

AMENDMENTS AND CHANGES TO MODULE "PERIODONTOLOGY" **for the specialty "DENTISTRY"**

2025/2026 academic year

Amendments and changes	Basis/Reason
Use in the educational process as the basic (main) literature: 1. Newman, M. G. et al., Newman and Carranza's Clinical Periodontology and Implantology. 14-th ed. Saunders Elsevier, 2023. – 1112 c.	Department meeting (protocol # 18 of 21 may 2025)
2. Changes have been introduced into the Thematic Plan and into the Educational Discipline Curricular Chart	Educational Plan for 2025/2026 academic year

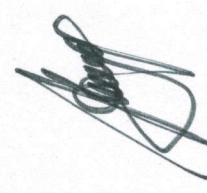
The curriculum is revised and approved at the meeting of the Department of Periodontology (protocol # 18 of 21 may 2025)

Head of the Department of Periodontology
 MD, PhD, DMSci, Professor


 L.N. Dedova

APPROVED

Head of the Council
 of the Medical Faculty for International Students


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THEMATIC PLAN

Section (topic) name	Number of class hours	
	lectures (incl. SSIW)	practical (laboratory or seminars)
Academic discipline «Clinical periodontology»		
1. Basics of periodontal biology		7
1.1. The structure of periodontal tissues, terminology in periodontology. Factors influencing periodontal condition		7
1.2. Dynamics of the periodontal biological system. Concepts of the development of periodontal diseases		
2. Periodontal tissues, determination of their condition. Characteristics of healthy periodontium. Classification of periodontal diseases		14
3. Ergonomics. Principles of ergonomics. Ergonomic requirements in the process of performing periodontal manipulations		7
4. Diagnosis of periodontal diseases	1,5	21
4.1. Stages of examination. Primary visual characteristics of periodontium. Radiation diagnostics in periodontology.		7
4.2. Index diagnostics. Characteristics of research methods. Detailed examination of periodontal tissues		7
4.3. Functional methods for studying periodontal tissues. Laboratory diagnostics for periodontal diseases.		7
5. Preparatory treatment of patients with periodontal diseases: hygienic measures		21
5.1. Classification of dental deposits and their characteristics. Motivation and instruction in oral care		7
5.2. Professional mechanical removal of dental plaque		7
5.3. Professional removal of dental plaque using devices and chemicals		7
6. Prognosis and treatment planning for patients with periodontal disease	1,5	7
7. Chronic gingivitis	1,5	21
7.1. Chronic simple marginal gingivitis		7
7.2. Chronic gingivitis, ulcerative, hyperplastic,		14

Section (topic) name	Number of class hours	
	lectures (incl. SSIW)	practical (laboratory or seminars)
symptomatic		
8. Chronic periodontitis. Development mechanism. Clinical manifestations of generalized periodontitis. Clinical protocol	1,5	14
9. Occlusal periodontal trauma. Development mechanism. Clinical picture. Occlusion therapy methods		7
10. Endoperiodontitis. Mechanism of development, clinical manifestations. Treatment planning	1,5	7
11. Medication treatment of periodontal diseases		7
12. Acute inflammatory diseases of periodontal tissues	1,5	6
12.1. Acute ulcerative gingivitis. Clinical manifestations, diagnosis, treatment methods		3
12.2. Acute periodontal abscess. Clinical manifestations, diagnosis, treatment methods		3
13. Gum recession. Periodontal atrophy. Clinical picture, diagnosis of gum recession and periodontal atrophy. Treatment of gum recession using cellular technologic		6
14. Rapidly progressive periodontitis. Diagnosis, clinical picture, treatment planning	1,5	6
14. Propaedeutics of periodontal surgery	1,5	6
15. Prevention of periodontal diseases. Oral hygiene products and methods. Maintenance therapy in patients with periodontal disease. Principles of maintenance therapy. Sequence of treatment and preventive measures		6
Всего часов	12	156
Academic discipline «Complex periodontology»		
1. Principles of the peri-restorative complex in periodontology		7
1.1. Monitoring the clinical condition of the surroundings of the root and crown of the tooth being restored in the dynamics of the periodontal biological system		2 5
1.2. Stages of tooth shape restoration in patients with periodontal diseases		
2. Endoperiodontitis. Clinical protocol		7
3. Aesthetics in periodontology. Methods of therapeutic measures to improve the aesthetic	1,5	7

Section (topic) name	Number of class hours	
	lectures (incl. SSIW)	practical (laboratory or seminars)
condition of periodontal tissues		
4. Planning complex treatment of patients with periodontal diseases using orthopedic, orthodontic, implantological measures, cellular technologies	1,5	7
5. Orthodontic measures in patients with periodontal diseases	1,5	7
6. Plastic, resective, regenerative surgery in periodontology	1,5	14
6.1. Plastic surgery in periodontology		7
6.2. Resective, regenerative surgery in periodontology		7
7. Dental implantation in periodontology		7
7.1. Peri-implant tissues: anatomical and functional characteristics, their condition before and after orthopedic treatment		2
7.2. Methods and means of dental implantation. Errors and complications during dental implantation. Maintenance therapy		5
8. Rapidly progressive periodontitis. Diagnosis, clinical picture, treatment planning		7
9. The relationship between periodontal diseases and systemic diseases		7
10. Physiotherapy of periodontal diseases		7
11. Planning periodontal care for special categories of patients: after infection caused by Covid-19, pregnant women, disabled people, athletes		7
11.1. Features of the biological periodontal system in pregnant women		2
11.2. Features of therapeutic and diagnostic measures in patients with periodontal diseases who have had Covid-19		3
11.3. Features of periodontal care for disabled people, athletes and other categories of patients		2
12. Dentin sensitivity in patients with periodontal disease		7
12.1. Clinical picture, diagnosis of dentin sensitivity		3
12.2. Treatment methods for dentin sensitivity		4
Всего часов	6	91

EDUCATIONAL AND METHODOLOGICAL MODULE CARD «PERIODONTOLOGY»

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
Academic discipline «Clinical periodontology»							
7 semester							
	Lectures						
1.	Diagnosis of periodontal diseases	1,5					
2.	Chronic gingivitis	1,5					
3.	Prognosis and treatment planning for patients with periodontal disease	1,5					
4.	Chronic periodontitis. Development mechanism. Clinical manifestations of generalized periodontitis. Clinical protocol	1,5					
	Practical						
1.	Ergonomics. Principles of ergonomics. Ergonomic requirements in the process of performing periodontal manipulations		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature
2.	Basics of periodontal biology		7	-			

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
2.1	The structure of periodontal tissues, terminology in periodontology. Factors influencing periodontal condition		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*
2.2	Dynamics of the periodontal biological system. Concepts of the development of periodontal diseases						
3.	Periodontal tissues, determination of their condition. Characteristics of healthy periodontium. Classification of periodontal diseases		7	-			
2.1.	Periodontal tissues. Criteria and means for determining the normal state of periodontal tissues		4	-			Interview, electronic tests, solving clinical problems, reviewing additional literature
2.2.	Classification of periodontal diseases: gingivitis, periodontitis, endoperiodontitis, gum recession, periodontal atrophy, gingival hypertrophy		3	-			
3.							

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
4.	Diagnosis of periodontal diseases		21	-			
4.1.	Stages of examination Primary visual characteristics of the periodontium. Radiation diagnostics in periodontology.		7	-	Carrying out periodontal probing of the pathological periodontal pocket (determination of bleeding, depth, subgingival tartar, state of the periodontal attachment)	On simulation equipment. Demonstration of periodontal probing*	Interview, electronic tests, solving clinical problems, reviewing additional literature*
4.2.	Index diagnostics. Characteristics of research methods. Detailed examination of periodontal tissues		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*
4.3.	Functional methods for studying periodontal tissues Laboratory diagnostics for periodontal diseases.		7	-	Performing an assessment of the resistance of gum capillaries (vacuum test for the resistance of gum capillaries)	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature*
5.	Chronic gingivitis		21	-			

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
5.1.	Chronic simple marginal gingivitis. Development mechanism. Clinical picture, treatment		7	-	Use of mandatory diagnostic methods, clinical and radiological characteristics, making a diagnosis of “gingivitis” in accordance with the clinical protocol	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature*
5.2.	Chronic ulcerative gingivitis Development mechanism. Clinical picture. Treatment		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature
5.3.	Chronic hyperplastic, symptomatic gingivitis. Development mechanism. Clinical picture. Treatment		7	-	Assessing the reaction of the gingiva to mechanical pressure (symptom of “vasoparesis” of the gingiva)	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature*. Test

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
6.	Prognosis and treatment planning for patients with periodontal disease		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*
7.	Preparatory treatment of patients with periodontal diseases: hygienic measures		21	-			
7.1.	Classification, characteristics and diagnosis of dental plaque. Motivation and instruction in oral care		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*
7.2.	Professional mechanical removal of dental plaque		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
7.3.	Professional removal of dental plaque using devices, chemicals and combined method		7	-	Carrying out obligatory measures for patients with periodontal diseases with the removal of dental plaque	On simulation equipment. Demonstration of periodontal probing*	Interview, electronic tests, solving clinical problems, reviewing additional literature*
8 semester							
	Lecture						
1.	Endoperiodontitis. Mechanism of development, clinical manifestations. Treatment planning	1,5					
2.	Rapidly progressive periodontitis. Diagnosis, clinical picture, treatment planning	1,5					
3.	Acute inflammatory diseases of periodontal tissues	1,5					
4.	Propaedeutics of periodontal surgery	1,5					
	Practical						
1.	Medication treatment of periodontal diseases		7	-	Determination of indications and contraindications for drug therapy in accordance with clinical protocols for patients with periodontal diseases	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature*

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
2.	Chronic periodontitis. Development mechanism. Clinical manifestations of generalized periodontitis		14	-			
2.1.	Development mechanism. Clinical manifestation of forms, course, prevalence, severity of chronic periodontitis. Periodontal pocket. Classification, development mechanism, histopathology, microbiology, diagnostic methods		7	-	Applying a therapeutic bandage to the gingiva	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature
2.2.	Differential diagnosis of chronic periodontitis. Clinical protocols		7	-	Use of obligatory diagnostic methods, clinical and radiological characteristics, making a preliminary diagnosis of "periodontitis" in accordance with the clinical protocol	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature*
3.	Occlusal periodontal trauma. Development mechanism. Clinical picture. Occlusion therapy methods		6	-			Interview, electronic tests, solving clinical problems, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
4.	Endoperiodontitis. Mechanism of development, clinical manifestations. Treatment planning		7	-			Interview, electronic tests, solving clinical problems, reviewing additional literature
5.	Acute inflammatory diseases of periodontal tissues		6	-			
5.1.	Acute ulcerative gingivitis. Clinical manifestations, diagnosis, treatment methods		3	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*
5.2.	Acute periodontal abscess. Clinical manifestations, diagnosis, treatment methods		3	-			Interview, electronic tests, solving clinical problems, reviewing additional literature*
6.	Rapidly progressive periodontitis. Diagnosis, clinical picture, treatment planning	-	6	-			Interview, electronic tests,

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
							demonstration of practical skills, reviewing additional literature
7.	Gum recession. Periodontal atrophy. Clinical picture, diagnosis of gum recession and periodontal atrophy. Treatment of gum recession using cellular technologies		6	-			Interview, electronic tests, solving clinical problems, reviewing additional literature
8.	Propaedeutics of periodontal surgery		6	-			Interview, electronic tests, solving clinical problems, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
9.	Prevention of periodontal diseases. Oral hygiene products and methods. Maintenance therapy in patients with periodontal disease. Principles of maintenance therapy. Sequence of treatment and preventive measures		6	-	Possession of communication skills when interacting with a patient, observing medical ethical principles. Preparation of medical and reporting documentation established at the appointment of patients with periodontal diseases	Demonstration of periodontal probing	Interview, electronic tests, solving clinical problems, reviewing additional literature.* Exam
	Academic discipline «Complex periodontology»						
	9 semester						
	Lecture						
1.	Aesthetics in periodontology. Methods of therapeutic measures to improve the aesthetic condition of periodontal tissues	1,5					
2.	Planning complex treatment of patients with periodontal diseases using orthopedic, orthodontic, implantological measures, cellular technologies	1,5					
	Practical						

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
1.	Rapidly progressive periodontitis. Diagnosis, clinical picture, treatment planning	-	7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
2.	Endoperiodontitis. Clinical protocol		7	-			Interview, electronic tests, reviewing of additional literature
3.	The relationship between periodontal diseases and systemic diseases	-	7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
4.	Principles of the peri-restorative complex in periodontology		7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
4.1	Monitoring the clinical condition of the surroundings of the root and crown of the tooth being restored in the dynamics of the periodontal biological system		2	-			Interview, tests, demonstration of practical skills, solving clinical problems, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
4.2	Stages of tooth shape restoration in patients with periodontal diseases		5	-			Interview, tests, demonstration of practical skills, solving clinical problems, reviewing additional literature
5.	Aesthetics in periodontology. Methods of therapeutic measures to improve the aesthetic condition of periodontal tissues		7	-			Interview, tests, demonstration of practical skills, solving clinical problems, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
6.	Dentin sensitivity in patients with periodontal disease	-	7	-	inition and interpretation of the complex index of differentiated tooth sensitivity (CIDS) in a patient with dentin sensitivity		Interview, electronic tests, demonstration of practical skills, reviewing additional literature
6.1.	Clinical picture, diagnosis of dentin sensitivity	-	3	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
6.2.	Treatment methods for dentin sensitivity	-	4	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature/ Test

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
	10 semester						
	Lecture						
1.	Orthodontic measures in patients with periodontal diseases						
2.	Plastic, resective, regenerative surgery in periodontology						
	Practical						
1.	Planning complex treatment of patients with periodontal diseases using orthopedic, orthodontic, implantological measures, cellular technologies		7	-	Определение показаний и противопоказаний к хирургическим вмешательствам у пациентов с периодонтитом		Interview, electronic tests, reviewing literature
2.	Orthodontic measures in patients with periodontal diseases		7	-			Interview, electronic tests, reviewing literature
3.	Plastic, resective, regenerative surgery in periodontology		14	-			Interview, electronic tests, reviewing literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
3.1.	Plastic surgery in periodontology		7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
3.2.	Resective, regenerative surgery in periodontology	-	7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
4.	Dental implantation in periodontology	-	7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
4.1	Peri-implant tissues: anatomical and functional characteristics, their condition before and after orthopedic treatment	-	2	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
4.2.	Methods and means of dental implantation. Errors and complications during dental implantation. Maintenance therapy	-	5	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
5.	Physiotherapy of periodontal diseases	-	7	-	Determination of indications and contraindications for physiotherapy treatment in patients with gingivitis		Interview, electronic tests, demonstration of practical skills, reviewing additional literature
6.	Planning periodontal care for special categories of patients: after infection caused by Covid-19, pregnant women, disabled people, athletes	-	7	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
6.1	Features of the biological periodontal system in pregnant women	-	2	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skills	Form of control	
		lectures	practical (laboratory or seminars)				
6.2	Features of therapeutic and diagnostic measures in patients with periodontal diseases who have had Covid-19	-	3	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature
6.3	Features of periodontal care for disabled people, athletes and other categories of patients	-	2	-			Interview, electronic tests, demonstration of practical skills, reviewing additional literature