in dermatoses with autoimmune component. Lichen planus. Pemphigus. Lupus erythematosus. Etiology, pathogenesis, clinical manifestations, diagnosis. Tactics of a dentist.

Theme 11. Types of allergic reactions and their manifestations in the maxillofacial region. Anaphylactic shock. Quincke's edema. Allergic medicinal stomatitis. Etiology, pathogenesis, clinical manifestations, differential diagnosis. Provision of emergency aid.

Theme 12. Manifestations of allergic diseases and intoxication lesions in the oral cavity. Multiforme exudative erythema. Steven-Johnson's and Lyell's syndrome. Chronic recurrent aphthous stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention. Changes on the oral mucosa during exogenous intoxications

Content module 11 "Diseases of the tongue and lips. Precancerous diseases of oral mucosa and red lip border"

Theme 13. Diseases of the tongue and lips. Primary and secondary glossites. Neurogenic tongue diseases. Primary and symptomatic cheilitis. Clinical manifestations, diagnosis, treatment and prevention.

Theme 14. Precancerous diseases. Classification of precancers of oral mucosa and red lip border. Prognosis and prevention of precancerous diseases. Obligate and facultative precancers of oral mucosa and red lip border. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention. Prognosis and prevention of precancerous diseases.

Theme 15. Medical documentation of therapeutic reception. Defense of academic history of the disease.

Theme 16. Development of practical skills for the module 4. Credit.

Module 5. Deepening of clinical thinking of the students. Modern methods of diagnosis, treatment and prevention of major dental diseases. Prophylactic medical examination (dispanserization) of patients in the therapist-dentist

Content module 12 "Features of clinical and laboratory examination, differential diagnosis of diseases of hard tooth tissues and endodontium. Modern methods of treatment and prevention"

Theme 17. Differential diagnostics of non-carious lesions of hard tooth tissues. Modern methods of treatment and prevention of non-carious lesions of the teeth.

Theme 18. Differential diagnostics of carious lesions of hard tooth tissues. Modern methods of treatment and prevention of carious lesions of the teeth.

Theme 19. Differential diagnosis of acute and chronic pulpitis, and pulpitis in exacerbation stage. Dystrophic changes in the pulp in general diseases of an organism. Modern technologies of pulpitis treatment.

Theme 20. Differential diagnostics of apical periodontitis. X-ray diagnostics of apical periodontitis. Modern technologies of apical periodontitis treatment.

Theme 21. Differential diagnosis of inflammatory periodontal diseases. Catarrhal, hypertrophic, ulcerative gingivitis and papillitis. Treatment and prevention.

Theme 22. Differential diagnosis of inflammatory-dystrophic and dystrophic periodontal lesions. Localized and generalized periodontitis. Periodontosis. Idiopathic lesions of the periodontium. Peri-implant diseases.

Theme 23. Modern methods of treatment and prevention of inflammatory-dystrophic, dystrophic periodontal lesions, idiopathic and peri-implant diseases.

Theme 24. Differential diagnosis of traumatic and autoinfectious lesions of oral mucosa. Modern methods of treatment and prevention.

Theme 25. Differential diagnosis of manifestations of bacterial and viral infections in the maxillofacial region. Tactics of a dentist.

Theme 26. Differential diagnosis of oral mucosal lesions in general somatic pathology: digestive tract diseases, cardiovascular, endocrine, nervous systems and hematopoietic organs. Modern methods of treatment and prevention.

Theme 27. Differential diagnosis of drug therapy complications associated with allergies, intoxications, and dysbacteriosis. Tactics of a dentist. Providing emergency care.

Theme 28. Differential diagnosis of dermatoses with an autoimmune component. Clinic, diagnostics, tactics of a dentist. Clinical manifestations, diagnostics, tactics of dentist.

Theme 29. Differential diagnosis of tongue and lip diseases. Modern methods of treatment and prevention.

Theme 30. Precancerous diseases of the maxillofacial region. Differential diagnosis and tactics of a dentist. Peculiarities of providing dental care in wartime and COVID-19 pandemic.

Theme 31. Development of practical skills for the module №5. Analysis of a graduate's work.

Theme 32. Differentiated credit.

Theme of the lecture to module No. 1 (I semester)

Theme 1. Oral mucosa. Structure and functions. Pathological processes arising in the oral mucosa. Primary and secondary elements of lesion. Systematics of oral mucosa diseases. Features of examination of the patients with oral mucosa diseases.

Theme 2. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention of traumatic and autoinfectious lesions of oral mucosa.

Theme 3. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention of viral diseases manifested in the maxillofacial region. Manifestations of HIV/AIDS-infection in the maxillofacial region. Tactics of a dentist.

Theme 4. Etiology, pathogenesis, clinical signs, diagnosis of manifestations of bacterial infections in the maxillofacial region. Tactics of a dentist, prevention.

Theme 5. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention of mycotic lesions (candidiasis) of the oral mucosa.

to module No. 2 (II semester)

Theme 1. Manifestations of systemic diseases in the oral cavity (digestive tract, cardiovascular, endocrine, nervous systems, diseases of the blood and hematopoietic organs). Clinical manifestations, diagnostics. Hypovitaminosis, their manifestations in the maxillofacial region, prevention, tactics of the dentist.

Theme 2. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention of allergic diseases and reactions with manifestation in the maxillofacial region.

Theme 3. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment of dermatoses with pathological changes in the maxillofacial region.

Theme 4. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention of lip and tongue diseases.

Theme 5. Etiology, pathogenesis, clinical manifestations, diagnostics, treatment, follow-up examination and prevention of precancerous diseases of the red lip border and oral mucosa.

Thematic plan for independent work

Theme 1. Chronic recurrent herpes. Causes, pathogenesis, clinic, diagnosis, treatment, prevention.

Theme 2. Chronic ulcerative stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

Theme 3. Diphtheria. Scarlet fever. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.

Theme 4. Changes in oral mucosa in dermatoses with autoimmune component. Lupus erythematosus. Dentist's tactics.

Theme 5. Changes in oral mucosa in dermatoses with autoimmune component. Pamphigoids.

Theme 6. Lesions of the oral mucosa in radiation disease.

Theme 7. Precancerous diseases. Peculiarities of examination, prognosis and prevention of precancerous diseases.

Theme 8. Etiology and pathogenesis of dental caries.

Theme 9. X-ray characteristic of the changes in periodontium by S.A. Winedruh.

Theme 10. Modern endodontic tools for cleansing, expansion and filling of root canals. Standards ISO. Methodology of usage.

Theme 11. Instrumental processing of root canals with "Step-back" "Crown-down" techniques.

Theme 12. Basics of aesthetic dental restoration.

Theme 13. Theoretical foundations of prevention, levels, types and methods of prevention.

Theme 14. Follow-up examination of dental patients.

Practical classes provide a theoretical justification of the main issues of the topic and the acquisition of the following practical skills:

The list of practical skills that must be mastered by each student of the V course from the module №4 of therapeutic dentistry "Diseases of the oral mucosa"

1. Carry out a clinical examination of a patient with pathology of the oral mucosa; correctly draw up a medical history, make a plan for examination and treatment of the patient.
2. Take material for cytological and bacteriological examinations.

3. Analyze the results of cytological, histological, bacteriological examination of the patient, clinical analysis of blood, urine, biochemical analysis of blood for glucose.
4. Perform application, infiltration, conduction anesthesia and electrical anesthesia.
5. Carry out irrigation, instillation and application of drugs.
6. Work with dental equipment and tools, be able to sterilize them.
7. To draw up the reporting documentation of the dentist, to analyze the quantitative and qualitative indicators of the work of the dentist at the therapeutic reception.
8. Determine and evaluate the hygienic indices of the oral cavity and evaluate them.
9. Prescribe medications and prescribe physiotherapy.
10. Carry out professional oral hygiene.
11. Give recommendations for oral hygiene.

The list of practical skills that must be mastered by each student of V course from the module №5 therapeutic dentistry “Deepening of clinical thinking of students. Modern methods of diagnosis, treatment and prevention of major dental diseases. Clinical examination of patients by a dentist”.

1. Equip the dental office and ensure its functioning in compliance with the basics of ergonomics in dentistry.
2. Work with dental equipment and tools, be able to sterilize them.
3. To draw up the reporting documentation of the dentist, to analyze the quantitative and qualitative indicators of the work of the dentist at the therapeutic reception.
4. Carry out a clinical examination of a patient with pathology of teeth, periodontal tissues, oral mucosa; correctly draw up a medical history, make a plan for examination and treatment of the patient.
5. Determine the hygienic indices of the oral cavity and evaluate them.
6. Determine the indices of PMA, PI, KPI, CPITN, Schiller-Pisarev test, bleeding index and be able to analyze them.
7. Carry out the following additional methods of examination of the patient and be able to evaluate them:
 - EOD
 - test VI Kulagenko
 - TER
 - allergological tests (normal and rotational pre-test)
8. Be able to analyze radiographs of teeth, periodontal tissues; rheoparodontograms.
9. Analyze the results of cytological, histological, bacteriological examination of the patient, clinical analysis of blood and urine, biochemical analysis of blood and urine.
10. Perform application, infiltration, conduction anesthesia.
11. Carry out teeth whitening.
12. Carry out remineralization of hard tissues of teeth.
13. Cover teeth with therapeutic and prophylactic varnishes, gels.
14. Fill the fissures.
15. Prepare carious cavities under various filling materials.
16. To open the cavities of the teeth.
17. Perform amputation and extirpation of the pulp.
18. Apply devitalizing agents in the treatment of pulpitis.
19. Treat inflammation and damage to the pulp by preserving its vital functions.
20. Carry out medical and instrumental treatment of root canals.
21. Perform impregnation, depophoresis, filling of root canals (pastes, cements, pins).
22. Close the perforation of the floor, walls of the carious cavity and the tooth cavity.
23. Apply temporary fillings and hermetic bandages in the treatment of caries, pulpitis, apical periodontitis.
24. Fill the prepared carious cavities of the tooth with cements, amalgams, composite materials.

25. Carry out grinding and polishing of fillings from all types of filling materials.
26. Take material for cytological and bacteriological examinations.
27. To remove dental plaque.
28. Perform selective grinding and alignment of the occlusal surface of the teeth.
29. Carry out irrigation, instillation and application of drugs.
30. Apply non-hardening and hardening bandages in the treatment of periodontal disease.
31. Perform diathermocoagulation in the treatment of pulpitis, apical periodontitis, periodontal diseases and oral mucosa.
32. Carry out intradental electrophoresis, vacuum massage.
33. Perform an autopsy of a periodontal abscess.
34. Carry out curettage of periodontal pockets.
35. Provide emergency care to a patient with fainting, collapse, shock.
36. Provide emergency care to a patient with Quinke's edema, anaphylactic shock.
37. Be able to perform artificial respiration and indirect heart massage.
38. Prescribe medications and prescribe physiotherapy.
39. Carry out professional oral hygiene.
40. Give recommendations for oral hygiene.
41. Have the forms and methods of sanitary-educational work.

The student's independent work involves preparation for practical classes and intermediate tests, study of topics for independent extracurricular work, preparation of presentations, tables. Control of mastering the topics of independent extracurricular work is carried out in practical classes and final control of the discipline.

Individual work includes the study of scientific literature, preparation of reviews on the topics provided for presentation at meetings of the student scientific group, the implementation of scientific and practical research, participation in specialized competitions, scientific and practical conferences, competitions of student research papers.

Calendar plans of practical classes, thematic plan of independent extracurricular work, volume and directions of individual work are published on the site of the department.

Route of receiving materials: Department of Therapeutic Dentistry / Student / Full-time study / Dentistry / 5th year / Teaching materials / or at the link [https://www.vnmu.edu.ua/department of therapeutic dentistry](https://www.vnmu.edu.ua/department%20of%20therapeutic%20dentistry).

Access to materials is provided from the student's corporate account s000XXX@vnmu.edu.ua

5. Forms and methods of monitoring learning success

Current control in practical classes	Methods: oral examination; written survey; test control; solving situational problems; structured according to the procedure control of practical skills and abilities in accordance with the list of practical skills for each lesson.
Control of mastering the thematic section of the discipline at intermediate control classes	Methods: oral or written questioning, electronic testing, solving situational problems, control of practical skills
Final semester control (credit) at the end of the third semester	According to the regulations on the organization of the educational process in National Pirogov

	Memorial Medical University, Vinnytsya (link https://www.vnmu.edu.ua/General information / Basic documents)
Final control of the discipline - differentiated credit	Methods: oral examination (according to the regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link https://www.vnmu.edu.ua/General information / Basic documents))
Tools for diagnosing learning success	Theoretical questions, tests, clinically-oriented situational tasks, practical tasks, demonstration of practical skills.

6. Evaluation criteria

Assessment of knowledge is carried out in accordance with the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link [https://www.vnmu.edu.ua/General information / Basic documents](https://www.vnmu.edu.ua/General%20information%20/%20Basic%20documents))

Current control	According to the four-point system of traditional grades: 5 "excellent", 4 "good", 3 "satisfactory", 2 "unsatisfactory"
Intermediate separation controls	According to the four-point system of traditional evaluations
Control of practical skills	According to the four-point system of traditional evaluations
Credit	On a 200-point scale (arithmetic mean for the semester is converted into points) Credited: from 122 to 200 points Not credited: less than 122 points (see Evaluation Scale)
Final control of the discipline	Score for differentiated credit: 71-80 points - "excellent" 61-70 points - "good" 50-60 points - "satisfactory" Less than 50 points - "unsatisfactory" / did not pass
Discipline assessment	Current performance - from 72 to 120 points (conversion of the average traditional grade for practical classes on a 120-point scale): 60% of the grade for the discipline Final control - from 50 to 80 points: 40% of the grade for the discipline Individual work - from 6 to 12 points A total from 122 to 200 points.

Rating scale: national and ECTS

The sum of points for all types of educational activities	ECTS assessment	Score on a national scale	
		for exam, course project (work), practice	for credit
180-200	A	excellent	credited
170-179,99	B	good	
160-169,99	C		
141-159,99	D	satisfactory	
122-140,99	E	satisfactory	
0-121,99	FX	unsatisfactory with the possibility of reassembly	not credited with the possibility of re-assembly
	F	unsatisfactory with compulsory re-study of the discipline	not credited with compulsory re-study of the discipline

7. Discipline policy

The student has the right to receive quality educational services, access to modern scientific and educational information, qualified counseling during the study of the discipline and the acquisition of practical skills. The policy of the department during the provision of educational services is student-centered, based on the regulations of the Ministry of Education and the Ministry of Health of Ukraine, the university charter and the procedure for providing educational services, regulated by the main provisions of the educational process in National Pirogov Memorial Medical University and the principles of academic integrity.

Observance of National Pirogov Memorial Medical University regulations, safety measures at practical classes

Requirements for preparation for practical classes. The student must arrive on time for a practical lesson, theoretically prepared according to the topic. Form of clothing: medical gown, changeable shoes, mask, gloves. Adhere to ethical norms and tolerance when discussing the topic of the lesson. Follow the rules of safety and ergonomics when practicing practical skills.

Use of mobile phones and other electronic devices. The use of mobile phones during classes is prohibited (except for emergencies to call for help). It is allowed to use the following electronic devices: equipment for multimedia presentation of material, devices for practicing practical skills.

Academic integrity. During the study of the discipline the student must be guided by the Code of Academic Integrity of National Pirogov Memorial Medical University (<https://www.vnmu.edu.ua/> general information / Basic documents / Code of Academic Integrity). In case of violation of academic integrity (write-off, use of mobile phone during knowledge assessment, etc.) during the current and final tests, the student receives a grade of "2" and must work it out to his teacher in the prescribed manner within two weeks after unsatisfactory grade.

Missed classes. Missed classes are practiced in the manner prescribed by the Regulations on the organization of the educational process in National Pirogov Memorial Medical University (link <https://www.vnmu.edu.ua/> General information / Basic documents) at the time specified in the schedule of work (published on the website of the department <https://www.vnmu.edu.ua/кафедра-терапевтичної-стоматології> to duty teacher. In order to complete the missed lesson, the student must answer theoretical questions and perform practical tasks on the missed topic. To complete the lecture, the student must make a short summary of the missed topic, navigate the topic and be ready for discussion / answer to questions on the subject of the lecture.

The procedure for admission to the final control of the discipline is given in the Regulations on the organization of the educational process in National Pirogov Memorial Medical University (link <https://www.vnmu.edu.ua/> General information / Basic documents). Students who have not missed unfinished practical classes and lectures and received an average traditional grade of at least "3" are admitted to the final control.

Additional individual points. Individual points in the discipline (from 6 to 12) the student can get for individual work, the amount of which is published on the website of the department in educational materials of the discipline, the number of points is determined by the results of IRS according to the Regulations on the organization of educational process in National Pirogov Memorial Medical University (link <https://www.vnmu.edu.ua/> General information / Basic documents).

Conflict resolution. In the event of misunderstandings and complaints to the teacher due to the quality of educational services, assessment of knowledge and other conflict situations, the student must first report their claims to the teacher. If the conflict issue is not resolved, the student has the right to submit an appeal to the head of the department in accordance with the Regulations on the consideration of appeals of applicants for higher education in National Pirogov Memorial Medical University (<https://www.vnmu.edu.ua/> General information / Basic documents).

Politics in terms of distance learning. The procedure for distance learning is regulated by the Regulations on the introduction of elements of distance learning in National Pirogov Memorial Medical University, Vinnytsya (<https://www.vnmu.edu.ua/> General information / Basic documents). The main training platforms for training are Microsoft Team, Google Meets. The procedure for performing practical classes and lectures, exercises and consultations during distance learning is published on the website of the department (<https://www.vnmu.edu.ua/> Department of Therapeutic Dentistry / Student or [https://www.vnmu.edu.ua /](https://www.vnmu.edu.ua/) Department of Therapeutic Dentistry / News).

Feedback from the teacher is via messengers (Viber, Telegram, WhatsApp) or e-mail (at the teacher's choice) during business hours.

1. Training resources

Educational and methodological support of the discipline is published on the website of the department (<https://www.vnmu.edu.ua/kafedra-terapevtychnoi-stomatologii> / Student). Consultations are held twice a week according to the consultation schedule.

2. The schedule and distribution of groups by teachers is published on the web page of the department (<https://www.vnmu.edu.ua/kafedra-terapevtychnoi-stomatologii/> Student).

3. Questions to the intermediate and final controls of the discipline are published on the web page of the department (<https://www.vnmu.edu.ua/kafedra-terapevtychnoi-stomatologii/> Student)

The syllabus on the subject “Therapeutic Dentistry” (5th course) was discussed and approved at the meeting of the department of Therapeutic Dentistry (protocol № 1, from “26” August 2024 y.

Responsible for the course  Ass. Prof. of HEI Nataliia GADZHULA

(signature)

Head of the Department  Prof. of HEI Mariia SHINKARUK-DYKOVYTSKA

(signature)