

Summary of the working program of the academic discipline discipline "Prosthetics with complete loss of teeth"

General Educational Program of higher education (specialist's degree programs)
31.05.03 "Dentistry"

Department of Prosthetic Dentistry and Orthodontics

- **1. The purpose of mastering the discipline** (participation in the formation of competencies: UC - 1, PC - 6, PC - 7.
- 2. Position of the academic discipline in the structure of the General Educational Program (GEP).**
 - 2.1.** *The discipline refers to the core part (or the part formed by the participants of educational relations) of Block 1 of GEP HE, elective disciplines, additional disciplines.*
- 3. Deliverables of mastering the academic discipline and metrics of competence acquisition**
Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

p / no.	Com peten cy code	The content of the competence (or part of it)	Code and name of the indicator of achievement of competence	As a result of studying the discipline, students should:		
				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	IUC 1.1. Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 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 IUC 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	Methods of analysis and evaluation of modern scientific achievements of dentistry; basic principles of critical analysis	Obtain new knowledge in dentistry based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; to search for new information and solutions based on actions, experimentation and experience carried out in dentistry	Has practical experience: researching the problem of professional activity in dentistry using analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems in dentistry
2	PC-6	PC-6 readiness to collect, analyze complaints and other information from the patient, (relatives / legal representatives), data from his anamnesis, interpretation of examination results, laboratory, instrumental, pathoanatomical and other studies in order to recognize the condition or establish	IPC 6.1 Knows: The methodology for collecting complaints and anamnesis from patients (their legal representatives). Methods of physical examination of patients (examination, palpation, percussion, auscultation). The procedure for providing medical care to the adult population with dental diseases The procedure for providing medical care to children with dental diseases Clinical guidelines on the provision of medical care to patients with	Methods of diagnosis, treatment, rehabilitation and prevention among the adult population and adolescents, taking into account their age and sex groups	Substantiate pathogenetically justified methods (principles) of diagnosis, treatment, rehabilitation and prevention among the adult population and adolescents	Conduct pathophysiological analysis of clinical syndromes

		<p>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.)</p>	<p>dental diseases Standards of Care IPK 6.2. Able to: interpret the results of examination, 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 others 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.) 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.</p> <p>IPC 6.3 Has practical experience: interpretation of the results of examination, 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 others 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.) Development of a 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 care</p>			
3	PC-7	<p>PC-7 the ability to determine the tactics of managing patients</p>	<p>IPC 7.1 Knows: Methods of drug and non-drug treatment, medical indications for the use of medical devices for</p>	Tactics of managing patients with diseases of the	Determine the tactics of managing patients with	Tactics of managing patients with diseases of the

		<p>with various dental diseases in accordance with the Clinical Guidelines and other regulatory documents of the Ministry of Health of the Russian Federation on an outpatient basis and in a day hospital, taking into account the age of the patient.</p>	<p>dental diseases Groups of drugs used to provide medical care in the treatment of dental diseases; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unexpected Principles, techniques and methods of 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 occurred during the examination or 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, features of blood 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 the provision of medical care, clinical recommendations, taking into account the standards of medical care Determine medical indications and contraindications for local anesthesia techniques in the maxillofacial region Perform local anesthesia (application, infiltration, conduction) in children and adults with dental diseases Perform medical interventions, including therapeutic ones, in children and adults with dental diseases on an outpatient basis (excluding repeated endodontic</p>	<p>dentoalveolar system.</p>	<p>diseases of the dentoalveolar system.</p>	<p>dentoalveolar system.</p>
--	--	---	---	------------------------------	--	------------------------------

		<p>treatment):</p> <ul style="list-style-type: none"> - individual training in oral and dental 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 preparations 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 - application of devitalizing paste - pulpotomy (amputation of the coronal pulp) - pulp extirpation - instrumental and medical treatment of a well-passable root canal - temporary filling of the root canal with a drug - filling the root canal of the tooth with paste, gutta-percha pins - removal of supragingival and subgingival plaque in the tooth area (manual 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 <p>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):</p> <ul style="list-style-type: none"> - removal of a tooth - removal of a temporary tooth - permanent tooth extraction - opening and drainage of odontogenic abscess <p>Carry out phased sanitation of the oral cavity (excluding sanitation of the oral cavity in children under</p>			
--	--	--	--	--	--

		<p>anesthesia)</p> <p>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):</p> <ul style="list-style-type: none"> - 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 <p>Interpret the results of X-ray studies of the maxillofacial region</p> <p>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</p> <p>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</p> <p>IPC 7.3 Has practical experience:</p> <p>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</p> <p>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</p> <p>Performing medical interventions in children and adults with dental diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care</p> <p>Evaluation of the results of medical interventions in children and adults with dental diseases</p>			
--	--	---	--	--	--

			<p>Selection of the type and conduct of local anesthesia (application, infiltration, conduction) in children and adults with dental diseases</p> <p>Evaluation of the efficacy and safety of the use of drugs, medical devices and non-drug treatment in children and adults with dental diseases</p> <p>Counseling children and adults with diseases of the mucous membranes of the mouth and lips, determining indications for referral for a consultation with specialist doctors</p> <p>Selection and prescription of 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 care, clinical recommendations, taking into account the standards of medical care</p> <p>Definitions of routes of administration, regimen and dosage of drugs</p> <p>Selection and prescription of non-drug treatment for children and adults with dental diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care</p> <p>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</p> <p>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</p> <p>The use of medicines and medical devices in the provision of medical care in an emergency form</p>				
--	--	--	---	--	--	--	--

3. Requirements for the results of mastering the discipline.

The study of the discipline is aimed at the formation of students' universal (UC), professional (PC) competencies:

p / no.	Competency code	The content of the competence (or part of it)	Code and name of the indicator of achievement of competence	As a result of studying the discipline, students should:		
				Know	Be able to	Own
4.	UK-1	Able to carry out a critical analysis	IUK 1.1. Knows: methods of critical analysis and evaluation of modern	Methods of analysis and	Obtain new knowledge in	Has practical experience:

		of problem situations based on a systematic approach, develop an action strategy	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	evaluation of modern scientific achievements of dentistry; basic principles of critical analysis	dentistry based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; to search for new information and solutions based on actions, experimentation and experience carried out in dentistry	researching the problem of professional activity in dentistry using analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems in dentistry
5.	PC-6	PC-6 readiness to collect, analyze complaints and other information from the patient, (relatives / legal representatives), data from his anamnesis, 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	IPC 6.1 Knows: The methodology for collecting complaints and anamnesis from patients (their legal representatives). Methods of physical examination of patients (examination, palpation, percussion, auscultation). The procedure for providing medical care to the adult population with dental diseases The procedure for providing medical care to children with dental diseases Clinical guidelines on the provision of medical care to patients with dental diseases Standards of Care IPK 6.2. Able to: interpret the results of examination, 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 others 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.) 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:	Methods of diagnosis, treatment, rehabilitation and prevention among the adult population and adolescents, taking into account their age and sex groups	Substantiate pathogenetically justified methods (principles) of diagnosis, treatment, rehabilitation and prevention among the adult population and adolescents	Conduct pathophysiological analysis of clinical syndromes

		(Procedure for the provision of medical care, Standard of Medical Care, Clinical Recommendations on the provision of medical care, etc.)	interpretation of the results of examination, 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 others 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.) Development of a 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 care			
6.	PC-7	PC-7 the ability to determine the tactics of managing patients with various dental diseases in accordance with the Clinical Guidelines and other regulatory documents of the Ministry of Health of the Russian Federation on an outpatient basis and in a day hospital, taking into account the age of the patient.	IPC 7.1 Knows: Methods of drug and non-drug treatment, medical indications for the use of medical devices for dental diseases Groups of drugs used to provide medical care in the treatment of dental diseases; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unexpected Principles, techniques and methods of 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 occurred during the examination or 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, features of blood 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	Tactics of managing patients with diseases of the dentoalveolar system.	Determine the tactics of managing patients with diseases of the dentoalveolar system.	Tactics of managing patients with diseases of the dentoalveolar system.

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 the provision of medical care, clinical recommendations, taking into account the standards of medical care

Determine medical indications and contraindications for local anesthesia techniques in the maxillofacial region

Perform local anesthesia (application, infiltration, conduction) in children and adults with dental diseases

Perform medical interventions, including therapeutic ones, in children and adults with dental diseases on an outpatient basis (excluding repeated endodontic treatment):

- individual training in oral and dental 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 preparations 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
- application of devitalizing paste
- pulpotomy (amputation of the coronal pulp)
- pulp extirpation
- instrumental and medical treatment of a well-passable root canal
- temporary filling of the root canal with a drug
- filling the root canal of the tooth with paste, gutta-percha pins
- removal of supragingival and subgingival plaque in the tooth area (manual 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
- removal of a 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 the provision of 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 and adults with diseases of the mucous membranes of the mouth and lips, determining indications for referral for a consultation with specialist doctors

Selection and prescription of 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 care, clinical recommendations, taking into account the standards of medical care

Definitions of routes of administration, regimen and dosage of drugs

Selection and prescription of non-drug treatment for children and adults with dental diseases in 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 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

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

Total labor intensity of the discipline is ____ CU (____AH)

Type of study work	Labor intensity		Labor intensity in semesters (ACH)	
	volume in credit units (CU)	volume in academic hours (AH)	7	
classroom work, including	0.2	8	8	
Lectures (L)				
Laboratory workshops (LP)				
Practical exercises (P)				
Clinical Practice (CPP)	1	36	36	
Seminars (C)				
Student Independent Work (SIW)	0.8	28	28	
Student research work				
Intermediate certification				
test/exam (specify type)				
TOTAL	2.0	72	72	

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

No. p/p	Competency code	Section name of the discipline	The content of the section in didactic units
1	UC-1, PC-6, PC-7.	<i>Prosthetics for complete loss of teeth</i>	The doctrine of the fixation of removable dentures. Types of removable dentures, indications for prosthetics, methods for obtaining impressions. Components of removable dentures. Clinical and laboratory stages of prosthetics with removable dentures.