#### Summary of the working program of the academic discipline

# <u>« Innovative technologies in therapeutic dentistry »</u> (name of the academic discipline)

General Educational Program of higher education (<u>specialist's degree programs</u>) 31.05.03 Dentistry\_\_\_\_

code, name of the specialty

Department: Therapeutic Dentistry.

**1. The purpose of mastering the discipline** (participation in the formation of relevant competencies – specify the codes):

the program of elective disciplines is aimed at an in-depth study of therapeutic dentistry - the leading among dental disciplines, since the main place in it is occupied by the problems of not only treatment, but also the prevention of major dental diseases.

The purpose of teaching therapeutic dentistry as a discipline of choice is an in-depth study of the causes, mechanisms of development, modern methods of diagnosis and treatment of diseases of the teeth, periodontium and oral mucosa.

Able to carry out a critical analysis of problem situations based on a systematic approach, to develop an action strategy (UC-1).

Ability and readiness to conduct preventive medical examinations, medical examinations of various categories of citizens and the implementation of dispensary observation of patients with dental pathology (PC-2).

Willingness to collect and analyze complaints and other information from the patient (relatives / legal representatives), his medical history, interpretation of examination results, laboratory, instrumental, pathoanatomical and other studies in order to recognize the condition or establish the presence or absence of a dental disease, symptoms, syndromes of dental diseases, the establishment of nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, and other regulatory documents of the Ministry of Health of the Russian Federation (Procedure for the provision of medical care, Standard of Medical Care, Clinical Recommendations on the provision of medical care, etc.) (PC -6).

Willingness to participate in scientific research, analysis and public presentation of medical information based on evidence-based medicine and to participate in the implementation of new methods and techniques aimed at protecting public health and reducing dental morbidity (PC-12).

## 2. Position of the academic discipline in the structure of the General Educational Program (GEP).

- 2.1. The discipline "Innovative technologies in therapeutic dentistry" refers to the obligatory part of Block 1 of the OOP HE, is studied in the 10th semester.
- 2.2. To study the discipline, knowledge, skills and abilities are necessary, formed by the previous disciplines:
  - 2.2.1. pathological physiology.

Knowledge - Inflammation. Pathology of thermoregulation. Fever. Tumors. Allergy.

Skills - to identify the presence of inflammation, an allergic reaction, a tumor.

Skills - to determine the severity and severity of the inflammatory process

2.2.2. Pathological anatomy.

Knowledge - Inflammation. Necrosis. Regeneration. Tumors. Injuries.

Skills - to take material for cytological examination (scrapings, prints) from the area under study;

Skills - to distinguish various pathological processes from each other.

2.2.3. Pharmacology.

Knowledge - Antiseptics in the clinic of therapeutic dentistry.

Enzymes. Antibiotics. Antimicrobial and antiparasitic agents. Means that affect tissue metabolism. Antidotes and complexones.

Tranquilizers and sedatives. Narcotic and non-narcotic analgesics. Local anesthetic drugs.

Skills - the choice of the necessary drug depending on the pathology

Skills - write prescriptions for drugs.

2.3. And the study of the discipline is necessary for the knowledge, skills and abilities formed by subsequent disciplines/practices:

Department of Therapeutic Dentistry - graduating department.

### 3. Deliverables of mastering the academic discipline and metrics of competence acquisition

The study of the discipline is aimed at developing the following universal (UC), general

professional (OPC) and professional (PC) competencies among students:

No.	Compete	The content of the	Code and name of	As a result		the discipline,
p / p	nce code	competence (or its part)	the competence acquisition metric	Know	Be able to	Own
1.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IET 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUK 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience IUK 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	Principles and methods of search, analysis and synthesis of information.	Apply the principles and methods of searching, analyzing and synthesizing information; Competentl y, logically, reasonably form their own judgments and assessments.	Practical skills of searching, analyzing and synthesizing information.
	PC-2	the ability and willingness to conduct preventive medical examinations, medical examinations of various categories of citizens and the implementation of dispensary observation of patients with dental pathology	IPC 2.1 Knows:  Normative legal acts regulating the procedures for conducting preventive medical examinations and medical examinations.  The main criteria for a healthy lifestyle and methods for its formation.  Socio-hygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention.  Forms and methods of sanitary and hygienic education among.	pathological anatomy, clinic, differential diagnosis, methods of treatment and prevention of caries; pulpitis, periodontitis , periodontal diseases and oral mucosa; methods and means used in the medical examination	prescribe and conduct training in rational oral hygiene; carry out therapeutic measures for enamel remineraliza tion in order to prevent and treat caries and non-carious lesions of the teeth; carry out comprehensi ve measures for the prevention	methods of preparation, mechanical and drug treatment and filling of carious cavities; remotherapy techniques; methods of mechanical and drug treatment of root canals; root canal filling techniques; methods of treatment of periodontal diseases;

patients (their legal representatives), medical workers Features of specific and non-specific prevention of dental diseases The main hygienic measures of a healthimproving nature that promote health and prevent the occurrence of dental diseases Etiology, pathogenesis, prevention of dental diseases **Fundamentals** Preventive Medicine Stages of planning and implementation community programs for the prevention of dental diseases IPC 2.2 Able to: Conduct health and hygiene education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent dental diseases Carry out health education among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases To form in children and adults (their legal representatives) behavior aimed at maintaining and improving the level of somatic and dental health Develop and healthy implement lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances Develop a plan of preventive measures and implement

of caries; determine the index of oral hygiene according to Fedorov Volodkina, according to Green-Vermillion; determine the type of plaque on the teeth, tartar, its color, consistency; carry out therapeutic manipulatio ns eliminate complicatio ns associated with the treatment of caries and its complicatio ns; remove dental deposits: plaque, supra- and subgingival

tartar; polish

after

teeth

tartar

removal

, dispensary

depending

the

groups

dental

disease

on

methods of treatment of diseases of the oral mucosa; methods of treatment of non-carious lesions of hard dental tissues: methods of injection and non-injection local anesthesia; of methods treatment of pulpitis, apical periodontitis and caries; methods of professional oral hygiene; fissure sealing techniques.

methods of group and individual prevention of major dental diseases Conduct preventive medical dental examinations of the population preventive Assign measures to patients, taking into account risk factors for the prevention and early detection of diseases, including cancer Conduct the selection and prescription of drugs and non-drug for methods the prevention of dental diseases in children and adults Carry out dispensary supervision children and adults with dental diseases IPC 2.3 Has practical experience: Promotion of healthy lifestyle and prevention of dental diseases Carrying out health education among children and adults with dental diseases Formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of somatic health Formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances Development of a plan preventive of measures and the implementation methods for group and individual prevention of dental diseases Carrying out preventive medical dental examinations of the population, taking into account age

	Т			Т	Т	
			Prescribing preventive measures for children			
			and adults with dental			
			diseases, taking into			
			account risk factors,			
			oncological and			
			hygienic prevention in			
			accordance with the			
			procedures for			
			providing medical			
			care, clinical			
			recommendations,			
			taking into account the			
			standards of medical			
			care			
			Selection and			
			prescription of drugs			
			and non-drug methods			
			for the prevention of			
			dental diseases in			
			children and adults			
			Conducting a			
			dispensary			
			examination of			
			children and adults			
			with dental diseases			
			Monitoring			
			compliance with dental preventive			
			dental preventive measures			
			measures			
3.	PC-6	readiness to collect,	IPC 6.1 Knows:	pathological	conduct	methods of
		analyze complaints	The methodology for	anatomy,	examination	treatment of
		and other information	collecting complaints	clinic,	of patients	periodontal
		from the patient	and anamnesis from	differential	in order to	diseases;
		(relatives/legal	patients (their legal	diagnosis,	diagnose	methods of
		representatives), data	representatives).	methods of	caries,	treatment of
		from his anamnesis,	Methods of physical	treatment	pulpitis,	diseases of the
		interpretation of	examination of	and	periodontitis	oral mucosa;
		examination results,	patients (examination,	prevention	, non-	methods of
		laboratory,	palpation, percussion,	of caries;	carious	treatment of
		instrumental,	auscultation).	classificatio	lesions of	non-carious
		pathological and other	The procedure for	n, etiology,	the teeth,	lesions of hard
		studies, incl.	providing medical	pathogenesi	periodontal	dental tissues;
		diagnostic studies	care to the adult	S,	diseases and	methods of
		using modern technical means and	population with dental diseases	pathological anatomy of	oral mucosa, take a smear	treatment of pulpitis, apical
		digital technologies, in	The procedure for	pulpitis;	for	periodontitis
		order to recognize the	providing medical	clinic,	cytological,	and caries
		state or establish the	care to children with	differential	bacterioscop	2110 041100
		presence or absence of	dental diseases	diagnostics,	ic ,	
		a dental disease,	Clinical guidelines on	methods of	bacteriologi ,	
		symptoms, syndromes	the provision of	treatment of	cal	
		of dental diseases, the	medical care to	inflammatio	examination	
		establishment of	patients with dental	n of the	of the	
			diseases	pulp;	contents of	
		nosological forms in	uiseases			
		nosological forms in accordance with the	Standards of care	classificatio	the pocket;	
		accordance with the International	Standards of care IPK 6.2. Can:		the pocket; perform	
		accordance with the International Statistical	Standards of care IPK 6.2. Can: interpret the results of	classificatio	perform palpation of	
		accordance with the International Statistical Classification of	Standards of care IPK 6.2. Can: interpret the results of examination,	classificatio n, etiology, pathogenesi s,	perform palpation of regional	
		accordance with the International Statistical Classification of Diseases and Related	Standards of care IPK 6.2. Can: interpret the results of examination, laboratory,	classificatio n, etiology, pathogenesi s, pathological	perform palpation of regional lymph	
		accordance with the International Statistical Classification of Diseases and Related Health Problems, and	Standards of care IPK 6.2. Can: interpret the results of examination, laboratory, instrumental,	classificatio n, etiology, pathogenesi s, pathological anatomy of	perform palpation of regional lymph nodes of the	
		accordance with the International Statistical Classification of Diseases and Related	Standards of care IPK 6.2. Can: interpret the results of examination, laboratory,	classificatio n, etiology, pathogenesi s, pathological	perform palpation of regional lymph	

Ministry of Health of the Russian Federation (Procedure for the provision of medical care, Standard of medical care, Clinical recommendations on the provision of medical care, etc.)

diagnostic studies modern using technical means and digital technologies, in order to recognize the state or establish fact of the presence or absence of dental disease. a symptoms, syndromes of dental diseases, the establishment nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, and regulatory other of documents the Ministry of Health of the Russian Federation (Procedure for the provision of medical care, Standard medical care, Clinical recommendations on the provision medical care, etc.) Develop a plan for the treatment of children and adults with dental diseases in accordance with the procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care. IPC 6.3 Has practical experience: interpretation of the results of examination, laboratory, instrumental, pathoanatomical and other studies, incl. diagnostic studies using modern technical means and digital technologies, in order to recognize the state or establish fact of the presence or absence of dental disease, symptoms, syndromes

of dental diseases, the

nosological forms in

accordance with the

of

of

establishment

International Statistical

Classification

classificatio n, etiology, pathogenesi pathological anatomy of dental lesions non-carious origin. Clinic. differential diagnosis, methods of prevention and treatment of lesions hard tissues of the tooth of noncarious origin; clinic, differential diagnostics, methods of treatment of periodontal inflammatio classificatio n, etiology, pathogenesi pathological anatomy of diseases of the oral mucosa. Clinic. differential diagnosis, methods of prevention and treatment of diseases of the oral mucosa

soft tissues of the face; palpation of the oral mucosa: determine the morphologic al elements of the lesion: probe deep ulcers, fistulas; take material for cytological examination (scrapings, prints); take material for direct microscopy for fungi, fusospiroche tes; to carry out therapeutic measures in case of damage to the oral mucosa with arsenic salts; local treatment of lesions of the mucous membrane removal of plaque, necrotic tissues, washing, irrigation, applications; inject drugs under the elements of the lesion; eliminate local traumatic factors determin e the index of oral hygiene accordin g to Fedorov

Volodki

	1	1			T	
			Diseases and Related		na,	
			Health Problems, and		accordin	
			other regulatory		g to	
			documents of the		Green-	
			Ministry of Health of		Vermilli	
			the Russian Federation		on;	
			(Procedure for the		on,	
			`		describe	
			provision of medical		radiographs;	
			care, Standard medical		determine	
			care, Clinical		the degree	
			recommendations on		of tooth	
			the provision of			
			medical care, etc.)		mobility (I,	
			Development of a		II , III );	
			treatment plan for			
			children and adults			
			with dental diseases,			
			taking into account the			
			diagnosis, age and			
			clinical picture in			
			accordance with the			
			current procedures for			
			the provision of			
			medical care, clinical			
			recommendations,			
			taking into account the			
			standards of medical			
	20.5		care	4		1 1 0
4	PC-7	the ability to	IPC 7.1 Knows:	clinic,	choose and	methods of
		determine the tactics	Methods of drug and	differential	carry out a	treatment of
		of managing patients	non-drug treatment,	diagnostics,	rational	non-carious
		with various dental	medical indications	methods of	method of	lesions of hard
		diseases in accordance	for the use of medical	treatment of	treating	dental tissues;
		with the Clinical	devices for dental	inflammatio	caries,	methods of
		Guidelines and other	diseases	n of the	pulpitis,	preparation,
		regulatory documents	Groups of drugs used	pulp;	periodontitis	mechanical
		of the Ministry of	to provide medical	periodontal,	_	
		_		-	, periodontal	C
		Health of the Russian	care in the treatment	periodontal	diseases,	treatment and
		Federation on an	of dental diseases; the	and diseases	oral mucosa,	filling of
		outpatient basis and in	mechanism of their	of the oral	depending	carious
		a day hospital, taking	action, medical	mucosa,	on the	cavities;
		into account the age of	indications and	classificatio	clinical	methods of
		the patient.	contraindications to	n, etiology,	manifestatio	treatment of
			the appointment;	pathogenesi	ns and the	pulpitis, apical
			compatibility, possible	S,	state of the	periodontitis
			complications, side	pathological	body as a	and caries,
			effects, adverse	anatomy.	whole;	methods of
			*	Methods of		professional
					apply paste	
			serious and	treatment,	for pulp	hygiene,
			unexpected	indications,	devitalizatio	removal of
	1	1	Principles, techniques	contraindica	n;	dental
				4.5	I aman tha	1 1
			and methods of	tions to	open the	deposits,
			anesthesia, selection	methods of	cavities	methods of
			anesthesia, selection	methods of	cavities	methods of
			anesthesia, selection of the type of local anesthesia in the	methods of	cavities of all anatomic	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental	methods of	cavities of all anatomic al groups	methods of treatment of
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases	methods of	cavities of all anatomic al groups of teeth,	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or	methods of	cavities of all anatomic al groups of teeth, prepare	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate	methods of	cavities of all anatomic al groups of teeth, prepare the	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate complications, side	methods of	cavities of all anatomic al groups of teeth, prepare the crowns	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate complications, side effects, adverse	methods of	cavities of all anatomic al groups of teeth, prepare the crowns of intact	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate complications, side effects, adverse reactions, including	methods of	cavities of all anatomic al groups of teeth, prepare the crowns	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate complications, side effects, adverse reactions, including serious and	methods of	cavities of all anatomic al groups of teeth, prepare the crowns of intact teeth;	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases  Ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, that	methods of	cavities of all anatomic al groups of teeth, prepare the crowns of intact teeth; remove the	methods of treatment of diseases of the
			anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate complications, side effects, adverse reactions, including serious and	methods of	cavities of all anatomic al groups of teeth, prepare the crowns of intact teeth;	methods of treatment of diseases of the

examination treatment of patients with diseases of the teeth, pulp, periodontium, periodontium, oral mucosa and lips Materials science. technologies, equipment and medical products used in dentistry Anatomy of the head, maxillofacial region, blood features of supply and innervation; the structure of the teeth; histology and embryology of the oral cavity and teeth, the main violations of embryogenesis IPK 7.2. Able to: Develop a plan for the treatment of children and adults with dental diseases in accordance with the procedures for the provision of medical care, clinical guidelines, taking into account the standards of care Select and prescribe medicines, medical devices (including dental materials), dietary nutrition, medical and recreational regimen for the treatment of children and adults with dental diseases in accordance with the current procedures for provision medical care, clinical recommendations, taking into account the standards of medical care medical Determine indications and contraindications for local anesthesia techniques in the maxillofacial region Perform local anesthesia (application, infiltration, conduction) in children and adults with dental diseases

n from the root canal; to carry out instrumental drug treatment of the root canal. drying, determining the degree of its patency; seal root canals with pastes and sealants without using and using pins; remove fragments of instruments from the root canal; carry out the removal of supra- and subgingival dental deposits, applications on the oral mucosa, blockade under the elements of the lesion take a smear for cytological, bacterioscop ic bacteriologi cal examination of the contents of the pocket; perform palpation of regional lymph nodes of the facial skeleton, soft tissues of the face; palpation of the oral mucosa: determine the morphologic al elements

Perform medical interventions, including therapeutic ones, in children and adults with dental diseases on an outpatient basis (excluding repeated endodontic treatment): - individual training in dental and oral hygiene, selection of means and items for oral hygiene - controlled brushing of teeth - professional oral and dental hygiene - injection of drugs in the maxillofacial area - local application of remineralizing drugs in the area of the tooth - deep fluoridation of tooth enamel - sealing the fissure of the tooth with a sealant - professional teeth whitening - grinding of hard tissues of the tooth - restoration of a tooth with a filling using dental cements, chemical curing materials, photopolymers - restoration of teeth with a violation of the contact point - tooth restoration with filling material using anchor pins of application devitalizing paste pulpotomy (amputation of the coronal pulp) - pulp extirpation - instrumental and medical treatment of a well-passable canal - temporary filling of the root canal with a - filling the root canal of the tooth with paste, gutta-percha pins removal of supragingival and

subgingival plaque in the tooth area (manual

of the lesion; probe deep ulcers, fistulas; take material for cytological examination (scrapings, prints); take material for direct microscopy for fungi, fusospiroche tes; to carry out therapeutic measures in case of damage to the oral mucosa with arsenic salts; local treatment of lesions the mucous membrane removal of plaque, necrotic tissues, washing, irrigation, applications; inject drugs under the elements of the lesion; eliminate local traumatic factors

method)		
- ultrasonic removal of		
supragingival and		
subgingival dental		
deposits in the tooth		
area		
- closed curettage for		
periodontal diseases in		
the tooth area		
- application of a		
medical dressing for		
periodontal diseases in		
the area of one jaw		
- prescription of drug		
therapy for diseases of		
the oral cavity and		
teeth		
- appointment of		
dietary therapy for		
diseases of the oral		
cavity and teeth		
Perform medical		
interventions,		
including surgical		
ones, in children and		
adults with dental		
diseases on an		
outpatient basis		
(excluding the		
extraction of impacted		
and dystopic teeth):		
- removal of a tooth		
1 0		
temporary tooth		
- permanent tooth		
extraction		
- opening and		
drainage of		
odontogenic abscess		
Carry out phased		
sanitation of the oral		
cavity (excluding		
sanitation of the oral		
cavity in children		
under anesthesia)		
Perform medical		
interventions,		
including orthopedic,		
in adults with dental		
diseases on an		
outpatient basis		
(excluding prosthetics		
on dental implants,		
technologies for		
automated production		
of orthopedic		
structures, complete		
removable lamellar		
and clasp dentures):		
- obtaining anatomical		
and functional		
impressions		
- restoration of a tooth		
with a crown		
- restoration of the		[

integrity of the		
dentition with fixed		
bridges		
- prosthetics with		
partial removable		
lamellar dentures		
- correction of a		
removable orthopedic		
structure		
- removal of a fixed		
orthopedic structure		
Interpret the results of		
X-ray studies of the maxillofacial region		
Conduct counseling		
for children and adults		
with diseases of the		
mucous membranes of		
the mouth and lips,		
determine indications		
for referral for a		
consultation with		
specialist doctors		
Prevent or eliminate		
complications, side		
effects, adverse		
reactions, including		
unforeseen ones,		
resulting from		
diagnostic or therapeutic		
manipulations, the use		
of drugs and (or)		
medical devices, non-		
drug treatment		
IPC 7.3 Has practical		
experience:		
Selection and		
prescription of		
medicines, medical		
devices (including		
dental materials) for		
the treatment of dental		
diseases in children		
and adults in		
accordance with the		
current procedures for		
the provision of medical care, clinical		
guidelines, taking into		
account the standards		
of medical care		
Prescribing dietary		
nutrition, health-		
improving regimen in		
the treatment of dental		
diseases in children		
and adults in		
accordance with the		
current procedures for		
the provision of		
medical care, clinical		
recommendations,		
taking into account the		
standards of medical		

care Performing medical interventions in children and adults with dental diseases in accordance with the current procedures for provision medical care, clinical guidelines, taking into account the standards of medical care Evaluation of the results of medical interventions in children and adults with dental diseases Selection of the type and conduct of local anesthesia (application, infiltration, conduction) in children and adults with dental diseases Evaluation of the efficacy and safety of the use of drugs, medical devices and non-drug treatment in children and adults with dental diseases Counseling children adults and with the diseases of mucous membranes of the mouth and lips, determining indications for referral for a consultation with specialist doctors Selection and of prescription medicines and medical devices, taking into account the diagnosis, age and clinical picture of a dental disease in accordance with the procedures for providing medical clinical care, recommendations, taking into account the standards of medical care Definitions of routes administration, regimen and dosage of drugs Selection and prescription of nondrug treatment for children and adults with dental diseases in

		1				
			accordance with the			
			procedures for			
			providing medical care, clinical			
			guidelines, taking into			
			account the standards			
			of medical care			
			Prevention and			
			treatment of			
			complications, side			
			effects, adverse			
			reactions, including			
			unforeseen ones,			
			resulting from			
			diagnostic or			
			therapeutic			
			procedures, the use of			
			drugs and (or) medical			
			devices, non-drug			
			treatment at a dental			
			appointment  Providing medical			
			Providing medical care to children and			
			adults with sudden			
			acute diseases,			
			conditions,			
			exacerbation of			
			chronic diseases			
			without obvious signs			
			of a threat to the life			
			of the patient in an			
			emergency form			
			The use of medicines			
			and medical devices in			
			the provision of			
			medical care in an			
			emergency form			
5	PC-12	willingness to	IPC 12.1 Knows:	Scientific	Analyze	Methods of
		participate in scientific		literature,	scientific	medical
		research, analysis and		educational	literature	statistics,
		public presentation of		and	and	determination
		medical information		methodical	statistical	of the Student's
		based on evidence- based medicine and to		publications	reviews,	criterion, non- parametric
				, scientific journals and	conduct statistical	methods,
		participate in the implementation of new		collections	analysis,	comparison of
		methods and		of works.	present the	independent
		techniques aimed at		Methods of	resulting	and dependent
		protecting public health		medical	statistics,	groups,
		and reducing dental	1 1	statistics.	and interpret	methods for
		morbidity.	IPC 12.2 Can:	Statistics.	them.	describing
			Search for medical			qualitative
			information based on			features.
			evidence-based			
			medicine;			
			interpret the data of			
			scientific publications;			
			critically evaluate			
			modern methods of			
			diagnosis, prevention			
			and treatment of			
			diseases from the			
			perspective of			
1			evidence-based medicine;			
			madiainai			

	justify your choice of		
	methods for		
	diagnosing, preventing		
	and treating dental		
	diseases;		
	prepare a presentation		
	for the public		
	presentation of		
	medical information,		
	the results of scientific		
	research		
	IPC 12.3 Has practical		
	experience:		
	Development of		
	algorithms for		
	examination and		
	treatment of adults		
	and children with		
	dental diseases in		
	accordance with the		
	principles of evidence-		
	based medicine;		
	search and		
	interpretation of medical information		
	based on evidence-		
	based medicine;		
	public presentation of		
	medical information		
	based on evidence-		
	based medicine;		
	partial participation in		
	scientific research		

### 4. Volume of the academic discipline and types of academic work

The total complexity of the discipline is 2 credits . units (72 academic hours)

Type of study work	Labor i	Labor intensity		Labor intensity by	
	volume in	volume in	semesters (ACH		CH)
	credit	academic	6	7	10
	units (CU)	hours			
		(AH)			
classroom work, including	2	72			72
Lectures (L)		10			10
Laboratory workshops (LP)					
Practical exercises (PE)					
Clinical Practice (CPP)		34			34
Seminars (C)					
Student Independent Work (SIW)		28			28
Intermediate certification				·	
test/exam (specify type)	exam				
TOTAL	2	72			72

5. Sections of the academic discipline and competencies that are formed

et geetions of the academic discipline and competences that are formed					
p/ no.	Competen cy Code	Name of the discipline section	The content of the section in didactic units		
1.	UC-1,	carious lesions of hard tissues of teeth, periodontal diseases	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of caries treatment and prevention; pulpitis, periodontitis, non-carious lesions of		

	PC-2	treatment of diseases of hard	hard dental tissues, periodontal diseases and
		tissues of teeth in patients of	oral mucosa
		different ages	
2.	PC-6, PC-7, PC-12	_ <del>_</del>	pulpitis, periodontitis, non-carious lesions of hard dental tissues, periodontal diseases and