

**Danylo Halytsky Lviv National Medical University**  
Department of Therapeutic Dentistry

**Syllabus**  
**of the academic discipline "Therapeutic dentistry, diseases of oral mucosa "**  
Training of specialists of the second (master) degree of higher education  
**Individual profile course of choice "Prosthetic Dentistry"**  
field of knowledge 22 "Health care"  
specialty 221 "dentistry"

Lviv 2023

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## **I. General Section**

Education and training of dentists in Ukraine is provided according to the new Branch Standards for Higher Education 1101 "Medicine" in specialty 7.110106 "Dentistry".

The working programme is composed of the following normative documents:

- Order No 1229 of April 24, 2015 "On the introduction into effect of the new curriculum on pre-graduate education and training of specialists in the specialty "Dentistry";
- Law of Ukraine "On education" No 1556-VIM of July 01, 2014;
- Order of the Ministry of Education and Science of Ukraine No 47 of January 26, 2015 "On peculiarities of forming the curricula for the Academic Year 2015/2016;
- Letter of the Ministry of Education and Science of Ukraine No 1 / 9-19 of January 20, 2015 "On organizing the certification of higher, education receivers and organization of the educational process"; letter of the Ministry of Education and Science of Ukraine No 1 / 9-126 of March 13, 2015 "On the peculiarities of the educational process and forming the curricula for the Academic Year 2015/2016;
- Letter of the Ministry of Healthcare of Ukraine No 08.01-47 / 8986 of March 24, 2015 and Letter No 08.01-47 / 12037 of April 16, 2015 "On approval of the adjusted curricula on pre-graduate education and training of specialists in the branches of knowledge 1201 "Medicine" and 1202 "Pharmacy";
- The new curriculum on education and training of specialists of the "Specialist" degree in the specialty "Dentist" in higher educational establishments of level IV accreditation in the specialty "Dentistry" No 929 of June 30, 2010;
- education-and-qualification description (EQD) and education-and- profession program (EPP) of education and training of specialists, approved by Order of the Ministry of Healthcare of Ukraine No 39 of April 16, 2003 "On approval of components of branch standards of higher education relating in the specialty: 1101 "Medicine";
- The program for the academic discipline "Therapeutic dentistry" for students of higher educational establishments of level IV accreditation in specialty 7.110106 "Dentistry" (Kyiv,

2011);

- Recommendations for developing programs of study for academic disciplines approved by Order of the Ministry of Healthcare of Ukraine No 152 of March 24, 2004 "On approval of the recommendations for developing programs of study for academic disciplines" as changed and amended by Order of the Ministry of Healthcare of Ukraine No 492 of October

12, 2004 "On introduction of changes and amendments to the recommendations on the development of programs of study for academic disciplines"; • Order of the Ministry of Healthcare of Ukraine No 143 of January 31, 2003 "On measures of implementation of the Bologna Declaration in the system of higher medical and pharmaceutical education".

In the general system of education and training of dentists, the most important discipline is therapeutic dentistry. The main objective of the Department of Therapeutic Dentistry is to educate and train dentists able to solve problems of diagnosis, treatment and prevention of dental diseases. Therapeutic dentistry is taught in most universities in Ukraine at the Departments of Therapeutic Dentistry Propaedeutics and Therapeutic Dentistry through lectures, hands-on learning and practical training.

The course of lectures deals with the issues relating to the organization and structure of the therapeutic dental care in Ukraine, its objectives and relationship with general clinical and dental disciplines, and with basic and additional clinical methods of patient examination. Particular attention is paid to the study of etiology, pathogenesis, classifications, clinical picture, diagnosis, differential diagnosis, treatment and prevention of pulpitis, and diseases of periodontal tissues. During hands-on learning and practical training, students have to master practical skills of patient examination, learn to establish diagnosis and differential diagnosis, and skillfully apply basic methods of treatment and prevention of diseases. During the 1<sup>st</sup> year of study, students study at the Department the academic discipline "Ergonomics in dentistry" - 1.5 credits, 4 hours of lectures, 16 hours of practical classes and 25 hours of CPC. At the end of the studies, the students take a test. After having studied the academic discipline "Therapeutic Dentistry Propaedeutic" (4 credits and 120 hours) and after having provided proof of their knowledge, the student starts to study the academic discipline "Therapeutic dentistry" in their 3<sup>rd</sup> - 5<sup>th</sup> years, and namely:

- odontology - in the 3<sup>rd</sup> year of study;
- periodontics - in the 4<sup>th</sup> year of study;
- diseases of the oral mucosa - in the 5\* year of study.

According to Order No 1229 of April 24, 2015 "On the introduction into effect of the new curriculum on pre-graduate education and training of specialists in the specialty "Dentistry" in Ukrainian higher educational establishments of level IV accreditation", the 5th year of teaching the academic discipline "Therapeutic dentistry" covers: "Diseases of the oral mucosa" (the 9<sup>th</sup> semester) - 4 credits and 120 hours (20 hours of lectures, 54 hours of practical training and 46 hours of free work) and the academic discipline "Differential diagnosis, modern methods of treatment and



### **The purpose and objectives of the course**

The main purpose of the discipline "Therapeutic dentistry" is to prepare students to work in the clinic, which is to train a dentist who can diagnose and treat diseases of oral mucosa and dental disease.

The ultimate goals of discipline "Therapeutic dentistry" is set on the basis of EPP preparation of doctor on specialty "Dentistry". Description objectives formulated through ability as targets. On the basis of the ultimate goals scored defined specific targets in the form of certain skills, targets, providing the ultimate goal of the discipline.

#### ***The ultimate goals of discipline:***

- know the primary lesion of the oral mucosa;
- be able to diagnose infectious diseases;
- assist in allergic lesions and exogenous intoxications.

### **The program of the course**

According to the Law of Ukraine "On education" reform of higher medical education in Ukraine, a new curriculum and program of discipline "Therapeutic dentistry" provides training educational qualification level "specialist" qualification "dentist", specialty 7.110106 "Dentistry" higher Initial medical institutions of Ukraine the fourth level.

Therapeutic dentistry as basic dental discipline. The task of therapeutic dentistry. Relationship with theoretical therapeutic dentistry, general dental and clinical disciplines. Achieving therapeutic dentistry.

Historical stages of development of therapeutic dentistry. The contribution of scientists of Ukraine in the development of therapeutic dentistry (YM Hofunh, AT Tsheshinskomu, Novik IA, IP Behelman, MF Danilevsky PT Maksimenko, etc.). Conventions dentists and their importance in the development of national dentistry. The development of modern dental education in Ukraine. Graduate Dental Education.

## CLINICAL COURSE

### "Diseases of the oral mucosa" (9 semester)

#### PRIMARY OF ORAL CAVITY

Anatomical and physiological, histological features of the oral mucosa and red fringe lips. Protective factors. Saliva, its composition and physiological role. Violation salivation. Etiology, pathogenesis. The clinic, diagnosis, treatment, prevention. Classification of diseases of the oral mucosa (NF Danilevsky, ICD-10). Features of examination of patients with diseases of the oral mucosa. Primary and secondary elements defeat.

Traumatic lesions of the oral mucosa (mechanical, chemical, physical, electrical injury). Radial lesion. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.

Primary autoifektsiyni stomatitis. Acute catarrhal stomatitis. Etiology. Pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

Acute sealed stomatitis. Acute aphthous stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

Chronic recurrent herpes. Causes, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

Acute ulcerative stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment, prevention.

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

Fungal lesions of the oral mucosa. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention. Writing academic history. Supervision of patients.

#### INFECTIOUS DISEASES

Influenza, infectious mononucleosis, foot and mouth disease. Etiology, pathogenesis, clinical manifestations in the oral mucosa, diagnosis, treatment and prevention.

AIDS. Etiology, pathogenesis, clinical manifestations in the oral mucosa, diagnostics. Treatment and prevention. Tactics dentist.

Diphtheria. Etiology, pathogenesis, clinical manifestations in the oral mucosa, diagnosis, treatment and prevention.

Tuberculosis. Etiology, pathogenesis, clinical manifestations in the oral mucosa, diagnostics. Treatment and prevention. Tactics dentist.

Syphilis. Etiology, pathogenesis, clinical manifestations in the oral mucosa, diagnostics. Treatment and prevention. Tactics dentist.

Gonorrhoea. Etiology, pathogenesis, clinical manifestations in the oral mucosa, diagnostics. Treatment and prevention. Tactics dentist.

Landmark control the writing of academic history. Subjective methods of inspection.

### **CHANGE OF ORAL CAVITY AT SOME MEDICAL CONDITIONS**

Етіологія, патогенез, клініка, діагностика^ Тактика лікаря-стоматолога. Changes oral mucosa in diseases of the cardiovascular (circulatory failure, arterial hyperemia). Trophic ulcer. Puhyrno-vascular syndrome. Tactics dentist. Changes oral mucosa in diseases of the endocrine system (acromegaly, Cushing's disease pituitary, diabetes). Xerostomia. Tactics dentist. Changes in the oral mucosa in diseases of the blood and blood-forming organs. Changes in the oral mucosa with hypo- and avitaminosis A, S. tactics dentist. Changes in the oral mucosa with dermatoses with autoimmune component. Pemphigus. Etiology, pathogenesis, clinical manifestations, diagnosis. Tactics dentist.

### **CHANGE OF ORAL CAVITY AT ALLERGIC LESIONS AND EXOGENOUS INTOXICATIONS**

Anaphylactic shock. Angioedema. Causes, Causes, clinical manifestations, providing emergency assistance.

Allergic stomatitis drug. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.

Erythema multiforme exudative. Stevens-Johnson syndrome. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention.



Chronic recurrent aphthous stomatitis. Behcet's disease. Pathogenesis, clinical manifestations, diagnosis, treatment and prevention.

Changes in the oral mucosa with exogenous intoxications. Mercury stomatitis. Tactics dentist.

Changes in the oral mucosa with exogenous intoxications bismuth and lead. Diagnosis. Tactics dentist. Lesions of the oral mucosa with radiation sickness.

#### DISEASE TONGUE AND LIPS. PRECANCEROUS DISEASES ORAL CAVITY AND RED BORDER OF LIPS. STOMATOHENNA HRONIC INTOCSICATTON

Primary glossitis. Folded and hairy tongue. The clinic, diagnosis, treatment and prevention. Neurogenic tongue disease. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention. Primary cheilitis. Etiology, clinical features, diagnosis, treatment and prevention. The primary disease. Classification of precancerous oral mucosa and red fringe lips. Prediction and prevention of pre-cancerous diseases. Etiology. Pathogenesis.

#### **"Differential diagnosis, current treatment and prevention of major dental diseases"**

CLINICAL AND LABORATORY EXAMINATION OF PATIENTS, DIFFERENTIAL DIAGNOSIS OF DENTAL HARD TISSUES DISEASES AND ENDODONTIST. MODERN METHODS TREATMENT AND PREVENTION Differential diagnosis of carious lesions of hard tissues of the teeth. Modern methods of teeth whitening and restoration of carious lesions. Physical factors in the diagnosis and treatment of carious lesions.

Differential diagnosis of dental caries. Modern methods of treatment and prevention of dental caries. Physical factors in the diagnosis and treatment of carious lesions. Basics aesthetic restoration of teeth.

Differential diagnosis of pulpitis. Dystrophic changes in the pulp at general diseases of the body and their role in the choice of treatment.

Differential diagnosis of periodontitis. X-ray. Radiological characterization for periodontal changes in SA Vayndruhom. Mistakes and complications in the diagnosis of pulpitis and periodontitis.

Modern technologies of treatment of pulpitis and periodontitis. Modern endodontic instruments for purification, expansion and root canal filling. Standards ISO. Methods of use. Instrumental root canal treatment by the method of "Step-back" "Crown-down" technique. Physical factors in the treatment of complicated caries. Control of tests.

CLINICAL-LABORATORY EXAMINATION OF PATIENTS, DIFFERENTIAL DIAGNOSIS OF PERIODONTAL TISSUE DISEASES AND MUCOUS MEMBRANES OF THE MOUTH. MODERN METHODS TREATMENT AND PREVENTION. DISPANSERIZATION OF DENTAL PATIENTS.

Differential diagnosis of catarrhal, hypertrophic, ulcerative-necrotic gingivitis and periodontitis localized. Treatment and prevention. The use of physical factors in the diagnosis and treatment of inflammatory periodontal diseases.

Differential diagnosis of periodontal disease and periodontal disease. Modern methods of treatment and prevention. The use of physical factors in the diagnosis and treatment of degenerative and inflammatory and degenerative periodontal disease.

Differential diagnosis of diseases of the oral mucosa. Modern methods of treatment and prevention. The use of physical factors in diagnosis and treatment.

Differential diagnosis of precancerous diseases of the oral mucosa and red fringe lips. Obligate and facultative precancer. Modern methods of treatment and prevention.

Laboratory methods for diagnosis of common dental diseases. Methods of collection of material for cytological and bacteriological study patients.

Providing emergency care to patients with acute dental conditions. Algorithm actions.

First aid patients with urgent conditions (anaphylactic shock, loss of consciousness, collapse, hypertensive crisis, acute heart failure). Algorithm actions.

The analysis of quantitative and qualitative indicators of physician-therapist dentist. Theoretical basis of prevention, levels, types and methods of prevention. Clinical dental patients.

**PLAN OF STUDIES**  
**Plans of practical lessons**  
**in discipline „ THERAPEUTIC DENTISTRY” for 5- year**  
**English-medium students, 2022-2023**  
**Individual profile course of your choice “Prosthetic**  
**Dentistry”**

**„Differential diagnosis, modern methods of treatment and prevention of major dental diseases”– 6 credits (180 hours): practical lessons – 90 hours, out of class work – 90 hours.**

<b>The me №</b>	<b>Topic of the lesson</b>	<b>Hours</b>
1.	Structure of oral mucosa. Anatomy, histology, physiology of different parts of oral mucosa and its clinical importance. Anatomical-physiological peculiarities of the mucosa of the tongue. Protective mechanisms and factors of oral mucosa, their role in the development of oral pathology. Saliva, its composition and properties. Microorganisms of oral cavity. Peculiarities of clinical examination of patients with oral mucosal pathology. Primary and secondary morphological elements of oral mucosal lesions. Special and laboratory methods of examination. Medical documentation.	6
2.	Classification of oral mucosa pathology. Mechanical and Chemical injury of oral mucosa. Leukoplakia. Etiology, clinic, differential diagnosis, treatment. Physical injury of oral mucosa. Galvanic stomatitis. Radiation sickness. Peculiarities of emergency in Radiation trauma. Prophylaxis of Radiation mucositis in radiation therapy.	6
3.	Viral infections of oral mucosa. Acute herpetic stomatitis, herpes zoster, chronic herpes, warts. Symptomatic viral infections of oral mucosa. Oral manifestations in AIDS, influenza, measles, chicken pox, foot-and-mouth disease. Clinical manifestatios, treatment and prevention. Bacterial diseases with alteration of oral mucosa. Classification, etiology, pathogenesis, clinic, differential diagnosis, treatment. Oral manifestations of syphilis and Tuberculosis in oral mucosa. Diseases caused by fungi and protozoa. Clinic, differential diagnosis, treatment.	6
4.	Allergic reactions, general characteristic. Reactions of immediate hypersensitivity. Anaphylactic shock, Quincke’s oedema, nettle-rash. Clinic, differential diagnosis, treatment. Cell-mediated immunity (delayed hypersensitivity reactions). Recurrent stomatitis with formation of oral aphtha, allergic contact stomatitis, Exudative Multiforme Erythema.	6
5.	Oral manifestations of immune-mediated dermatologic diseases. Pemphigus, pemphigoid. Lichen planus. Lupus erythematosus.	6
6.	Oral manifestations of gastrointestinal, cardiovascular, endocrine, and hematologic diseases.	6
7.	Tongue disorders. Neurological tongue diseases. Classification. Etiology, clinic, diagnosis, differential diagnosis. Treatment, prevention. Lip lesions (cheilitis). Classification. Etiology, clinic, diagnosis, differential diagnosis. Treatment, prevention.	6

8.	Oral pre-malignancy. Clinic. Diagnostic. Treatment. Prophylaxis. Mistakes and complications in diagnosis and treatment of oral mucosa pathology. Physical methods in complex treatment of oral mucosa pathology. Peculiarities of hygiene in oral cavity.	6
9.	Ergonomics. Aim and tasks of Ergonomics. Instructions on safety measures during the work. Clinical anatomy and histology of the dental hard tissues. Physiology of the dental hard tissues. Tooth embryogenesis.	6
10.	Modern aspects of etiology and pathogenesis of dental caries. Diagnosis, treatment, and prevention of initial stage of caries. Treatment of the caries and non-carious defects. Peculiarities of teeth restoration. Rubber-dam. Post-systems, inlays, veneers in restorative treatment.	6
11.	Modern filling materials. Composites. Glass-ionic cements. Compomers. Cermets. Enamel-dentin adhesives. Patient's treatment. Treatment of the caries and non-carious defects. Peculiarities of teeth restoration. Rubber-dam. Post-systems, inlays, veneers in restorative treatment.	6
12.	Endodontics. Main principles. Morphological aspects (roots canal anatomy). Clinic and diagnostic of the pulpitis. Principles of endodontic treatment, modern endodontic instrumentation, its classification. Principles of diagnostic, treatment, and prevention of the apical periodontitis. Endo-periodontal surgery. Practice of practical skills.	6
		6
13.	Anatomical-morphological and physiological peculiarities of the periodontium. Complex examination of the patients with periodontal disease. Modern look on etiology and pathogenesis of the periodontal disease. Classification of periodontal diseases. Main syndromes of periodontitis. Clinical-morphological peculiarities of the main stages of generalized periodontitis.	6
14.	Complex treatment and prevention of periodontal disease. Organization of patients care in periodontal pathology. Patient's treatment.	6
15.	Pharmacodynamics of the medications, which are used in therapeutic dentistry. Prescriptions. Radiological diagnosis of the main oral diseases. Physiotherapeutic methods in treatment of main oral diseases.	6
	All together	90

### TEACHING METHODS

Organization of educational process is carried out by the credit system under the Bologna process. Teaching discipline provided by the following methods:

- Verbal, providing the perception and learning of students (lecture, explanation, story, conversation, coaching);
- Visual (observation, illustration, demonstration);
- Practical application of knowledge and for the acquisition and consolidation of skills (different kinds of dental manipulations on phantoms perform chiropractic work (modeling with clay, carving of plastic);
- Inspection and assessment of knowledge and skills;
- Encouragement for scientific publication or prizes for participating in the competition among universities in the disciplines of Ukraine, student conferences, etc.).

Maximum efficiency is achieved education system provided a combination of these methods.

### CONTROL METHODS

Current control is performed during the training sessions and aims at checking mastering educational material. The form of the current control during the classes defined working curriculum subjects "Therapeutic dentistry". Evaluation of current educational activity. In evaluating the mastering of each topic for current educational activity the student score for the 4-point scale (traditional) scale taking into account the approved evaluation criteria for discipline "Therapeutic dentistry". This takes- into account all types of work, provided the curriculum. The student must, obtain an assessment of each topic. Forms assessment of current educational activity should be standardized and include control of theoretical and practical training. Exhibited the traditional assessment scale are converted into points.

To discipline "Therapeutic dentistry" form which is the final control test: The maximum number of points that a student can collect for current educational activity at the study subjects is 200 points. The minimum number of points that a student must collect for current educational activity for enrollment courses is 120 points.

Calculating the number of points is based on student evaluations received by traditional scale while learning subjects during the semester, by calculating the arithmetic (SA), rounded to two decimal places. The resulting value is converted into points by multi-scale as follows:

$$x = \frac{CA \times 200}{SA}$$

For convenience, a table converting 200-point scale:

Table 1 Conversion of  
the average score for current activity in multimark scale for subjects that completed her  
credits

4- бшына шкала	200- іаива шкапа
5	200
4.97	199
4.95	198
4.92	197
AS	196
4.87	195
4.85	194
4.82	193
48	192
4.77	191
475	190
4.72	189
47	188
4.67	187
465	186
4.62	185
4.6	Ш
4.57	Ш
4.52	181
43	180
4.47	179

4- бальна шкапа	200- бальна шкала
445	178
442	177
4.4	176
4.37	175
4.35	174
4.32	173
43	172
4.27	171
424	170
422	169
4.19	Ж
417	167
414	166
412	165
409	164
407	163
4.04	Ш
402	161
3.99	160
3.97	159
3.94	158

4- бальна шкала	200- бальна шкапа
3J2	157
3.89	156
3.87	155
3.84	154
3.82	153
3.79	152
3.77	151
174	150
3.72	149
3.7	148
3.67	147
3.65	146
3.62	145
3.57	143
3.55	142
3.52	141
3.5	140
3.47	139
3.45	138
3.42	137
3.4	136

4- бажша шкала	200-
337	135
335	134
332	133
3.3	132
3.27	131
3.25	130
3.22	129
3.2	128
3.17	127
3Л5	126
3.12	125
3.1	124
3.07	123
3.02	121
3	120
Мешне 3	Недос- тагаш

Class out work of students is evaluated during the current Control of theme on the appropriate lesson. Mastering of themes which dart out only on independent work is controlled at the final control.

Final control is carried out to assess learning outcomes at a particular educational qualification level and at the individual stages completed its national scale and scale ECTS. Final control includes control and certification semester student.

Semester *test* - a form of final control, which is to evaluate mastering the discipline of educational material exclusively on the basis of the performance of all types of educational works provided a working curriculum. Semester test results exhibited by current control.



**Determination of the number of points that a student collected from discipline.**

Evaluation of the disciplines, form the final control test which is based on the results of current educational activities and expressed dvobalnoyu scale "Passed" or "not passed". To enroll a student must obtain for current learning activity score of at least 60% of the maximum amount of points in the discipline (120 points).

Points Converted regardless of discipline both in scale ECTS, and a 4-point scale. Score scale ECTS 4-point scale not converted and vice versa. Scores of students enrolled in one specialty, given the number of points gained in the discipline ranked on a scale ECTS as follows:

Оцінка ECTS	Статистичний показник
A	Найкращі 10 % студентів
B	Наступні 25 % студентів»
C	Наступні 30 % студентів
D	Наступні 25 % студентів
E	Останні 10 % студентів

Scores of discipline for students who completed the program, successfully converted a traditional 4-point scale by absolute criteria, which are listed in the table below:

Бала з дисципліни	Оцінка за 4-рн бальною шкалик»
Від 170 до 200 балів	5
Від 1.40 до III9 балів	4
Від 139 балів до мінімальної кількості балів, яку повинен набрати стуррнт	3
Нижнє мінімальної кількості балів, яку повинен набрати студент	2

Assessment ECTS in traditional scale not converted as the scale of ECTS and independent four-point scale.

Objectivity evaluation of educational activities of students tested statistical methods (correlation coefficient between ECTS assessment and evaluation on a national scale).

### **Methodical provision**

1. Instructional training materials for independent work of students on practical training, including material for theoretical training and tentative maps for acquiring professional abilities, and skills, tests for self-control under the themes of practical training.
2. Materials for ongoing monitoring and final preparatory stage (assessment tests for input and output of knowledge on topics of practical classes).
3. Instructional materials for extracurricular self-study on the topics submitted for independent study.
4. Guidelines for teachers for practical classes according to the schedule.

### **5 KYPC (9 CEMECTP) List of theoretical questions BASED APPROACH FOR CONTROLS ON TEST learning lesson "DISEASES OF ORAL CAVITY" 5 Courses (9 semester)**

1. Diseases of the oral mucosa. Classification. The role, of external and internal factors in the etiology and pathogenesis.
2. Influence of alcohol and smoking on the origin, evolution and progress of diseases of the oral mucosa.
3. Primary stomatitis caused by the action of mechanical, chemical and physical factors. Causes, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
4. Changes in the oral mucosa during radiotherapy of tumors of maxillofacial area. Treatment, prevention.
5. Catarrhal stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
6. herpetic lesions red border of the lips and oral mucosa in adults. The clinic, diagnosis, differential diagnosis, treatment.
7. Acute aphthous stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
8. Ulcerative stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
9. candidiasis of the oral mucosa. Causes. The. clinic, diagnosis, differential diagnosis, treatment, prevention.
10. Lesions of the oral mucosa in HIV infection and AIDS. The clinic, diagnosis, treatment, prevention.
11. Lesions of the oral mucosa with influenza, infectious mononucleosis, foot and mouth disease. The clinic, diagnosis, treatment, prevention.
11. Manifestations of syphilis in the mouth. Diagnosis, differential diagnosis. Tactics dentist.

16. Lesions of the oral mucosa in the pathology of gastrointestinal tract. The clinic, diagnosis, differential diagnosis, treatment.
17. Lesions of the oral mucosa in the pathology of the endocrine system. The clinic, diagnosis, treatment.
16. Lesions of the oral mucosa in hypo- and beriberi. Clinical manifestations, treatment and prevention.
19. Lesions of the oral mucosa with leukemia, agranulocytosis. Diagnosis, differential diagnosis. Tactics dentist.
20. The manifestations of pernicious anemia in the mouth. Diagnosis, differential diagnosis. Tactics dentist.
21. pemphigus. Its manifestations in the mouth. The clinic, diagnosis, differential diagnosis, treatment.
20. Red flat lichen. The clinic, diagnosis, differential diagnosis, treatment.
21. lupus erythematosus. The clinic, diagnosis, differential diagnosis, treatment.
22. Allergic stomatitis. Diagnosis, differential diagnosis, treatment, prevention.
22. Method staging and assessment of allergic tests (conventional and rotary-prick test). Their importance for the diagnosis of drug allergy.
23. Chronic recurrent aphthous stomatitis. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment.
23. exudative erythema multiforme. The clinic, diagnosis, differential diagnosis, treatment.
28. Manifestations of intoxication with salts of heavy metals in the mouth. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
29. anaphylactic shock. Diagnosis. Providing emergency assistance in anaphylactic shock.
30. angioedema. Clinical manifestations. Providing emergency assistance.
31. Primary glossitis. Deskvamatyvnyy glossitis and diamond-shaped. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment.
32. Skladchatyy and hairy tongue. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment.
33. glossalgia, hlosodyniya. Etiology, pathogenesis, clinical features, differential diagnosis, treatment, prevention.
34. exfoliative cheilitis. Etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.
35. Hlandulyarnyy cheilitis. Etiology, clinical manifestations, diagnosis, differential diagnosis, treatment.
36. actinic cheilitis. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment.
37. eczematous cheilitis. Etiology, clinical features, diagnosis, treatment.
38. Precancerous diseases of the oral mucosa and red fringe lips. Classification.
39. Abrasive cheilitis prekantseroznyy Manhanotti. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment.
40. Leukoplakia. Etiology, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
41. Stomatological chronic intoksication. Concept. Theory of pathogenesis.
42. Diagnosis and chronic intoksication and stomatogenic chronic infection.
43. Clinic stomatogenic chronic infektsion and hronic intoksication.
44. Treatment and prevention stomatogeni chronic infections and chronic intoksication Chronic intoksications.

**List of theoretical questions BASED APPROACH FOR CONTROLS ON TEST learning  
lesson "Differential diagnosis, modern treatment and prevention of major dental diseases"  
5 year (10 semesters)**

1. Classification of non-carious lesions (VK Patrikeev, ICD-10).
2. The current state of the etiology, pathogenesis, clinic, diagnostics non-carious lesions that occur during the formation of dental germs: hypoplasia and fluorosis of the teeth.
3. The current state of the etiology, pathogenesis, clinic, diagnostics non-carious lesions arising after teething: wedge-shaped defect, erosion of hard tooth tissue necrosis hard tissue of teeth.
4. hypersensitivity hard tissues. The clinic, diagnosis, current treatment methods.
5. Injury teeth: etiology, pathogenesis, clinical manifestations, diagnosis, treatment.
6. Plaque. The mechanism of formation, structure, physical properties, chemical composition. Microorganisms plaque. Methods of removing plaque.
7. dental fluorosis. Etiology, pathogenesis, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.
8. Methods of whitening teeth affected by fluorosis.
9. Modern methods of teeth whitening (using hydrogen peroxide and carbamide peroxide). Effect of factors.
10. Cavities: definition, indicators of dental caries lesions, their importance in the organization of dental care to assess the effectiveness of treatment.
11. The theory of dental caries Miller. Advantages and disadvantages. Contribution DA Entin, IG Lukomsky in addressing the etiology and pathogenesis of dental caries.
12. Experimental caries. The contribution of domestic scientists in the development of dental problems (NS Nikitin, MG Bugaev, IA Behelman, Sharpenak AE).
13. Modern views on the etiology and pathogenesis of dental caries. Contribution A.I Rybakov, EV Borowski, PA Lyeusa, VK Leonyeva, VR Okushko in solution.
14. Classification caries. Differential diagnosis of carious lesions.
15. Modern methods of treatment and restoration of teeth with carious lesions.
16. Preventing tooth decay: types, methods of use. Oral health. Evaluating the effectiveness of its role in the prevention and treatment of dental caries.
17. pulpitis. Etiology. The role of microflora and pathways of infection. Pathogenesis pulpitis. The role of sensitization of the organism.
18. Classification pulpitis YM Hofunh, working classification Chair of therapeutic stomatology VDNZU "UMSA", their advantages and disadvantages.
19. Differential diagnosis of pulpitis. Dystrophic changes in pulp inflammatory diseases of the body.
20. Conservative treatment pulpitis: the nature, rationale and indications for use, therapeutic agents, the mechanism of action for the pulp, method of treatment.
21. Surgical treatment pulpitis. Anesthesia. Variety, indications for use, the positive and negative aspects.
22. Etiology and pathogenesis of periodontitis. Classification of periodontitis IG Lukomsky, S A Vayndruha.
23. Differential diagnosis of periodontitis. X-ray. Radiological characterization for periodontal changes in SA Vayridruhom.
24. Features and main stages of the treatment of periodontitis. Modern technology and tool medykamentnoyi root canal treatment.
25. Treatment of periodontitis difficult passable and impassable root canals. Drugs and ways of expanding root canals.
26. Physical methods in treatment of pulpitis and periodontitis.
27. The classification of diseases.

28. Modern views on the etiology and pathogenesis of periodontal diseases. The role of local and general factors.
29. Evaluation criteria periodontal status. Hygienic and periodontal indices (Fedorov, has been received, Green-Vermillion, PI, PMA, KPI, CPITN).
30. Differential diagnosis of periodontal tissue diseases. .
31. Local intervention in the treatment of periodontal disease. Methods for removing dental plaque. Curettage of periodontal pockets. Methods of. The use of drugs.
32. General treatment of periodontitis. Indication. The choice of drugs.
33. Physical treatments for diseases. Indications, contraindications, technique (balneotherapy, massage, electrotherapy, magnetic and laser).

## RECOMMENDED LITERATURE

### Basic:

1. Nikolyshyn A.K. Therapeutic dentistry /A.K. Nikolyshyn: a textbook is for the students of dental faculties of higher medical educational establishments of IV level of accreditation in two volumes, T.I.-Poltava: Divosvit, 2005.- 392 p.
2. Borovskiy E.V. Therapeutic dentistry: a textbook is for the students of dental faculties of higher medical educational establishments.- M.: Med. Inform, agency, 2006.- 840 p.
3. Nikolyshyn A.K. Therapeutic dentistry /A.K. Nikolyshyn: a textbook is for the students of dentistry faculties of higher medical educational establishments of IV level of accreditation in two volumes, TJI.-Poltava: Divosvit, 2007.- 280 p.
4. Preclinical course of therapeutic dentistry: course of lectures /L.O. Tsvykh, O.A. Petryshyn, V.V. Kononenko, M.V.Hysyk-Lviv, 2002.-159p.
5. The methodological manual for practical of therapeutic dentistry /L.O.Tsvykh, O.A. Petryshyn, V.V. Kononenko, M.V. Hysyk.- Lviv, 2003.- 98 p.
6. S. Hussain. Textbook of Dental Materials // Printed of Gopsan Papers Ltd.-NewDelli,2004.- 475p.
7. T.M. Robertson, H.O. Heyinann, E.J. Swift. Sturdevant's Art & Science of Operative Dentistry 4<sup>th</sup>Edition-Mosby, 2002-947p.
8. WJ. O'Brien. Dental Materials and their selection // Quintessence Publishing.-Chicago, Berlin, Tokyo, Copenhagen, London, 2002,- 418 p.
9. James B. Summitt, J. William Robbins, Richard S. Schwartz. Fundamentals of Operative Dentistry (second edition) // Quintessence Publishing, 2001.

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1. Atlas of microanatomy of organs of oral cavity of/LA. Lutsik, VF. Makeev, A.M. Yashchenko, O.E. Zavadka, Yu.V. Makeeva, YuYa. Kryvko.- Lviv: Nautilus, 1999.-208 p.
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3. Dmitrieva AA. Therapeutic dentistry.(M.: Medpress-inform, 2003.) 896 p.
  4. Pediatric dentistry (Editor prof. L.O. Khomenko).( K.: Book plus, 1999.)524 p.
  5. Therapeutic dentistry (Editor Yu.M. Maksimovskij).- M.: Medicine, 2002-640 p.
  6. Preclinical course of therapeutic dentistry /E.A. Skorikovaj V.A. Volkov, N.P. Bazhenova, N.V. Lapina, I.V. Erechev,- Rostov.: Feniks, 2002.- 640 p.
  7. Clinical endodontics: a textbook /Leif Tronstad.- 3rd' rev. ed.- New Yourk, 2009- 249 p.
  8. Stephen Cohen, Richard C Burns. Pathways of the pulp. Eighth edition.-Mosby,2002.- 1031p.
  9. Fan B, Wu M-K, Wesselink PR. Leakage along warm gutta-percha fillings in the apical canals of curved roots. Endod Dent Traumatol 2000;16:29-33.
  - 10.Glosson CR, Haller RH, Brent Dove S, del'Rio .CE. Comparison of root canal preparations using NiTi hand, NiTi engine-driven and K-flex endodontic instruments. J Endod 1995;21:146-51.
  - 11.Molven O, Halse A, Grung B. Surgical management of endodontic failures: indications and treatment results. Int Dent J 1991;41:33-42.
  12. Seltzer and Bender's. Dental pulp // Quintessence Publishing, 2002.

### INFORMATION RESOURCES

1. Official website Danylo Halysky Lviv national medical university: <http://www.meduniv.lviv.ua/>
2. Electronic information resources University Library:
  - Library Catalogue.
  - Directory Information sources: encyclopedias, reference books, dictionaries.
  - Educational electronic publications and resources: Materials containing organic material within the framework of the course.
2. Information on the Web:
  - <http://obkmed.by/stomatologiya/propedevtika-stomatologicheskikh-zabolevanij-skorikova-1-a.html>
  - [http://dentalss.org.ua/load/Imiga\\_stomatologia/obshhaja\\_stomatologija/propedevtika\\_stomatologicheskikh\\_zabolevanij/6-1 -0-422](http://dentalss.org.ua/load/Imiga_stomatologia/obshhaja_stomatologija/propedevtika_stomatologicheskikh_zabolevanij/6-1 -0-422)
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  - <http://www.booksmed.com/stomatologiya/153-terapevticheskaya-stomatologiya-borovskij.html>