	Educational institution Roel Metropolitan University
	Quality management system Educational and methodological complex of the discipline "Surgical Dentistry" Department of Dental Disciplines of the Educational Institution "RMU" 560004 "Dentistry"

**Educational institution "RMU"**  
**Department of Dental Disciplines**

**Syllabus**

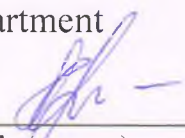
in the discipline "Surgical Dentistry"  
**for students majoring in 560004 "Dentistry"**

Form of study	on an ongoing basis
Well	3/4/5
Semester	5/6/7/8/9/10
Exam	7th semester
Total credits for the curriculum	4/4/3/4/5/4
Total number of hours for the curriculum	120/120/90/120/150/120
Lectures	18/18/18/18/18/18
Practical classes	54/54/36/54/72/54
Independent work	48/48/36/48/60/48

Curriculum Developer:  
Isakov N.S.

Reviewed and approved at a meeting of  
the Department of Dental Disciplines  
Protocol No. 1 from "6" September 2025.

Head of the Department  
Bektasheva A.K.

  
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(signature)

Bishkek 2025

lecturer: Isakov N.S.  
tel: +996556187009 (WhatsApp)  
e-mail: [nurbekisakov1369@gmail.com](mailto:nurbekisakov1369@gmail.com) /

### Scope of the discipline and types of academic work

Well	Semester	Weeks	Total academic hours		Number of hours independent work		Total hours	Number of modules
			Lecture	Practical classes	SRS	SRSP		
3	5	18	18	54	24	24	120	2
3	6	18	18	54	24	24	120	
4	7	18	18	36	18	18	90	
4	8	18	18	54	24	24	120	
5	9	18	18	72	30	30	150	
5	10	18	18	54	24	24	120	

#### Abstract of the academic discipline

"Surgical Dentistry" is a course covering the theoretical and practical foundations of diagnosing and treating diseases of the oral cavity, maxillofacial region, and neck that require surgical intervention. This course develops students' competencies in providing planned and emergency surgical care, including tooth extractions, treatment of inflammation, trauma, and tumors, as well as preparation for prosthetics and dental implantation. "Surgical Dentistry" is one of the leading specialized disciplines in higher dental education.

#### PURPOSE AND OBJECTIVES OF THE DISCIPLINE

##### The purpose of discipline

The main goal of training in surgical dentistry is to develop students' clinical knowledge and skills in:

- anatomical and topographic features of the maxillofacial region, physiology and methods of examining patients at outpatient and inpatient appointments;
- etiology, pathogenesis and clinical picture of inflammatory diseases, injuries, neoplasms and congenital defects of the oral cavity and face;
- modern methods of local and general anesthesia used in surgical interventions in dentistry;
- techniques for performing typical and complex operations (tooth extraction, cystectomy, opening of abscesses and phlegmons, resection of the root apex);
- planning laboratory and instrumental examinations (X-ray, CBCT, cytology, biopsy) and interpretation of the obtained data;

- identifying key clinical syndromes to establish an accurate diagnosis and conduct differential diagnostics;
- principles of complex therapy (surgical, drug and physiotherapeutic) and rehabilitation of patients;
- the basics of dental implantology and preparation of the oral cavity for subsequent prosthetics;
- prevention of postoperative complications and provision of emergency care in critical conditions during a dental appointment;
- current issues of maxillofacial surgery and the acquisition of independent work skills to ensure the activities of a general dentist;
- development of universal and professional competencies for the provision of highly qualified dental care in accordance with medical standards and protocols.

### **Objectives of the course:**

- **Train** methods of clinical examination of patients with surgical diseases of the maxillofacial region and oral cavity organs.
- **Form** skills in selecting and administering adequate local anesthesia, as well as assessing indications for general anesthesia.
- **Master** techniques for performing typical surgical procedures: tooth extraction, primary surgical treatment of wounds, opening of superficial purulent foci.
- **Teach** algorithm for making a diagnosis in inflammatory processes (periostitis, osteomyelitis, abscess, phlegmon) and facial injuries.
- **To vaccinate** the ability to plan laboratory and instrumental studies and correctly interpret X-ray and CT data.
- **Train** principles of prevention and treatment of complications arising during and after surgical interventions.
- **Form** knowledge of modern methods of dental implantation and operations to prepare the oral cavity for prosthetics.
- **Teach** methods of differential diagnosis of neoplasms of the maxillofacial region and determination of treatment tactics in case of suspected oncology.
- **Work it out** skills to provide emergency care in critical conditions (fainting, collapse, anaphylactic shock, bleeding).
- **Pin it** understanding of the rules of asepsis, antisepsis and infection control in the surgical room.
- **Develop** clinical thinking and professional ethics (deontology) when working with patients.

### **After mastering this discipline, the student:**

#### *will know:*

- **anatomical and topographic features** maxillofacial region, including the structure of the jaws, innervation and blood supply zones, and the location of cellular spaces;

- **organization of work** and equipment of the surgical department (office) of the dental clinic, rules of asepsis and antisepsis;
- **tools**, used for tooth extraction and outpatient oral surgery;
- **classification, pharmacodynamics and dosage** modern local anesthetics, as well as indications and contraindications for their use;
- **etiology, pathogenesis and clinical features** inflammatory diseases (periodontitis, periostitis, osteomyelitis, abscesses, phlegmon), as well as diseases of the salivary glands;
- **clinical picture of traumatic injuries** (dislocations and fractures of teeth, jaw fractures, damage to soft tissues of the face);
- **main types of tumors** and precancerous diseases of the maxillofacial region, principles of oncological alertness;
- **diagnostic methods**: rules for reading radiographs, CBCT, basics of cytological and histological studies;
- **principles of oral cavity preparation for prosthetics**, including the basics of dental implantology and bone plastic surgery;
- **algorithms for providing emergency care** in case of general somatic complications (fainting, collapse, anaphylactic shock, asphyxia, bleeding);
- **fundamentals of medical examination and rehabilitation** patients after surgical interventions in the maxillofacial region.

will understand:

- **relationship** between the general condition of the body and the development of pathological processes in the maxillofacial region;
- **the role of foci of odontogenic infection** in the occurrence of somatic diseases and the development of severe inflammatory complications;
- **pathophysiological mechanisms** development of pain syndrome and principles of pain management during surgery;
- **the importance of observing the rules of asepsis and antisepsis** to prevent cross-infection and postoperative complications;
- **mechanisms of tissue regeneration** oral cavity and conditions necessary for successful wound healing after surgical interventions;
- **principles of an integrated approach** in the treatment of a patient requiring interaction between a dental surgeon, a therapist, an orthopedist and an orthodontist;
- **degree of responsibility of the doctor** when choosing a method of pain relief, especially in patients with concomitant diseases (cardiovascular, endocrine, etc.);
- **the need for oncological alertness** at each clinical examination for early detection of malignant neoplasms;
- **legal and ethical aspects** surgical intervention, including the importance of obtaining informed voluntary consent from the patient;
- **prospects and opportunities** modern technologies (implantation, digital planning, bone grafting) in the restoration of the functions of the dental system.

will be able to use

- **clinical examination methods**(questioning, examination, palpation, percussion) to identify pathologies of the maxillofacial region;
- **diagnostic search algorithms**to conduct differential diagnostics between odontogenic and non-odontogenic diseases;
- **modern technologies of local anesthesia**(infiltration, conduction, intraligamentous anesthesia) in everyday practice;
- **surgical instruments**(forceps, elevators, scalpels, curettage spoons) strictly as directed when performing manipulations;
- **data from radiological diagnostic methods**(intraoral images, panoramic tomograms, CBCT) for planning the stages of the operation;
- **suturing techniques**and rules for treating the surgical field to ensure primary wound tension;
- **medicinal preparations**various groups (antibiotics, antiseptics, analgesics) for effective treatment and prevention of complications;
- **principles of patient routing**if signs of malignant neoplasms are detected or inpatient treatment is required;
- **temporary immobilization methods** jaws when providing first aid to patients with facial injuries;
- **professional communication skills**and deontological approaches to minimize the patient's psycho-emotional stress before surgery.

*will be able to carry out:*

- **outpatient appointments**surgical patients, including history taking, physical examination and medical record keeping;
- **typical and complex removal**temporary and permanent teeth, as well as tooth roots in various pathological conditions;
- **effective local anesthesia**on the upper and lower jaws, selecting a safe dosage and concentration of anesthetic;
- **primary surgical treatment**(PHO) of wounds with damage to soft tissues of the maxillofacial region;
- **surgical interventions**in acute odontogenic inflammatory processes (periostotomy, opening of superficial abscesses);
- **emergency medical care**in critical conditions that occur during a dental appointment (fainting, anaphylactic shock, asphyxia, bleeding);
- **diagnostics and primary treatment measures**in case of injuries to the dental system, including temporary immobilization of the jaws in case of fractures;
- **dispensary observation**for patients with chronic diseases and monitoring the rehabilitation process after surgical interventions;
- **preventive examinations**, aimed at early detection of precancerous and oncological diseases of the oral tissues;
- **health education work**among the population on issues of hygiene, prevention of injuries and complications of caries.

*will be able to analyze*

- **results of clinical examination** to identify the relationship between dental complaints and systemic disorders in the body;
- **X-ray examination data** (dental images, OPG, CBCT) to assess the condition of bone tissue, the location of tooth roots and pathological foci;
- **dynamics of the inflammatory process** and the effectiveness of the therapy for timely adjustment of the treatment plan;
- **laboratory test results** (general blood test, coagulogram, cytology) to assess the surgical risk and verify the diagnosis;
- **possible causes of complications** during and after surgical interventions for their prompt elimination and prevention in the future;
- **features of the clinical course** of diseases in patients of different age groups and individuals with a complicated somatic history;
- **morphological changes** in the tissues of the maxillofacial region in case of injuries, tumors and specific infections;
- **quality and completeness of medical documentation** for compliance with protocols and standards for the provision of surgical care;
- **the effectiveness of various pain relief methods** in specific clinical situations to achieve maximum patient comfort;
- **risks of developing cancer** based on the analysis of external factors, bad habits and the condition of the patient's oral mucosa.


*will be able to synthesize:*

- **individual comprehensive treatment plan** based on examination data, combining surgical, therapeutic and orthopedic stages of patient rehabilitation;
- **algorithms for actions in non-standard situations** when performing surgical interventions, taking into account the anatomical features and concomitant pathology of the patient;
- **tactics for managing patients with combined pathology**, integrating knowledge from the fields of dentistry, internal medicine and anesthesiology;
- **sound clinical concept** to select the optimal method of implantation or bone grafting, based on the conditions of a specific clinical picture;
- **preventive action plans** to prevent recurrence of chronic diseases and postoperative complications based on risk factor analysis;
- **medication support schemes** for surgical treatment, selecting combinations of drugs (antibiotics, analgesics, immunomodulators) for each specific case;
- **new approaches to rehabilitation** of patients with defects of the maxillofacial region, using modern interdisciplinary knowledge;
- **professional judgment** when conducting differential diagnostics of complex and rare diseases of the maxillofacial region.

*will be able to evaluate:*

- **general condition of the patient** and the degree of operational risk before performing surgical intervention;

- **the effectiveness of the pain relief provided** and the need for its correction during the operation;
- **difficulty in tooth extraction** based on clinical and radiological data for the correct selection of instruments;
- **severity of inflammatory processes** maxillofacial region and the risk of developing life-threatening complications (mediastinitis, sepsis, sinus thrombosis);
- **quality of surgical procedures** (completeness of root removal, cleanliness of the socket, correct placement of sutures);
- **dynamics of postoperative wound healing** and promptly identify signs of alveolitis or suppuration;
- **results of laboratory and histological studies** to confirm the diagnosis and determine the benign or malignant nature of the process;
- **volume of required bone grafting** and the possibility of dental implantation depending on the degree of jaw atrophy;
- **compliance of the chosen treatment** approved protocols and standards for the provision of medical care;
- **psycho-emotional state of the patient** to select adequate premedication or change communication tactics.

	<b>Educational institution</b> <b>Roel Metropolitan University</b>
	<b>Quality management system</b> <b>Educational and methodological complex of the discipline "Surgical Dentistry"</b> <b>Department of Dental Disciplines of the Educational Institution "RMU"</b> <b>560004 "Dentistry"</b>

No	Name sections and topics disciplines (lectures and practical classes)	Classroom classes				Total hours of classroom work	SRSP	Independent work of a student	Formed competencies	Used educational technologies, methods and techniques of teaching	Dummies	Forms of current and border control academic performance
		lectures	seminars	practical classes	laboratory work							
	<b><i>Surgical dentistry</i></b> <b><i>5th semester</i></b>											
1	<i>Dental surgery room. Sanitary standards</i>	2		2		4	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>Assessment of the acquisition of practical skills (abilities)</i>
2	<i>Special equipment, apparatus and tools for examination dental patients and operations in the maxillofacial area.</i>	2		2		4	2	2	<i>IK-1, PC-2, PC-16</i>	<i>visualization classes</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>Testing, control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>

3	<i>Disinfection and Sterilization. Asepsis and Antisepsis in Facial and Oral Surgeries</i>	2		2		4	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>classes using training equipment and simulators</i>
4	<i>Preparing the surgical field and the surgeon's hands. Sterilizing instruments, dressings, and sutures.</i>	2		2		4	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>Classes using training equipment and simulators. Testing. Quiz. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
5	<i>Examination methods in surgical dentistry. Visual examination, clinical history, palpation, percussion, and tooth mobility. Radiographic and laboratory examination of the tooth and oral cavity.</i>	2		2		4	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
6	<i>Methods of non-injection anesthesia: application, refrigerants, electroanalgesia</i>	2		2		4	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>Classes using training equipment and simulators. Testing. Quiz. Assessing the acquisition of practical skills (abilities). Solving</i>

												<i>situational problems</i>
7	<i>Injection anesthesia technique (infiltration and conduction). Preparation for anesthesia, identification of anatomical landmarks, injection, and waiting for the anesthetic to take effect.</i>	2		2		4	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>
8	<i>Types of local anesthesia. Classification of local methods pain relief</i>	2		2		4	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>business and role-playing educational game. Classes using simulators and training equipment</i>
9	<i>Selection of local anesthetics in patients with concomitant pathology</i>	2		2		4	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
10	<i>Combined analgesia: clinical and physiological rationale for premedication. Potentiated local anesthesia.</i>	2		2		4	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
11	<i>Anesthesia for surgical interventions on the upper jaw (tuberal, at the large palatine foramen).</i>	2		2		4	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized</i>	<i>small group method, forum-type discussion</i>

											<i>surgical dental simulators</i>	
12	<i>Anesthesia during surgical interventions on the upper jaw (infraorbital, incisor).</i>	2		2		4	2	2	<i>SLK-2, PC-4, PC-20,</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
13	<i>Anesthesia for surgical interventions on the lower jaw (mental, mandibular, torus)</i>	2		2		4	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>
14	<i>Anesthesia during surgical interventions in the maxillofacial region (blockade) motor fibers of the mandibular nerve, anesthesia according to Weissblatt).</i>	2		2		4	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>
15	<i>General anesthesia (anesthesia). Indications and contraindications.</i>	2		2		4	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Testing. Control work. Assessing the acquisition of practical skills (abilities). Solving</i>

												<i>situational problems</i>
16	<i>Local complications: nerve and vascular damage, post-injection contracture of the lower jaw, abscess, phlegmon, breakage of the injection needle.</i>	2		2		4	1	1	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Testing. Control work. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
17	<i>Common complications: fainting, collapse, anaphylactic shock, toxic reactions. Provide emergency care and prevent complications.</i>	2		2		4	1	1	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Classes using simulators and training equipment</i>
18	<i>Prevention of hepatitis B, C, D and AIDS in surgical dentistry.</i>	2		2		4	1	1	<i>PK-3, PK-6, PK-20, PK-21,</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>small group method, forum type discussion. Classes using simulators and training equipment</i>
		<b>36</b>		<b>54</b>		<b>90</b>	<b>30</b>	<b>30</b>				<b>Credit</b>

	<b><i>Surgical Dentistry 6th semester</i></b>											
1	<i>Tooth extraction surgery. Indications and contraindications</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>
2	<i>Theoretical and practical skills in the extraction of various groups of teeth and the performance of outpatient oral surgeries. Instruments</i>	2		4		6	4	4	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases, classes using training equipment and simulators</i>
3	<i>Features of tooth and root extraction in the upper jaw depending on the group affiliation</i>	2		4		6	4	4	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Features of tooth and root extraction in the lower jaw depending on the group affiliation..</i>	2		4		6	4	4	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs, classes using simulators and emulators</i>

5	<i>Instruments used for the operation of removing teeth and roots in the upper jaw.</i>	2		4		6	4	4	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
6	<i>Instruments used for the surgery of removing teeth and roots in the lower jaw</i>	2		4		6	4	4	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
7	<i>Stages and methods of removing teeth and tooth roots in the upper jaw, the instruments, materials, and equipment used.</i>	2		4		6	4	4	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases.</i>
8	<i>Stages and methods of removing teeth and tooth roots in the lower jaw, the instruments, materials, and equipment used</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
9	<i>Treatment and healing of the wound and the course of the wound process after tooth extraction</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
10	<i>Postoperative care of the surgical area and monitoring of the general condition of the patient.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized</i>	<i>analysis of clinical cases.</i>

											<i>surgical dental simulators</i>	<i>Use of computer-based training programs</i>
11	<i>Atypical methods of tooth extraction of the upper and lower jaw, access. Choice</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
12	<i>Possible complications during and after tooth extraction surgery and prevention.</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
13	<i>Methodology of complex and atypical Wisdom tooth extraction, damaged crown. Rehabilitation and recovery after atypical extraction.</i>	2		4		6	2	2	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
14	<i>Methodology of complex and atypical pressure during root fusion, infectious processes, and tissue inflammation. Rehabilitation and recovery after atypical extraction</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
15	<i>Local complications arising during tooth extraction. Damage to the gums and soft tissues of the oral cavity, Perforation of the floor of the maxillary sinus Causes, diagnosis,</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

	<i>treatment of complications and their prevention</i>											
16	<i>Local complications arising during tooth extraction. Fracture of the crown or root of the tooth being removed, Fracture of the lower jaw. Causes, diagnosis, treatment of complications and their prevention</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
17	<i>Local complications arising after tooth extraction: Alveolar bleeding. Prevention and methods of its elimination</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
18	<i>Local complications arising after tooth extraction. Early and late alveolitis. Prevention and treatment methods.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
	<b>Total 6 semester.</b>	18		36		54	18	18				<b>credit</b>
	<b>Surgical Dentistry 7th semester</b>											
1	<i>Definition, classification, and etiology of tooth retention. The concept of tooth retention (delayed eruption). Classifications by degree, position, and cause. The main causes of retention (genetic factors, space constraints,</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>

	<i>presence of supernumerary teeth, bone density)..</i>											
2	<i>Clinical presentation, symptoms, and diagnosis of impacted teeth. Patient complaints and clinical manifestations. Examination methods: visual inspection, palpation. Primary and secondary imaging techniques.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases, classes using training equipment and simulators</i>
3	<i>Indications and contraindications for the removal of impacted teeth. Absolute and relative indications (pericoronitis, caries of adjacent teeth, cysts, neuralgic pain, orthodontic indications). Contraindications to surgery (decompensated general medical conditions, acute infectious processes, etc.).</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Surgical removal of impacted and displaced teeth. Preparation of the surgical site and choice of anesthesia method (local anesthesia, general anesthesia).</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs, classes using simulators and emulators</i>
5	<i>Surgical stages: incision and removal of the mucoperiosteal flap, osteotomy (removal of the bone covering the tooth), luxation and</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized</i>	<i>analysis of clinical cases.</i>

	<i>extraction of the tooth, and socket revision. Techniques for tooth extraction in the upper and lower jaws are used, taking into account anatomical features.</i>										<i>surgical dental simulators</i>	<i>Use of computer-based training programs, debate</i>
6	<i>Complications during and after surgical removal of impacted teeth. Intraoperative complications (bleeding, sinus perforation, jaw fracture, damage to adjacent teeth or nerves). Postoperative complications (alveolitis, swelling, hematoma, wound suppuration, paresthesia).</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
7	<i>Methods of prevention and treatment of complications</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases.</i>
8	<i>General principles and history of tooth-preserving surgeries. The purpose, objectives, and general concept of tooth-preserving surgery in modern dentistry. A brief historical overview of the development of methods. The advantages of preserving natural teeth over implantation or prosthetics.</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

9	<i>Indications and contraindications for tooth-preserving surgeries. Criteria for selecting teeth for resection, amputation, or hemisection.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
10	<i>Patient preparation and preoperative diagnostics. Examination methods include clinical examination, radiography, and the use of CBCT for detailed planning. Mandatory endodontic preparation of the root canals before surgery (filling the canal to the planned cut level). Selection of anesthesia method and medication preparation.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
11	<i>Root apex resection procedure. The resection itself includes amputation of the root apex, curettage of the affected area (granulomas, cysts), retrograde root canal filling (if necessary), medicated cavity treatment, and wound suturing.</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
12	<i>Root amputation procedure. Root amputation: indications for multi-rooted teeth (e.g., maxillary molars), surgical technique (removal of one root while</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

	<i>preserving the crown and other roots).</i>											
13	<i>Root hemisection technique. Hemisection: indications (lower molars), surgical technique (longitudinal dissection of the tooth and removal of the affected half of the tooth along with the corresponding root).</i>	2		4		6	2	2	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
14	<i>Instrumentation, materials, and modern technologies in tooth-preserving surgery. A specialized set of instruments (microsurgical instruments, burs, ultrasonic osteotomy tips). Materials for retrograde fillings (MTA, IRM, glass ionomer cements).</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
15	<i>Potential complications and their prevention. Intraoperative complications (maxillary sinus perforation, bleeding). Postoperative complications (swelling, pain, inflammation, suture failure, cyst recurrence).</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
16	<i>Long-term results and prognosis of tooth-preserving surgeries. Criteria for assessing surgical success (clinical and radiographic data). Protocols for follow-up</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

	<i>follow-up of patients after surgery (after 3, 6, and 12 months).</i>											
17	<i>Coronoradicular separation: indications and procedure. Procedure definition: dissection of the crown and furcation (the area where the roots diverge) of a multi-rooted tooth due to periodontal disease or caries in the bifurcation/trifurcation area. Patient selection criteria: presence of two- or three-rooted teeth with sufficient length and root divergence, and absence of significant mobility.</i>	2	4	6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>		
18	<i>Surgical technique: a vertical incision through the tooth crown and furcation, followed by curettage and shaping of the gingival margin. Postoperative care and subsequent prosthetic restoration (conversion of one tooth into two separate premolars or molars using crowns).</i>	2	4	6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>		
	<b>Total 7 semester</b>	18	36	54	18	18				<b>Exam</b>		
	<b>Surgical Dentistry 8th semester</b>											

1	<i>Odontogenic inflammatory diseases of the jaws. Classification, etiology, pathogenesis, and pathological anatomy of odontogenic inflammatory diseases of the jaws.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>
2	<i>Acute and chronic periodontitis. Etiology, pathogenesis, clinical features, diagnosis, and treatment of acute and chronic periodontitis. Differential diagnosis.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases, classes using training equipment and simulators</i>
3	<i>Periostitis of the jaws. Classification of periostitis of the jaws.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Etiology, pathogenesis, clinical features, diagnosis, and treatment principles of acute and chronic periostitis of the jaw. Clinical features, diagnosis, and treatment.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs, classes using simulators and emulators</i>

5	<i>Odontogenic osteomyelitis of the jaws. Classification, etiology, pathogenesis.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
6	<i>Principles of treatment of abscesses and phlegmons of soft tissues in the area of the body of the mandible in acute osteomyelitis (submandibular, maxillary-lingual groove, chin, floor of the oral cavity).</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
7	<i>Inflammatory complications in the neck and mediastinum with osteomyelitis of the mandible (phlegmon of the neck, mediastinitis, sepsis).</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases.</i>
8	<i>Clinical features and modern diagnostic methods for osteomyelitis of the mandible</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
9	<i>Abscesses and phlegmons of soft tissues in the upper jaw area with osteomyelitis (periostitis, abscess of the palate, infraorbital, orbital, buccal, temporal, zygomatic region).</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

10	<i>Clinical features and modern diagnostic methods for osteomyelitis of the upper jaw</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
11	<i>Odontogenic sinusitis. Diagnostic and treatment algorithms.</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
12	<i>Maxillary sinus perforation. Algorithms, diagnostics, and treatment principles.</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
13	<i>Modern methods of diagnosing sinusitis (laboratory tests, ultrasound, MRI).</i>	2		4		6	2	2	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
14	<i>Clinic of facial soft tissue injuries. Algorithm for primary surgical treatment of facial wounds.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
15	<i>Clinic and treatment of fractures of the nasal bones, zygomatic bone and arch</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

16	<i>Clinic and treatment of fractures of the lower jaw.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
17	<i>Clinic and treatment of fractures of the upper jaw</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
18	<i>Dental replantation surgery: types, indications, and contraindications. Definition of replantation: the return of a tooth to its original socket after complete luxation or intentional extraction. Classification of replantation types</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
	<b>Total 8 semester</b>	18		36		54	18	18				<b>credit</b>
	<b>Surgical Dentistry 9th semester</b>											
1	<i>Traumatology in the maxillofacial region. Classification, characteristics, and etiology of injuries</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>

2	<i>Injuries to soft tissues of the face (abrasions, bruises).</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases, classes using training equipment and simulators</i>
3	<i>Clinic of facial soft tissue injuries. Algorithm for primary surgical treatment of facial wounds.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Tooth dislocations and fractures. Classification. Clinical presentation, diagnosis, and treatment.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs, classes using simulators and emulators</i>
5	<i>Alveolar ridge fracture. Classification. Clinical presentation, diagnosis, and treatment.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
6	<i>Mandibular fracture: Classification, clinical presentation, diagnosis, and treatment methods</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized</i>	<i>analysis of clinical cases.</i>

											<i>surgical dental simulators</i>	<i>Use of computer-based training programs, debate</i>
7	<i>A doctor's approach to treating a tooth located in a fracture gap of the lower jaw. Basic principles of treating patients with fractures of the lower jaw bones.</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases.</i>
8	<i>Maxillary bone fractures. Classification, clinical features, diagnosis, and treatment.</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
9	<i>A doctor's approach to treating a tooth located in a fracture gap of the lower jaw. Basic principles of treating patients with fractures of the lower jaw bones.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
10	<i>Midface fractures (zygomatic bone and arch, nasal bones). Classification.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
11	<i>Fractures of the zygomatic bone and arch, fractures of the nasal bones. Clinical features, indications for repositioning, methods of fragment reduction and</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

	<i>treatment. Specific aspects of postoperative patient management.</i>											
12	<i>Methods of fragment reposition. Types of temporary (transport) immobilization. Their varieties: various types of bandages, a standard dressing for transport immobilization, various types of intermaxillary ligature fastening.</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
13	<i>Early and late complications of traumatic injuries of the maxillofacial region.</i>	2		4		6	2	2	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
14	<i>Prevention of complications and errors in diagnosis and treatment of injuries to the maxillofacial region.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
15	<i>Combined and combined injuries of the maxillofacial region. Clinical features and treatment considerations for combined maxillofacial injuries. Organization of emergency qualified medical care in extreme conditions.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
16	<i>Precancerous diseases of the face and oral cavity. Classification and predisposing factors.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized</i>	<i>analysis of clinical cases.</i>

	<i>Precancerous and underlying diseases of the face and oral cavity.</i>										<i>surgical dental simulators</i>	<i>Use of computer-based training programs</i>
17	<i>General principles of diagnosing malignant tumors of the maxillofacial region. Diagnostic levels.</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
18	<i>Methods of examination and diagnosis of patients with malignant tumors of the maxillofacial region. Clinical and laboratory examination methods (ultrasound, CT, MRI) of the maxillofacial region</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
	<b>Total 9 semester</b>	18		36		54	18	18				<b>credit</b>
	<b>Surgical Dentistry 10th semester</b>											
1	<i>Temporomandibular joint disorders. Classification of temporomandibular joint disorders. Etiology, pathogenesis, clinical presentation, diagnosis, differential diagnosis, and treatment.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs. Classes using simulators and training equipment</i>
2	<i>Treatment strategies for temporomandibular joint disorders. Surgical methods for</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized</i>	<i>analysis of clinical cases,</i>

	<i>treating temporomandibular joint disorders.</i>										<i>surgical dental simulators</i>	<i>classes using training equipment and simulators</i>
3	<i>Diseases and injuries of the salivary glands. Classification of salivary gland diseases. Methods of examining the salivary glands.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Assessing the acquisition of practical skills (abilities). Solving situational problems</i>
4	<i>Salivary stone disease. Salivary fistula. Traumatic salivary gland cysts. Etiology, pathogenesis, clinical features, diagnosis, and treatment.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer training programs, classes using simulators and emulators</i>
5	<i>Causes of bone loss in the area of missing teeth and their consequences.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>
6	<i>Indications and contraindications for the use of dental implants.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs, debate</i>

7	<i>The current state and prospects for the development of dental implantology. Prospects and trends in the development of implantology.</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases.</i>
8	<i>Risk factors in dental implantation.</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
9	<i>Trigeminal neuralgia and neuritis. Classification, clinical features, diagnosis, and treatment.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
10	<i>Surgical and reconstructive operations for neuritis and neuralgia of the trigeminal nerve.</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
11	<i>Facial Nerve Injuries: Clinical Features, Diagnosis, Surgical Treatment Methods, and Reconstructive Surgeries for Facial Muscle Paralysis</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
12	<i>The purpose and objectives of facial reconstructive surgery. Planning of reconstructive treatment.</i>	2		4		6	2	2	<i>OK-1, PC-3, PC-15</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

13	<i>Surgery timing and preoperative patient preparation. Theoretical and mathematical foundations of local tissue grafting.</i>	2		4		6	2	2	<i>IK-1, PC-2, PC-16</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
14	<i>Local tissue grafting. The purpose of local tissue grafting. Techniques for mobilizing the wound edges around the defect.</i>	2		4		6	2	2	<i>SLK-1, PC-6, PC-19</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
15	<i>Patient preparation for bone grafting, surgical technique, and postoperative period. Analysis of jaw bone defects. Selecting the type of graft.</i>	2		4		6	2	2	<i>SLK-2, PC-4, PC-20</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
16	<i>Facial defect repair with a pedicle flap. Facial defect repair with a stalked flap.</i>	2		4		6	2	2	<i>SLK-1, PC-18, PC-24</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
17	<i>Free tissue transfer, complex flaps with microvascular anastomosis</i>	2		4		6	2	2	<i>IK-1, PC-22, PC-37</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>
18	<i>Surgical treatment for anomalies and deformations of the bones of the facial skeleton, upper and lower jaws</i>	2		4		6	2	2	<i>OK-1, PK-25, PK-38, DPK-1</i>	<i>classes using video materials</i>	<i>similar to [1019960] - specialized surgical dental simulators</i>	<i>analysis of clinical cases. Use of computer-based training programs</i>

<i>Total 10 semester</i>	18		36		54	18	18					<i>credit</i>
<i>Total hours by discipline:</i>	108		324		432	144	144					

### **Guidelines for completing practical classes**

Practical classes in surgical dentistry follow the lecture course and serve as explanatory, generalizing, and reinforcing elements. They can be held in either virtual classrooms or in the clinic.

#### **Lesson preparation plan:**

1. Studying lecture notes and a textbook on the topic (for example, “Pulp diseases” or “Periodontitis”).
2. Study of the anatomical and morphological features of the teeth discussed in this topic.
3. Familiarization with the instruments and materials required to perform manipulations.
4. Preparing answers to self-assessment questions.

#### **Guidelines for completing independent work (IW)**

When studying the discipline "Surgical Dentistry", the following types of independent work are used:

- Study of theoretical material from lecture notes and textbooks.
- Practicing manual skills on dental dummies and phantoms (preparation, filling, root canal treatment).
- Independent study of specific topics (for example, “Modern methods of teeth whitening” or “The use of lasers in endodontics”) with the preparation of presentations.
- Analysis of clinical protocols and scientific articles on current issues in modern dentistry.
- Solving situational problems and interpreting data from additional research methods (X-rays, CBCT, EOD).

No.	Topic of independent work for students 5th semester:	Assignment for independent work	Recommended literature	Deadlines surrender (week number)
1.	Dental surgery room. Sanitary standards	Abstract, presentation, preparation of the report.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	1
2.	Special equipment, apparatus and tools for examination dental patients and operations in the maxillofacial area.	Abstract, presentation, preparation of a report	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	2
3.	Disinfection and sterilization. Asepsis and antisepsis during facial and oral surgery.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	3
4.	Preparing the surgical field and the surgeon's hands. Sterilizing instruments, dressings, and sutures.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva	4

			MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
5	Examination methods in surgical dentistry. Visual examination, clinical history, palpation, percussion, and tooth mobility. Radiographic and laboratory examination of the tooth and oral cavity.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	5
6	Methods of non-injection anesthesia: application, refrigerants, electroanalgesia.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	6
7	Injection anesthesia technique (infiltration and conduction). Preparation for anesthesia, identification of anatomical landmarks, injection, and waiting for the anesthetic to take effect.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	6
8	Types of local anesthesia. Classification of local methods pain relief.	Abstract, presentation. Preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	7

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
9	Selection of local anesthetics in patients with concomitant pathology.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	7
10	Combined analgesia: clinical and physiological rationale for premedication. Potentiated local anesthesia.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	7
11	Anesthesia for surgical interventions on the upper jaw (tuberal, at the large palatine foramen).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
12	Anesthesia during surgical interventions on the upper jaw (infraorbital, incisor).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	8

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
13	Anesthesia for surgical interventions on the lower jaw (mental, mandibular, torus)	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
14	Anesthesia during surgical interventions in the maxillofacial region (blockade) motor fibers of the mandibular nerve, anesthesia according to Weissblatt).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
15	General anesthesia (narcosis). Indications and contraindications.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
16	Local complications: nerve and vascular damage, post-injection contracture of the lower jaw, abscess, phlegmon, breakage of the injection needle.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	10

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
17	Common complications: fainting, collapse, anaphylactic shock, toxic reactions. Provide emergency care and prevent complications.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
18	Prevention of hepatitis B, C, D and AIDS in surgical dentistry	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	11

No.	Topic of independent work for students 6th semester:	Assignment for independent work	Recommended literature	Deadlines surrender (week number)
1.	Tooth extraction surgery. Indications and contraindications.	Abstract, presentation, preparation of the report.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	1
2.	Theoretical and practical skills in extracting various groups of teeth and	Abstract, presentation, preparation of a report	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019	2

	performing outpatient oral surgery. Instruments.		2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
3.	Features of tooth and root extraction in the upper jaw depending on group affiliation.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	3
4.	Features of tooth and root extraction in the lower jaw depending on the group affiliation.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	4
5	Instruments used for the operation of removing teeth and roots in the upper jaw.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	5
6	Instruments used for the surgery of removing teeth and roots in the lower jaw	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva	6

			MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
7	Stages and methods of removing teeth and tooth roots in the upper jaw, the instruments, materials, and equipment used.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	7
8	Stages and methods of removing teeth and tooth roots in the lower jaw, the instruments, materials, and equipment used.	Abstract, presentation. Preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
9	Treatment and healing of the wound and the course of the wound process after tooth extraction	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
10	Postoperative care of the surgical area and monitoring of the general condition of the patient.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	8

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
11	Atypical methods of tooth extraction of the upper and lower jaw, access. Choice	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
12	Possible complications during and after tooth extraction surgery and prevention.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
13	A technique for complex and atypical wisdom tooth extraction with damaged crowns. Rehabilitation and recovery after atypical extractions.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
14	Methodology of complex and atypical extractions due to root fusion, infection, and tissue inflammation. Rehabilitation and recovery after atypical extractions	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	10

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
15	Local complications arising during tooth extraction.  Damage to the gums and soft tissues of the oral cavity, Perforation of the floor of the maxillary sinus Causes, diagnosis, treatment of complications and their prevention	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
16	Local complications arising during tooth extraction.  Fracture of the crown or root of the tooth being removed, Fracture of the lower jaw. Causes, diagnosis, treatment of complications and their prevention	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
17	Local complications arising after tooth extraction: Alveolar bleeding. Prevention and methods of its elimination	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
18	Local complications arising after tooth extraction. Early and late alveolitis. Prevention and treatment methods.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	11

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
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No.	Topic of independent work for students 7th semester:	Assignment for independent work	Recommended literature	Deadlines surrender (week number)
1.	Definition, classification, and etiology of tooth retention. The concept of tooth retention (delayed eruption). Classifications by degree, position, and cause. The main causes of retention (genetic factors, space constraints, presence of supernumerary teeth, bone density).	Abstract, presentation, preparation of the report.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	1
2.	Clinical presentation, symptoms, and diagnosis of impacted teeth. Patient complaints and clinical manifestations. Examination methods: visual inspection, palpation. Primary and secondary imaging techniques.	Abstract, presentation, preparation of a report	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	2
3.	Indications and contraindications for the removal of impacted teeth. Absolute and relative indications (pericoronitis, caries of adjacent teeth, cysts, neuralgic pain, orthodontic indications). Contraindications to surgery (decompensated	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	3

	general medical conditions, acute infectious processes, etc.).			
4.	Surgical removal of impacted and displaced teeth. Preparation of the surgical site and choice of anesthesia method (local anesthesia, general anesthesia).	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	4
5	Surgical stages: incision and removal of the mucoperiosteal flap, osteotomy (removal of the bone covering the tooth), luxation and extraction of the tooth, and socket revision. Techniques for tooth extraction in the upper and lower jaws are used, taking into account anatomical features.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	5
6	Complications during and after surgical removal of impacted teeth. Intraoperative complications (bleeding, sinus perforation, jaw fracture, damage to adjacent teeth or nerves). Postoperative complications (alveolitis, swelling, hematoma, wound suppuration, paresthesia).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	6
7	Methods of prevention and treatment of complications	Abstract, presentation,	1.Biochemistry of the connective tissue. Biochemistry of mixed	7

		report preparation.	saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
8	General principles and history of tooth-preserving surgeries. The purpose, objectives, and general concept of tooth-preserving surgery in modern dentistry. A brief historical overview of the development of methods. The advantages of preserving natural teeth over implantation or prosthetics.	Abstract, presentation. Preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
9	Indications and contraindications for tooth-preserving surgeries. Criteria for selecting teeth for resection, amputation, or hemisection.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
10	Patient preparation and preoperative diagnostics. Examination methods include clinical examination, radiography, and the use of CBCT for detailed planning. Mandatory endodontic preparation of the root canals before	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8

	surgery (filling the canal to the planned cut level). Selection of anesthesia method and medication preparation.			
11	Root apex resection procedure. The resection itself includes amputation of the root apex, curettage of the affected area (granulomas, cysts), retrograde root canal filling (if necessary), medicated cavity treatment, and wound suturing.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
12	Root amputation procedure. Root amputation: indications for multi-rooted teeth (e.g., maxillary molars), surgical technique (removal of one root while preserving the crown and other roots).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
13	Root hemisection technique. Hemisection: indications (lower molars), surgical technique (longitudinal dissection of the tooth and removal of the affected half of the tooth along with the corresponding root).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
14	Instrumentation, materials, and modern technologies in tooth-preserving surgery. A specialized set of instruments (microsurgical	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva	10

	instruments, burs, ultrasonic osteotomy tips). Materials for retrograde fillings (MTA, IRM, glass ionomer cements).		MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
15	Potential complications and their prevention. Intraoperative complications (maxillary sinus perforation, bleeding). Postoperative complications (swelling, pain, inflammation, suture failure, cyst recurrence).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
16	Long-term results and prognosis of tooth-preserving surgeries. Criteria for assessing surgical success (clinical and radiographic data). Protocols for follow-up follow-up of patients after surgery (after 3, 6, and 12 months).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
17	Coronoradicular separation: indications and procedure. Procedure definition: dissection of the crown and furcation (the area where the roots diverge) of a multi-rooted tooth due to periodontal disease or caries in the bifurcation/trifurcation area. Patient selection criteria: presence of two- or three-rooted teeth with sufficient length and root divergence, and absence of significant mobility.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10

18	Surgical technique: a vertical incision through the tooth crown and furcation, followed by curettage and shaping of the gingival margin. Postoperative care and subsequent prosthetic restoration (conversion of one tooth into two separate premolars or molars using crowns).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	11
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No.	Topic of independent work for students 8th semester:	Assignment for independent work	Recommended literature	Deadlines surrender (week number)
1.	Odontogenic inflammatory diseases of the jaws. Classification, etiology, pathogenesis, and pathological anatomy of odontogenic inflammatory diseases of the jaws.	Abstract, presentation, preparation of the report.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	1
2.	Acute and chronic periodontitis. Etiology, pathogenesis, clinical features, diagnosis, and treatment of acute and chronic periodontitis. Differential diagnosis.	Abstract, presentation, preparation of a report	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	2
3.	Periostitis of the jaws. Classification of periostitis of the jaws.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva	3

			MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
4.	Etiology, pathogenesis, clinical features, diagnosis, and treatment principles of acute and chronic periostitis of the jaw. Clinical features, diagnosis, and treatment.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	4
5	Odontogenic osteomyelitis of the jaws. Classification, etiology, pathogenesis.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	5
6	Principles of treatment of abscesses and phlegmons of soft tissues in the area of the body of the mandible in acute osteomyelitis (submandibular, maxillary-lingual groove, chin, floor of the oral cavity).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	6
7	Inflammatory complications in the neck and mediastinum with osteomyelitis of the mandible (phlegmon of the neck, mediastinitis, sepsis).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	7

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
8	Clinical features and modern diagnostic methods for osteomyelitis of the mandible	Abstract, presentation. Preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
9	Abscesses and phlegmons of soft tissues in the upper jaw area with osteomyelitis (periostitis, abscess of the palate, infraorbital, orbital, buccal, temporal, zygomatic region).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
10	Clinical features and modern diagnostic methods for osteomyelitis of the upper jaw	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
11	Odontogenic sinusitis. Diagnostic and treatment algorithms.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	9

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
12	Maxillary sinus perforation. Algorithms, diagnostics, and treatment principles.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
13	Modern methods of diagnosing sinusitis (laboratory tests, ultrasound, MRI).	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
14	Clinic of facial soft tissue injuries. Algorithm for primary surgical treatment of facial wounds.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
15	Clinic and treatment of fractures of the nasal bones, zygomatic bone and arch	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	10

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
16	Clinic and treatment of fractures of the lower jaw.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
17	Clinic and treatment of fractures of the upper jaw	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
18	Dental replantation surgery: types, indications, and contraindications. Definition of replantation: the return of a tooth to its original socket after complete luxation or intentional extraction. Classification of replantation types	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	11

No.	Topic of independent work for students 9th semester:	Assignment for independent work	Recommended literature	Deadlines surrender (week number)
1.	Traumatology in the maxillofacial region. Classification,	Abstract, presentation,	1.Biochemistry of the connective tissue. Biochemistry of mixed	1

	characteristics, and etiology of injuries	preparation of the report.	saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
2.	Injuries to soft tissues of the face (abrasions, bruises).	Abstract, presentation, preparation of a report	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	2
3.	Clinic of facial soft tissue injuries. Algorithm for primary surgical treatment of facial wounds.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	3
4.	Tooth dislocations and fractures. Classification. Clinical presentation, diagnosis, and treatment.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	4
5	Alveolar ridge fracture. Classification. Clinical presentation, diagnosis, and treatment.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019	5

			2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
6	Mandibular fracture: Classification, clinical presentation, diagnosis, and treatment methods	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	6
7	A doctor's approach to treating a tooth located in a fracture gap of the lower jaw. Basic principles of treating patients with fractures of the lower jaw bones.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	7
8	Maxillary bone fractures. Classification, clinical features, diagnosis, and treatment.	Abstract, presentation. Preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
9	A doctor's approach to treating a tooth located in a fracture gap of the lower jaw. Basic principles of treating patients with fractures	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva	8

	of the lower jaw bones.		MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
10	Midface fractures (zygomatic bone and arch, nasal bones). Classification.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
11	Fractures of the zygomatic bone and arch, fractures of the nasal bones. Clinical features, indications for repositioning, methods of fragment reduction and treatment. Specific aspects of postoperative patient management.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
12	Methods of fragment reposition. Types of temporary (transport) immobilization. Their varieties: various types of bandages, a standard dressing for transport immobilization, various types of intermaxillary ligature fastening.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
13	Early and late complications of traumatic injuries of the maxillofacial region.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	9

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
14	Prevention of complications and errors in diagnosis and treatment of injuries to the maxillofacial region.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
15	Combined and combined injuries of the maxillofacial region. Clinical features and treatment considerations for combined maxillofacial injuries. Organization of emergency qualified medical care in extreme conditions.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
16	Precancerous diseases of the face and oral cavity. Classification and predisposing factors. Precancerous and underlying diseases of the face and oral cavity.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
17	General principles of diagnosing malignant tumors of the maxillofacial region. Diagnostic levels.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	10

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
18	Methods of examination and diagnosis of patients with malignant tumors of the maxillofacial region. Clinical and laboratory examination methods (ultrasound, CT, MRI) of the maxillofacial region	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	11

No.	Topic of independent work for students 10th semester:	Assignment for independent work	Recommended literature	Deadlines surrender (week number)
1.	Temporomandibular joint disorders. Classification of temporomandibular joint disorders. Etiology, pathogenesis, clinical presentation, diagnosis, differential diagnosis, and treatment.	Abstract, presentation, preparation of the report.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	1
2.	Treatment strategies for temporomandibular joint disorders. Surgical methods for treating temporomandibular joint disorders.	Abstract, presentation, preparation of a report	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	2
3.	Diseases and injuries of the salivary glands. Classification of salivary gland diseases.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019	3

	Methods of examining the salivary glands.		2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
4.	Salivary stone disease. Salivary fistula. Traumatic salivary gland cysts. Etiology, pathogenesis, clinical features, diagnosis, and treatment.	Abstract, presentation, preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	4
5	Causes of bone loss in the area of missing teeth and their consequences.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	5
6	Indications and contraindications for the use of dental implants.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	6
7	The current state and prospects for the development of dental implantology. Prospects and trends in the development of	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva	7

	implantology.		MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
8	Risk factors in dental implantation.	Abstract, presentation. Preparation using dummies.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
9	Trigeminal neuralgia and neuritis. Classification, clinical features, diagnosis, and treatment.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
10	Surgical and reconstructive operations for neuritis and neuralgia of the trigeminal nerve.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	8
11	Facial Nerve Injuries: Clinical Features, Diagnosis, Surgical Treatment Methods, and Reconstructive Surgeries for Facial Muscle Paralysis	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	9

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
12	The purpose and objectives of facial reconstructive surgery. Planning of reconstructive treatment.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
13	Surgery timing and preoperative patient preparation. Theoretical and mathematical foundations of local tissue grafting.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	9
14	Local tissue grafting. The purpose of local tissue grafting. Techniques for mobilizing the wound edges around the defect.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
15	Patient preparation for bone grafting, surgical technique, and postoperative period. Analysis of jaw bone defects. Selecting the type of graft.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019	10

			3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	
16	Facial defect repair with a pedicle flap. Facial defect repair with a stalked flap.	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
17	Free tissue transfer, complex flaps with microvascular anastomosis	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	10
18	Surgical treatment for anomalies and deformations of the bones of the facial skeleton, upper and lower jaws	Abstract, presentation, report preparation.	1.Biochemistry of the connective tissue. Biochemistry of mixed saliva/Glukhov AI, Babchenko EV - Moscow: GEOTAR - Media, 2019 2.Essentials of Operative Dentistry/Daurova F.Yu., Makeeva MK, Khabadze ZS et al. - Moscow: GEOTAR - Media, 2019 3.Introduction to Dentistry/Sevbitov AV - Moscow: GEOTAR - Media, 2018	11

## **Guidelines/instructions for students**

### **3.1. Methodological recommendations for students on studying the discipline**

The theoretical component of the course "Surgical Dentistry" is designed not only to deepen and consolidate the knowledge acquired in the classroom, but also to promote the development of students' clinical thinking, initiative, and skills in organizing the work time of a dentist.

- **Working with lectures:**The material taken during lectures must be regularly reviewed and supplemented with information from relevant periodicals (magazines such as "Dentistry" and others).
- **Preparation for the topics:**When studying a new topic, it is necessary to first read the recommended literature and make a brief summary of the main provisions, classifications and treatment protocols.
- **Workbook:**Each student maintains a workbook (practical classes diary), the design of which must meet the following requirements:
  - Availability of a title page indicating full name, group and course.
  - Numbering of each work, recording of the date and topic of the lesson.
  - Recording the title of the work, the purpose, description of the clinical situation or stages of preparation/filling.
  - **Graphic part:**Providing odontoglyphics diagrams, graphic representation of dental injuries and inflammations, filling in the dental formula.
  - **Conclusions:**At the end of each work, a justification for the chosen treatment method or a brief conclusion based on the results of the clinical analysis is formulated.

**Abstract - e**This is a brief written summary of a scientific paper on a given topic. It is an independent research project in which the student explores the essence of the problem being studied, with elements of analysis relevant to the essay topic.

The essay presents various points of view, as well as personal perspectives on the issues raised in the essay topic. The essay's content should be logical, and the presentation of the material should be problem-based and thematic.

*Requirements for writing annotations:*

The annotation may be 9 to 10 pages long, typed or handwritten.

Main sections: table of contents (brief outline), introduction, main content, conclusion, bibliography.

The annotation text should contain the following sections:

- title page indicating: name of the university, faculty, topic of the abstract, full name of the author and full name of the instructor.
- introduction, relevance of the topic
- main section
- conclusion (analysis of literature search results)
- conclusions
- The list of references must contain at least 10 bibliographic titles, including online resources.

The text part of the annotation is drawn up on a sheet of paper in the following format:

- top margin – 2 cm; left margin – 3 cm; right margin – 1.5 cm; bottom margin – 2.5 cm;
- text font: Times New Roman, font height – 14, spacing – 1.5;

- Page numbers are at the bottom of the sheet. The first page is unnumbered. The abstract must be completed correctly and in accordance with generally accepted presentation formatting standards. References must be included, including periodicals from the past five years.

*Abstract evaluation criteria:*

- relevance of the research topic;
- compliance of the content with the topic;
- depth of material processing;
- the correctness and completeness of the formulation of the questions posed;
- the significance of the results obtained for further practical activities;
- correctness and completeness of use of literature;
- compliance of the abstract project with the standard;
- quality of presentation and answers to questions when defending the abstract of the report.

A report is a brief but informative communication that reflects the essence of the issue under consideration and various opinions on the topic under study. In some cases, the author's personal perspective may be included within the framework of thematic issues.

*Reporting requirements:*

The volume of text should not exceed five printed pages.

The quality report has four main structural elements:

- 1) introduction;
- 2) Introduction (at this stage, the speaker must interest the audience, formulate the relevance and novelty of the research, emphasize the importance and purpose of the work performed);
- 3) the main part (it describes the research methods used, the work done, and analyzes the results obtained);
- 4) conclusion (summarizing the results of the work).

*The text part of the report has been compiled.* on a sheet of the following format:

- Top margin – 2 cm; left margin – 3 cm; right margin – 1.5 cm; bottom margin 2.5 cm;
- Text font: Times New Roman, font height – 14, spacing – 1.5;
- Page numbers are at the bottom of the sheet. There is no number on the first page.

*Evaluation criteria:*

- timeliness of submission;
- compliance with requirements;
- depth of material processing;
- compliance of the content with the topic;
- correctness and completeness of the source use.

## **List of primary and secondary literature**

***a) main literature:***

1. Biochemistry of the connective tissue. Biochemistry of mixed saliva / AIGlukhov, EVBabchenko - Moscow: GEOTAR-Media, 2019:
2. Essentials of Operative Dentistry / F.Yu.Daurova, MKMakeeva, ZSKhabadze et al. - Moscow: GEOTAR-Media, 2019:
3. Introduction to Dentistry / AVSevbitov - Moscow: GEOTAR-Media, 2018
4. Epidemiology: a textbook for students majoring in Dentistry / edited by N.I. Briko, Yu.V. Martynov - Moscow: GEOTAR-Media, 2025:
5. Baranchugova, L.M. Histology and embryogenesis of the oral cavity organs: a tutorial / L.M.Baranchugova, V.I.Obydenko, Ts.B.Bayaskhalanova - Moscow: GEOTAR-Media, 2025:
6. Emergencies in Dental Practice: A Study Guide / S.A. Demyanenko, D.A. Kazantsev, O.N. Kazantseva, G.R. Geletsyan. - Moscow: GEOTAR-Media, 2025

***b) additional literature:***

1. Biological Chemistry. Biochemistry of the Oral Cavity: Textbook / T. P. Vavilova, A. E. Medvedev. - Moscow: GEOTAR-Media, 2023:
2. Propaedeutics of dental diseases: textbook / O. O. Yanushevich, E. A. Bazikyan, A. A. Chunikhin [et al.]; edited by O. O. Yanushevich, E. A. Bazikyan. - Moscow: GEOTAR-Media, 2023
3. Propaedeutic Dentistry: Case Studies: A Tutorial / E. A. Bazikyan et al.; edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2023
4. Dentistry. Tests and situational tasks: study guide / V. V. Afanasyev [et al.]; edited by V. V. Afanasyev. - Moscow: GEOTAR-Media, 2023.
5. Bone grafting before dental implantation: a tutorial / A. A. Kulakov [et al.]. - M.: GEOTAR-Media, 2023
6. Medico-legal and expert assessment of cases of adverse outcomes in the provision of dental care: a study guide / edited by O. O. Yanushevich. - Moscow: GEOTAR-Media, 2023
7. The use of osteoplastic materials in oral surgery: a tutorial / E. A. Bazikyan, A. A. Chunikhin. - Moscow: GEOTAR-Media, 2023
8. Dentistry and Maxillofacial Surgery. Recording and Maintaining a Case History / edited by O. O. Yanushevich, V. V. Afanasyev. - 3rd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2022
9. Surgical Dentistry: textbook / V. V. Afanasyev [et al.]; edited by V. V. Afanasyev. - 3rd ed., revised. - Moscow: GEOTAR-Media, 2021
10. Microbiology, virology, immunology of the oral cavity: textbook / ed. V. N. Tsareva. - 2nd ed. , processed and additional - Language: GEOTAR-Media, 2021
11. Surgical dentistry: textbook / edited by S. V. Tarasenko. - Moscow: GEOTAR-Media, 2021:

12. Maxillofacial surgery: textbook / edited by A. Yu. Drobyshev, O. O. Yanushevich. - Moscow: GEOTAR-Media, 2021:
13. Local anesthesia in outpatient dentistry: a tutorial / Kozlova M. V., Belyakova A. S. - Moscow: GEOTAR-Media, 2021
14. Surgical Dentistry. Inflammatory and Degenerative Diseases of the Salivary Glands: A Textbook / edited by A. M. Panin. - 2nd ed., revised and enlarged. - Moscow: Litterra, 2020
15. X-ray anatomy and X-ray diagnostics in dentistry: a textbook / V. P. Truten. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2020
16. Pediatric Maxillofacial Surgery. Guide to Practical Exercises / edited by O. Z. Topolnitsky, A. P. Gurgenadze. - 2nd ed. - Moscow: GEOTAR-Media, 2020
17. Features of disinfection and sterilization in dentistry: a textbook / edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2020
18. Pediatric Maxillofacial Surgery. Clinical Case Studies: A Tutorial / edited by O. Z. Topolnitsky, A. P. Gurgenadze. Moscow: GEOTAR-Media, 2020
19. The use of osteoplastic materials in oral surgery: a tutorial / Bazikyan E. A., Chunikhin A. A. - Moscow: GEOTAR-Media, 2019
20. Histology and embryology of the oral cavity organs and teeth: a tutorial / Gemonov V.V., Lavrova E.N., Falin L.I. - Moscow: GEOTAR-Media, 2019
21. Operative maxillofacial surgery and dentistry / edited by Kozlov V. A., Kagan I. I. - Moscow: GEOTAR-Media, 2019
22. Oral surgery: textbook / Bazikyan E. A. [et al.] - Moscow: GEOTAR-Media, 2019
23. Pain relief and emergency care in outpatient dental practice: a tutorial / Sokhov S. T. [et al.] - Moscow: GEOTAR-Media, 2019.
24. Abscesses and phlegmons of the maxillofacial region and neck. Atlas: study guide: study guide / Afanasyev V. V., Yanushevich O. O., Urgunaliyev B. K. - Moscow: GEOTAR-Media, 2019
25. X-ray examinations in dentistry and maxillofacial surgery: atlas / A. P. Arzhantsev. - Moscow: GEOTAR-Media, 2019.
26. Safe anesthesia in dentistry / S. A. Rabinovich [et al.]. - Moscow: GEOTAR-Media, 2018
27. Emergency care in emergency conditions in dentistry / A. B. Bichun, A. V. Vasiliev, V. V. Mikhailov - Moscow: GEOTAR-Media, 2017
28. Dictionary of professional dental terms / E. S. Kalivradzhiyan, E. A. Bragin, I. P. Ryzhova - Moscow: GEOTAR-Media, 2017
29. Odontogenic cysts and tumors (diagnosis and treatment) / V. A. Semkin, I. I. Babichenko - Moscow: GEOTAR-Media, 2017
30. Human Anatomy. Atlas for Dentists and Orthopedic Dentists / L. M. Litvinenko, D. B. Nikityuk - Moscow: Litterra, 2017

31. Dental instruments: atlas / E. A. Bazikyan. - 3rd ed. , revised - Moscow: GEOTAR-Media, 2017
32. Anatomy, physiology and biomechanics of the dental system / edited by S. D. Arutyunov, L. L. Kolesnikov, V. P. Degtyarev, I. Yu. Lebedenko - Moscow: GEOTAR-Media, 2017
33. Fundamentals of Dental Implantology: a textbook / S. Yu. Ivanov [et al.]. - Moscow: GEOTAR-Media, 2017
34. Features of conduction anesthesia during tooth extraction operations in outpatient dentistry: a textbook / edited by A. V. Sevbitov. - Moscow: GEOTAR-Media, 2017
35. Autogene bone grafting before dental implantation: a tutorial / A. A. Kulakov, R. Sh. Gvetadze, T. V. Brailovskaya, A. P. Mikhailova - Moscow: GEOTAR-Media, 2017
36. Dentistry. International classification of diseases. Clinical characteristics of nosological forms / M. Ya. Alimova, L. N. Maksimovskaya, L. S. Persin, O. O. Yanushevich - Moscow: GEOTAR-Media, 2016
37. Reconstructive surgery of the alveolar bone / S. Yu. Ivanov, A. A. Muraev, N. F. Yamurkova - Moscow: GEOTAR-Media, 2016
38. Diseases, injuries and malformations of the salivary glands / V. V. Afanasyev, M. R. Abdusalamov; edited by V. V. Afanasyev - Moscow: GEOTAR-Media, 2016.
39. Basic principles of internal fixation of the facial skeleton / P. N. Mitroshenkov [et al.] - Moscow: GEOTAR-Media, 2016
40. Topographic anatomy and operative surgery: textbook / Kagan I. I., Chemezov S. V. - Moscow: GEOTAR-Media, 2016.
41. Features of disinfection and sterilization in dentistry: a textbook / E. A. Bazikyan - Moscow: GEOTAR-Media, 2016
42. Organization and equipping of a dental clinic and office. Sanitary and hygienic requirements. Ergonomic principles of a dentist's work: a textbook / edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2016
43. Local anesthesia in dentistry: a textbook for university students / Bazikyan E. A. et al.; edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2016
44. Tooth extraction surgery: a tutorial / E. A. Bazikyan et al. - Moscow: GEOTAR-Media, 2016.
45. Propaedeutic dentistry: textbook / E. S. Kalivradzhiyan et al. - Moscow: GEOTAR-Media, 2014
46. Psychology of doctor-patient relationships: textbook / L. I. Larentsova, N. B. Smirnova - Moscow: GEOTAR-Media, 2014
47. Emergency care in dentistry / Bichun A. B., Vasiliev A. V., Mikhailov V. V. - Moscow: GEOTAR-Media, 2014
48. Dictionary of professional dental terms / E. S. Kalivradzhiyan, E. A. Bragin, S. I. Abakarov, et al. - Moscow: GEOTAR-Media, 2014

49. Anesthesia and intensive care in dentistry / Gritsuk S. F. - Moscow: GEOTAR-Media, 2012


- **List of resources of the information and telecommunications network "Internet" necessary for mastering the discipline**
- Provide links to websites that are publicly accessible.
- **List of resources of the information and telecommunications network "Internet" required for mastering the discipline (modules)**
- [-www.kyrlibnet.kg](http://www.kyrlibnet.kg).
- [-www.iprbookshop.ru](http://www.iprbookshop.ru).
- [-www.consilium-medicum.com](http://www.consilium-medicum.com).
- [-www.medportal.ru](http://www.medportal.ru).
- [-www.studmedlib.ru](http://www.studmedlib.ru)
- [- Cochrane.org](http://Cochrane.org), [sciencedirect.com](http://sciencedirect.com).
- [-www.mediliter.ru](http://www.mediliter.ru), [www.meduniver.com](http://www.meduniver.com),
- [- kingmed.info](http://kingmed.info), [vk.com](http://vk.com), [itweek.ru](http://itweek.ru), [medlit.biz](http://medlit.biz),
- [- allmedbook.ru](http://allmedbook.ru), [booksmed.com](http://booksmed.com), [medicalenglish.ru](http://medicalenglish.ru),
- [- library.bsu.edu.ru](http://library.bsu.edu.ru), [rutracker.org](http://rutracker.org).
- **Monitoring and evaluation of learning outcomes**
- Each module is assessed on a 100-point scale. The maximum score is 100.
- A student is allowed to take the final test if he or she has scored a certain number of points in all subjects.
- Discipline 60 or more points.

<b>Evaluation criteria</b>	<b>Module 1</b>	<b>Module 2</b>
Classroom activities (participation in discussions, oral questions, group work, etc.)	40 points	40 points
Independent work: essay, report.	20 points	20 points
Total for the module (testing, situational task)	40 points	40 points
Final score for the course (test):	100 points	100 points

- **Evaluation system**
- The maximum number of points for each module is 100, including:  
Independent Student Work (ISW) – 20 points.
- Current score: 40 points
- Midterm assessment (module) – 40 points
- The results of all modules for the semester are summed up and the average score is calculated.

- Students must make up missed classes and unsatisfactory grades in accordance with the faculty duty schedule established by the department.
- Retaking a module is only permitted for a valid reason and must be completed no later than two weeks after the module's due date.
- Admission to the final assessment
- A student is admitted to the final assessment (differentiated credit or exam) if he or she scores 60 points or more in a given subject.
- Credit system
- The credit system uses a multi-point grading scale with letter designations, which allows teachers to assess students' knowledge more flexibly.
- The final assessment in the form of a credit is based on attendance, the current assessment and the midterm (module) assessment.
- Final assessment format: Credit/Exam.

Rating and Scoring Scale				
Maximum points	unsatisfactory	satisfactorily	good	great
	20	0-11	12-15	16-17
40	0-23	24-30	31-35	36-40
60	0-35	36-45	46-53	54-60
100	0-59	60-75	76-89	90-100

	<b>Educational institution</b> <b>Roel Metropolitan University</b>
	<b>Quality management system</b> <b>Educational and methodological complex of the discipline "Surgical Dentistry"</b> <b>Department of Dental Disciplines of the Educational Institution "RMU"</b> <b>560004 "Dentistry"</b>

Check (%)	Letter	Average score	Numerical	Traditional
96–100	A+	4.00	5	Great
93–95.99	A	3.75		
90–92.99	A-	3.67		
87–89.99	B+	3.33	4	Good
83–86.99	B	3.00		
80–82.99	B-	2.67		
77–79.99	C+	2.33	3	Satisfactorily
73–76.99	WITH	2.00		
70–72.99	WITH-	1.67		
67–69.99	D+	1.33	2	Satisfactorily
63–66.99	D	1.00		
60–62.99	D-	0.67		
0–59.99	F	0.00	1	Failure

- **I**– assigned to a student who has failed to complete all course requirements for a valid reason. The student has the right to complete all course requirements within the time limit established by the educational institution, after which the grade will be adjusted.
- **IN**– awarded to a student who decides to withdraw from a course no later than the sixth week of the semester. Applies only to elective courses.
- **AB**– is awarded to a student who has attended at least 80% (eighty percent) of the classes in the additional course as a listener (without receiving a grade).
- The average grade point average for each subject is calculated automatically in the AVN information system.
- Based on academic performance, a grade point average (GPA) is calculated, with a maximum value of 4.0. A student's GPA is determined at the end of each semester and is totaled at the end of the entire course of study.
- 
- **Evaluation criteria:**
- **Practical lesson assessment criteria:**
- - *excellent grade* This grade is awarded to a student if he/she has knowledge of the discipline in the full scope of the program and understands it deeply enough; independently, in a logical sequence and exhaustively answers all questions, highlighting the most significant; is able to analyze, compare, classify, generalize, concretize and systematize the studied material, highlighting the main points in it;
- - *Rating "good"*: The student has a virtually complete knowledge of the subject according to the program (gaps in knowledge exist only in some sections);

independently and partially with leading questions, provides complete answers to questions in the assignment; does not always highlight the most important things, but at the same time does not make serious errors in the answers;

- - *rating "satisfactory"* This test is administered in cases where the student has basic knowledge of the subject; has difficulty answering independently, uses inaccurate wording; makes mistakes in answering questions;
- - *grade "unsatisfactory"* This pass is issued in cases where the student has not mastered the required minimum level of knowledge on the subject and cannot answer the questions on the pass even taking into account additional leading questions from the teacher.

- **Criteria for assessing practical skills:**

- - *Excellent rating* The award is granted when all stages of the obstetric and gynecological examination are thoroughly and systematically performed. Clear and professional communication with the patient is essential during the examination. The student must have a thorough understanding of the obstetric and gynecological aspects being studied, including the analysis and interpretation of specific symptoms.
- - *Rating "good"* This skill is considered proven upon competent performance of the basic stages of an obstetric and gynecological examination and effective interaction with the patient, ensuring understanding and trust. It also requires the ability to identify key symptoms and conduct appropriate analysis.
- - *Rating "satisfactory"* Provided for the main stages of an obstetric and gynecological examination, but with some limitations, misunderstandings, and communication errors. Basic knowledge of symptoms and their interpretation is provided.
- - *Rating "unsatisfactory"* Punishment is imposed if a student makes serious errors or omissions during an obstetric-gynecological examination, as well as if there are communication problems that may cause difficulties or even dissatisfaction for the patient during the examination.

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- **Criteria for evaluating abstracts:**

- - *excellent grade* A student is given a grade if the essay topic is fully covered, excellent mastery of the material is demonstrated, relevant sources are used in the required quantity, the structure of the work corresponds to the assigned tasks, and the degree of independence in the work is high;
- - *rating "good"* A student is given a grade if the essay topic is generally covered, good assimilation of the material is demonstrated, relevant sources are used, the structure of the work generally corresponds to the assigned tasks, and the degree of independence is average;
- - *rating "satisfactory"* This grade is given to a student if the essay topic is poorly covered, satisfactory assimilation of the material is demonstrated, the sources used and the structure of the work partially correspond to the set tasks, and the degree of independence of the work is low;

- - *grade "unsatisfactory"* This grade is given to a student if the essay topic is not covered, a low level of assimilation of the material is demonstrated, the sources used are insufficient, the structure of the work does not correspond to the set objectives, the work is not independent.
- **Project evaluation criteria:**
- - *Excellent rating* The award is given to students whose projects demonstrate outstanding depth of research into issues and aspects of obstetrics and gynecology and present innovative research approaches. Effective outreach highlights the project's creativity and originality, as well as active community engagement. The project's organization and structure should be well-organized, logically structured, and ideas should be presented clearly and professionally.
- - *rating "good"* The award is given to students who demonstrate in-depth research on obstetrics and gynecology issues and aspects, supported by concrete facts and data. The learning impact is significant, but there is room for improvement. The presence of creative elements lends the project originality, but some aspects may require refinement. Community engagement is positive, but could be more intense. The project's organization and structure are generally good, but some areas may require improvement.
- - *rating "satisfactory"* The project is presented to students if it meets the minimum requirements for studying obstetrics and gynecology topics and aspects, but requires refinement. The learning effectiveness is basic, and the project could be improved in this area. The project contains creative elements, but these could be expanded and deepened. Community engagement could be more active. The project's organization and structure require additional attention to improve clarity and coherence.
- - *grade "unsatisfactory"* The project offered to students does not meet basic standards and does not provide sufficient depth of study of obstetrics and gynecology issues. The learning effectiveness is extremely limited, lacking creativity and originality. Community participation is insufficient or nonexistent. The project's organization and structure raise serious concerns, making it difficult to understand and disorganized.
- **Test evaluation criteria, MSQ:**
- - *excellent grade* The test's successful completion award is given to a student who provides correct, insightful, and understandable answers, demonstrating a high level of knowledge and its practical application. Important factors include the student's ability to solve complex problems, demonstrate creativity, and meet test requirements. Criteria may vary, but the general requirement is an excellent understanding and successful application of the course material (with a score of 90 or more correct answers).
- - *"good" grade* A test grade is awarded to a student if they demonstrate a good knowledge of the subject, provide correct answers, clearly and concisely express their thoughts, and successfully complete the main aspects of the test questions. This grade may also reflect the student's ability to apply acquired

knowledge in various situations and effectively utilize acquired skills within the test questions (number of correct answers from 76 to 89).

- - *"satisfactory"* A test grade is awarded to a student who has demonstrated a basic understanding of the subject, provided answers that meet the minimum requirements, and successfully completed the main elements of the test. This grade may indicate that the student has mastered the basics of the material, but may not have achieved a high level of depth of knowledge or was unable to cope with more complex aspects of the tasks (with 60-75 correct answers).
- - *grade "unsatisfactory"* A "fail" grade is given to a student if their knowledge of the subject is insufficient, their answers contain significant errors, or do not meet the minimum requirements, or if the student fails to address key aspects of the test. This grade indicates an unsatisfactory level of mastery of the material and an inability to apply knowledge to the test questions (provided the student answered up to 59 questions correctly).

<b>The scale of correspondence between grades and scores on the final test.</b>	
<b>Points</b>	<b>Grade</b>
90-100	"Great"
76-89	"Good"
60-75	"Satisfactorily"
0-59	"Unsatisfactory"

- **Academic Discipline Policy:**
  - - mandatory attendance of classes;
  - - active participation of the student in practical classes;
  - - preliminary preparation and homework;
  - - High quality and timely completion of SIW tasks;
  - - participation in all types of control (current, control, final);
  - - Being late for classes and/or leaving before the end of classes for any reason is considered one missed class, which cannot be made up;
  - - The following is unacceptable: using mobile phones during classes, cheating and plagiarism, late submission of assignments, failure to comply with subordination and rules of conduct.
- **Help:**
  - For consultations on completing independent work (IA/SAU), its presentation and defense, as well as to obtain additional information on the material being studied and on all other issues arising in connection with the course being taught, please contact the teacher during the hours allocated for IAW.