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Khanty-Mansiysk Autonomous Okrug-Ugra

"Surgut State University"

Approved by  
Deputy Rector for Academic Affairs

\_\_\_\_\_ E.V. Konovalova

"11" June 2026, Record No.5

## Dentistry

### Syllabus

Department

Surgical diseases

Curriculum

Specialty 31.05.01 General Medicine

Qualification

General Medicine

Form of education

**Full-time**

Total (in credits)

**2**

Total academic hours  
including:

72

Control:  
Credit, 8<sup>th</sup> term

Classes

48

Self-study

24

Control hours

#### Course outline in terms

Academic year (Term)	4 (2.4)		Total	
	Cur	Sy l	Cur	Syl
Types of classes				
Lectures	16	16	16	16
Practical	32	32	32	32
Self-study	24	24	24	24
Control hours	-	-	-	-
Total	72	72	72	72

The Syllabus is compiled by:

PhD in Medical Sciences (Surgery), Associate Professor, Darwin V. V.  
Assistant of the Department of Surgical Diseases, Manoilo, M. N.

The Syllabus

**Dentistry**

Developed in accordance with Federal State Educational Standard:  
Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine  
(Order of the Ministry of Education and Science of the Russian Federation on August, 12, 2020 №988)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, “11” June 2026, Record No.5

The Syllabus was approved by the department Surgical diseases

Head of Department, Doctor of Medicine, Professor Darwin V.V.

<b>1. COURSE OBJECTIVES</b>	
1.1	The <b>aim</b> of the course is to provide students with the knowledge of the etiology, pathogenesis, clinical course of oral

	and maxillofacial diseases, along with the principles of examination of patients with the oral and maxillofacial pathology, treatment and prevention of dental diseases.
<b>2. COURSE OVERVIEW</b>	
Course code (in curriculum)	B1.O.04.30
<b>2.1</b>	<b>Assumed background:</b>
	Biochemistry
	Anatomy
	Topographic Anatomy and Operative Surgery
	Hominal Physiology
	Microbiology, Virology
	Pharmacology
	General Surgery, X-Ray Diagnostics
	Clinical Pathologic Anatomy
	Clinical Pathophysiology
<b>2.2</b>	<b>Post-requisite courses and practice:</b>
	Oncology, X-Ray Therapy
	Traumatology, Orthopaedics
	Emergency Medicine

<b>3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)</b>	
<b>PC-1.1: Demonstrates knowledge in etiology, pathogenesis, diagnostic criteria (clinical - subjective, physical, laboratory, instrumental, identifies the patient's common pathological conditions, symptoms, disease syndromes and diagnoses nosological forms according to the International Statistical Classification of Diseases and Related Health Problems, X - XI revisions</b>	
<b>PC-1.2: Carries out diagnostics, evaluates the prognosis (short-, medium- and long-term course) of the disease, identifies acute complications and complications of chronic diseases</b>	
<b>PC-3.1: Examines the patient (handle the patient's complaints, anamnesis, physical data based on the examination results, determines the necessary examination plan, evaluates the parameters of laboratory, instrumental, pathological and anatomical and other methods in order to diagnose diseases, assesses the prognosis (short-, medium- , long-term) of its course and outcomes</b>	
<b>PC-3.2: Makes an initial and clinical diagnosis in accordance with the International Statistical Classification of Diseases and Health Problems X - XI revisions and current clinical classifications</b>	
<b>PC-3.3: Carries out early and differential diagnostics of diseases</b>	
<b>PC-3.4: Provides routing and management of patients based on the current legislation (standards, procedures for the provision of medical care, Clinical guidelines)</b>	
<b>PC-5.1: Demonstrates knowledge of the mechanisms and methods applied in pharmacotherapy, medical nutrition, medical devices and methods of non-drug treatment, palliative and personalized medical care</b>	
<b>PC-5.2: Provides various categories of patients with outpatient treatment, treatment in hospitals and high-tech medical care (HMC) centers applying drugs, medical devices and medical nutrition, according to clinical pattern and current procedures, standards of medical care, Clinical guidelines (treatment protocols)</b>	
<b>PC-5.4: Demonstrates knowledge of side effects of drugs, methods and duration of their use; assesses the effectiveness and safety of pharmacotherapy, medical nutrition and non-drug treatment, medical nutrition of palliative care</b>	
<b>PC-8.2: Keeps medical records, including the electronic format</b>	

By the end of the course students must:

<b>3.1</b>	<b>Know:</b>
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3.1.1	- clinical manifestations of major dental diseases, taking into account age-related features;
3.1.2	- clinical symptoms of anomalies and deformities of the dentofacial area;
3.1.3	- issues of organizing dispensary observation of the healthy and sick patients in an outpatient department;
3.1.4	- issues of the prevention of major dental diseases;
3.1.5	- forms and methods of sanitary educational work;
3.1.6	- principles of the dental service organization.
<b>3.2</b>	<b>be able to:</b>
3.2.1	- make a preliminary diagnosis;
3.2.2	- synthesize information about the patient to determine the pathology and the causes of it;
3.2.3	- choose the amount of additional examinations in accordance with the prognosis of the disease;
3.2.4	- clarify the diagnosis and obtain a reliable result;
3.2.5	- formulate a clinical diagnosis;
3.2.6	- develop a plan of therapeutic (surgical) measures, taking into account the course of the disease and its treatment;
3.2.7	- formulate indications for the chosen method of treatment taking into account etiologic and pathogenetic agents;
3.2.8	- justify pharmacotherapy in a particular patient with the main pathological syndromes and urgent conditions,
3.2.9	- determine the route of administration, the regimen and dose of drugs,
3.2.10	- evaluate the effectiveness and safety of the treatment.

#### 4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)

Class Code	Topics /Class type	Term / Academic year	Academic hours	Competences	Literature	Interactive	Notes
	<b>Unit 1. Dentistry</b>						
1.1	Age functional anatomy of the maxillofacial area. Dental caries in adults /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1 L 3.1		
1.2	Complications of caries (pulpitis, periodontitis) in adults. Periodontitis /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 3.1		
1.3	Inflammatory processes of the maxillofacial region in adults etiology, classification. Periostitis, osteomyelitis of the jaws, lymphadenitis, phlegmon of the maxillofacial region and neck. Classification, clinical course, diagnosis, treatment principles, prevention /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 2.1 L 3.1		
1.4	Congenital maxillofacial pathology in adults. Congenital cleft upper lip and palate. Clinical course, classification, complex	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3,	L 1.1 L 3.1		

	treatment of children with congenital defects of the upper lip and palate /Lecture/			PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2			
1.5	Diseases of the oral mucosa in adults: phlebitis, facial vein thrombophlebitis, cavernous sinus thrombosis, meningitis, brain abscess, sepsis, bronchopneumonia, mediastinitis. Etiology, pathogenesis, clinical course, Diagnosis, Treatment, Prevention. Changes in the oral mucosa in adults with somatic diseases /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.6	Traumatology of the maxillofacial region. Dental injuries, facial bone fractures in adults. Types, classification, diagnosis, treatment, complications /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.7	Dislocation of the lower jaw. Complications of injuries of the maxillofacial region. Asphyxia, shock. Clinical course, diagnosis, treatment /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1		
1.8	Acquired defects of the maxillofacial region. Basic principles of elimination of defects (outpatient, inpatient) /Lecture/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 2.1		
1.9	Age functional anatomy of the maxillofacial area. Dental caries in adults /Practical/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1		
1.10	Prevention of dental caries and its complications in adults Etiology, prevention of dental anomalies. /Practical /	4	4	PC-1.1 , PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-	L 2.1		

				5.2, PC-5.4, PC-8.2			
1.11	Inflammatory processes of the maxillofacial region in adults Etiology, classification. Periostitis, osteomyelitis of the jaws, lymphadenitis, phlegmon of the maxillofacial region and neck. Classification, clinical course, diagnosis, treatment principles, prevention /Practical/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.12	Congenital maxillofacial pathology in adults. Congenital cleft upper lip and palate. Clinical course, classification, complex treatment of children with congenital defects of the upper lip and palate /Practical/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.13	Diseases of the oral mucosa in adults: phlebitis, facial vein thrombophlebitis, cavernous sinus thrombosis, meningitis, brain abscess, sepsis, bronchopneumonia, mediastinitis. Etiology, pathogenesis, clinical course, Diagnosis, Treatment, Prevention. Changes in the oral mucosa in adults with somatic diseases /Practical/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.14	Traumatology of the maxillofacial region. Dental injuries, facial bone fractures in adults. Types, classification, diagnosis, treatment, complications /Practical/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.15	Dislocation of the lower jaw. Complications of injuries of the maxillofacial region. Asphyxia, shock. Clinical course, diagnosis, treatment /Practical/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.16	Acquired defects of the maxillofacial region. Basic principles of elimination of	4	2	PC-1.1, PC1.2, PC-3.1,	L 1.1 L 2.1		

	defects (outpatient, inpatient) /Practical/			PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2			
1.17	Tumors and tumor-like processes of soft tissues of facial bones in adults. /Practical/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.18	Age functional anatomy of the maxillofacial area. Dental caries in adults /Self-study/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.19	Complications of caries (pulpitis, periodontitis) in adults. Periodontitis /Selfstudy/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.20	Inflammatory processes of the maxillofacial region in adults Etiology, classification. Periostitis, osteomyelitis of the jaws, lymphadenitis, phlegmon of the maxillofacial region and neck. Classification, clinical course, diagnosis, treatment principles, prevention /Self-study/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.21	Congenital maxillofacial pathology in adults. Congenital cleft upper lip and palate. Clinical course, classification, complex treatment of children with congenital defects of the upper lip and palate /Selfstudy/	4	4	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.22	Diseases of the oral mucosa in adults: phlebitis, facial vein thrombophlebitis, cavernous sinus thrombosis, meningitis, brain abscess, sepsis, bronchopneumonia, mediastinitis. Etiology, pathogenesis, clinical course, Diagnosis, Treatment, Prevention.		2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		

	Changes in the oral mucosa in adults with somatic diseases /Self-study/						
1.23	Traumatology of the maxillofacial region. Dental injuries, facial bone fractures in adults. Types, classification, diagnosis, treatment, complications /Self-study/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.24	Dislocation of the lower jaw. Complications of injuries of the maxillofacial region. Asphyxia, shock. Clinical course, diagnosis, treatment /Self-study/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.25	Acquired defects of the maxillofacial region. Basic principles of elimination of defects (outpatient, inpatient) /Self-study/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1		
1.26	Tumors and tumor-like processes of soft tissues of facial bones in adults /Self-study/	4	2	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1 L 3.1		Control work
1.27	/Credit/	4	0	PC-1.1, PC1.2, PC-3.1, PC-3.2, PC3.3, PC-3.4, PC-5.1, PC-5.2, PC-5.4, PC-8.2	L 1.1 L 2.1 L 3.1		Oral quiz, test

## 5. ASSESSMENT TOOLS

### 5.1. Tests and tasks

Supplement 1.

### 5.2. Assessment tools

Supplement 1.

## 6. COURSE (MODULE) RESOURCES

### 6.1. Recommended Literature

#### 6.1.1. Core

	Authors	Title	Publish., year	Quantity
L 1.1	Daurova F.Yu., Makeeva M.K., Khabadze Z.S	Essentials of Operative Dentistry	Moscow: GEOTAR - Media, 2019 Electronic	1

			resource	
<b>6.1.2. Supplementary</b>				
	Authors	Title	Publish., year	Quantity
L 2.1	Sevbitov A.V.	Introduction to Dentistry	Moscow: GEOTAR – Media, 2018. Electronic resource	1
<b>6.1.3. Methodical development</b>				
	Authors	Title	Publish., year	Quantity
L 3.1	Berzegova L.Yu.	English in Dentistry	Moscow: GEOTAR – Media, 2018. Electronic resource	1
<b>6.2. Internet resources</b>				
Э3	FreeMedicalJournals			
<b>6.3.1 Software</b>				
6.3.1.1	Operational system Microsoft, applied programs pack Microsoft Office			
6.3.1.2	Internet access ( Wi-Fi)			
<b>6.3.2 Information Referral systems</b>				
6.3.2.1	E-data bases: ПГБ, Orbicon, Medline.			
6.3.2.2	Student Consultant <a href="http://www.studmedlib.ru">http://www.studmedlib.ru</a>			
6.3.1.3	Polpred.com ( <a href="http://polpred.com/">http://polpred.com/</a> )			
6.3.1.4	ARBIKON ( <a href="http://www.arbicon.ru/">http://www.arbicon.ru/</a> )			
6.3.1.5	Eurasian Patent Information System (EAPATIS) ( <a href="http://www.eapatis.com/">http://www.eapatis.com/</a> )			
6.3.1.6	State Public Scientific-Technical Library of the Siberian Branch of the Russian Academy of Sciences.			
6.3.1.7	Single window of access to educational resources <a href="http://www.spsl.nsc.ru/">http://www.spsl.nsc.ru/</a> - information system ( <a href="http://window.edu.ru/window/">http://window.edu.ru/window/</a> )			
6.3.1.8	CyberLeninka - scientific electronic library ( <a href="http://cyberleninka.ru/">http://cyberleninka.ru/</a> ) "CyberLeninka"			
6.3.1.9	Russian National Library			
6.3.1.10	( <a href="http://primo.nlr.ru/primo_library/libweb/action/search.do?menuitem=2&amp;catalog=true">http://primo.nlr.ru/primo_library/libweb/action/search.do?menuitem=2&amp;catalog=true</a> ) Collection of Electronic Publications of the Russian National Library			
6.3.1.11	UIS Russia ( <a href="http://www.cir.ru/">http://www.cir.ru/</a> ; <a href="http://uisrussia.msu.ru/index.jsp">http://uisrussia.msu.ru/index.jsp</a> ) University Information System RUSSIA			
6.3.1.12	PubMedCentral (PMC) ( <a href="http://www.ncbi.nlm.nih.gov/pubmed/">http://www.ncbi.nlm.nih.gov/pubmed/</a> )			
6.3.1.13	VINITI database ( <a href="http://www.viniti.ru/">http://www.viniti.ru/</a> )			
6.3.1.14	Database VNTITS ( <a href="http://www.rntd.citis.ru/">http://www.rntd.citis.ru/</a> )			

<b>7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)</b>	
7.1	Classrooms for lectures are equipped with: multimedia projector, screen, laptop, stationary chalk board, standard classroom furniture: tables, chairs
7.2	Practical classes, group and individual consultations, ongoing monitoring and intermediate certification are conducted in the classrooms of the Department of Faculty Surgery, Surgut. st. Nefteyuganskoe highway, 20, building of the children's clinic of the Khanty-Mansi Autonomous Okrug-Ugra "SKTB"