

Summary of the working program of the academic discipline

«Modern aspects of odontogenic inflammation»

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

Department: oral and maxillofacial surgery

1. The purpose of mastering the discipline (*participation in the formation of relevant competencies*): GC-1, PC-6, PC-7

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

2.1. The discipline «Modern aspects of odontogenic inflammation» refers to the part of Block 1 of GEP HE «Dentistry»

The discipline «Modern aspects of odontogenic inflammation» is taught in 7 semester of study

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

№	Competence code	The content of the competence (or its part)	Code and name of the competence achievement indicator	As a result of mastering the discipline, students should:		
				know	be able to	possess
1.	UC 1	Ability to abstract thinking, analysis, synthesis	IUC 1.1 Know: Methods and techniques of philosophical analysis; searching and processing information IUC 1.2 be able to: analyses and evaluate the situation on their own; to use educational, scientific, popular literature, Internet on a given topic for the note-taking; IUC 1.3 possess: possess the skills of presenting an independent point of view, analysis and logical thinking	Methods and techniques of philosophical analysis; searching and processing information	analyses and evaluate the situation on their own; to use educational, scientific, popular literature, Internet on a given topic for the note-taking	possess the skills of presenting an independent point of view, analysis and logical thinking
2.	PC -6	The identification of a patient's of pathological conditions, symptoms, syndromes of dental diseases, nosological forms according to the ICD-10 and the related health problems	IPC 6.1 Know: Etiology, pathogenesis, diagnosis, treatment and prevention of the most common dentistry diseases of surgical profile principle of the ICD-10 IPC 6.2 Be able to: To diagnose dental diseases of surgical patients to justify making a diagnosis according to the ICD-10 IPC 6.3 Possess: to make a diagnosis according to the ICD-10	Etiology, pathogenesis, diagnosis, treatment and prevention of the most common dentistry diseases of surgical profile principle of the ICD-10	To diagnose dental diseases of surgical patients to justify making a diagnosis according to the ICD-10	to make a diagnosis according to the ICD-10
3.	PC-7	Ability to determine the tactics of management of patients with various dental diseases in accordance with clinical recommendations of other regulatory	IPC 7.1 Know: Methods of drug and non-medicamentous treatment, medical indications for the use of medical products in dental diseases; groups of drugs used to provide medical assistance in the treatment of dental diseases; mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side	Methods of drug and non-medicamentous treatment, medical indications for the use of medical products in dental diseases; groups of	Develop a treatment plan for children and adults with dental illnesses in accordance with medical procedures, clinical recommendations, standards	Selection and prescription of medicines, medical products (including dental materials) for the treatment of dental diseases in children and adults in accordance with the current medical procedures, clinical recommendations,

		<p>documents of the Ministry of Health of the Russian Federation in outpatient and day hospital conditions, taking into account age patient.</p>	<p>effects, undesirable reactions, including serious and unforeseen; 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, undesirable reactions, including serious and unforeseen, arising in the examination or treatment of patients with dental diseases, pulp, periodonta, periodontal, mucous membrane of the mouth and lips; Materials science, technology, equipment and medical products used in dentistry; anatomy of the head, maxillofacial area, features of blood supply and innervation; dental structure; histology and embryology of the oral and dental cavity, the main violations of embryogenesis;</p> <p>ИПК 7.2 Be able to: Develop a treatment plan for children and adults with dental illnesses in accordance with medical procedures, clinical recommendations, standards of medical care; select and prescribe medicines, medical products (including dental materials), dietary intake, treatment and health regime for treatment of children and adults with dental diseases in accordance with current medical procedures, clinical recommendations, Taking into account health care standards; determine medical indications and contraindications to the conduct of methods of local anaesthesia of the maxillofacial region; conduct local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; perform medical interventions, including therapeutic, in children and adults with dental diseases in outpatient conditions (excluding repeated endodontic treatment): - oral and dental hygiene education individual, Selection of oral hygiene products; controlled tooth cleaning; - professional oral and dental hygiene; - injection of medicines in the maxillofacial area; - local use of remineralizing drugs in the tooth area; - deep fluorination of tooth enamel; - sealing the tooth fissures with a hermetically sealed seal; - professional teeth whitening; - tooth filling restoration using dental cements, chemical curing materials, photopolymers; - tooth restoration in violation of the contact point; - tooth restoration with filling material using anchor pins; - the application of a</p>	<p>drugs used to provide medical assistance in the treatment of dental diseases; mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, undesirable reactions, including serious and unforeseen; 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, undesirable reactions, including serious and unforeseen, arising in the examination or treatment of patients with dental diseases, pulp, periodonta, periodontal, mucous membrane of the mouth and lips; Materials science, technology, equipment and medical products used in dentistry; anatomy of the head, maxillofacial area, features of blood supply and innervation;</p>	<p>of medical care; select and prescribe medicines, medical products (including dental materials), dietary intake, treatment and health regime for treatment of children and adults with dental diseases in accordance with current medical procedures, clinical recommendations, Taking into account health care standards; determine medical indications and contraindications to the conduct of methods of local anaesthesia of the maxillofacial region; conduct local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; perform medical interventions, including therapeutic, in children and adults with dental diseases in outpatient conditions (excluding repeated endodontic treatment): - oral and dental hygiene education individual, Selection of</p>	<p>Taking into account the standards of medical care; prescribing dietary and therapeutic regimens for the treatment of dental illnesses in children and adults in accordance with the current medical procedures and clinical recommendations, Taking into account health care standards; Performing medical interventions in children and adults with dental illnesses in accordance with existing medical procedures and clinical recommendations, taking into account medical care standards; Evaluation of medical interventions in children and adults with dental conditions; selection and conduct of local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; evaluation of the effectiveness and safety of the use of medicines, medical products and non-pharmacological treatment in children and adults with dental diseases; consulting children and adults with diseases of the mucous membrane of the mouth and lips, determination of indications for referral to medical specialists; selection and prescription of medicines and medical products</p>
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		<p>products (including dental materials) for the treatment of dental diseases in children and adults in accordance with the current medical procedures, clinical recommendations, Taking into account the standards of medical care; prescribing dietary and therapeutic regimens for the treatment of dental illnesses in children and adults in accordance with the current medical procedures and clinical recommendations, Taking into account health care standards; Performing medical interventions in children and adults with dental illnesses in accordance with existing medical procedures and clinical recommendations, taking into account medical care standards; Evaluation of medical interventions in children and adults with dental conditions; selection and conduct of local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; evaluation of the effectiveness and safety of the use of medicines, medical products and non-pharmacological treatment in children and adults with dental diseases; consulting children and adults with diseases of the mucous membrane of the mouth and lips, determination of indications for referral to medical specialists; selection and prescription of medicines and medical products taking into account the diagnosis, the age and clinical picture of dental disease in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; determination of the methods of introduction, regime and dosage of medicines; Selection and appointment of non-pharmacological treatment for children and adults with dental diseases in accordance with medical procedures, clinical recommendations, taking into account medical care standards; prevention and treatment of complications, side effects, undesirable reactions, including unforeseen, arising from diagnostic or therapeutic manipulation, the use of drugs and (or) medical products, non-pharmacological treatment at the dentistry; provision of medical assistance to children and adults in sudden acute diseases, conditions, aggravation of chronic diseases without clear signs of a threat to</p>		<p>Removal of supraspinous and subsurface dental deposits in the tooth area (manual method); - Ultrasonic removal of supraspinous and subsurface 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 medicinal therapy for oral and dental diseases; prescription of diet therapy for oral and dental diseases; medical interventions, including surgical interventions, for children and adults with dental diseases in outpatient settings (excluding removals of retinated and distorted teeth): - tooth removal; - temporary tooth removal; - permanent tooth removal; - dentogenic abscess opening and venting; oral cavity stage by stage (excluding</p>	
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			<p>the life of the patient in urgent form; the use of medicines and medical products in the provision of emergency medical care.</p>		<p>oral health care for children under anaesthesiology); perform medical interventions, including orthopaedic interventions, in adults with dental diseases in outpatient settings (excluding prosthetics on dental implants, technologies of automated manufacturing of orthopedic structures, full removable plate and tube prostheses): - Production of anatomical and functional impressions; - restoration of tooth crown; - restoration of tooth row integrity permanent bridges; - prosthesis partial removable plate prostheses; - correction of removable orthopedic structure; - removal of permanent orthopaedic structure; interpretation of the results of X-rays of the maxillofacial area; consulting children and adults with diseases of the mucous membrane of the mouth and lips, determining indications for referral to doctors-specialists;</p>	
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					prevent or eliminate complications, side effects, undesirable reactions, including unforeseen, arising as a result of diagnostic or therapeutic manipulation, the use of drugs and (or) medical products, non-pharmacological treatment.	
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4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 2 CU (72 AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters		
	volume in credit units (CU)	volume in academic hours (AH)	V	VI	VII
Classroom work, including	-	-	-	-	-
Lectures (L)	0,22	8	-	-	8
Laboratory practicum (LP)	-	-	-	-	-
Practicals (P)	1,0	36	-	-	36
Clinical practice sessions (CPS)	-	-	-	-	-
Seminars (S)	-	-	-	-	-
Student's individual work (SIW)	0,78	28	-	-	28
Research work of the student	-	-	-	-	-
Interim attestation	-	-	-	-	-
Exam	-	-	-	-	-
TOTAL LABOR INTENSITY	2	72	-	-	72

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

№	Competence code	Section name of the discipline
1.	UC-1	Features of blood supply and innervation of the maxillofacial area. Structure of lymphatic system and muscular system of maxillofacial region.
2.	PC-6 PC-7	Odontogenic osteomyelitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.
3.	PC-6 PC-7	Odontogenic maxillary sinusitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.
4.	UC-1 PC-6 PC-7	General Principles of Treatment of Inflammatory Diseases of maxilla-facial region. Detoxification therapy.

5.	PC-6 PC-7	Lymphadenitis. Anatomical features of the structure of the lymphatic system of the maxillofacial region. Specific lymphadenitis.
6.	UC-1	X-ray diagnostics in dentistry
7.	UC-1	Physiotherapeutic methods of treating diseases.