

**Thematic plan of seminar-type classes
on the subject " Oral surgery"
for students of 2023 admission
under the educational program
31.05.03 Dentistry,
focus (profile) Dentistry
(specialty),
full-time education
for the 2025-2026 academic year**

№	Тематические блоки	Практическая подготовка в рамках ТБ ³	Часы (академ.) ⁴
5 семестр			
1.	<p>The history of the discovery and development of local anesthetics. Clinical and pharmacological characteristics of modern cartridge-based anesthetics. Indications for use. Vasoconstrictors: mechanism of action, classification, indications, and contraindications for use in local anesthetic solutions.1</p> <p>Physicochemical properties of local anesthetics. Classification and mechanism of action of anesthetics. Concepts of anesthetic activity and toxicity of anesthetics. Forms of release. Storage of cartridges and their defects. Tools for local anesthesia.2</p> <p>Definition of the concepts "potentiated local anesthesia", "premedication". Classification of methods.1</p> <p>Types of drugs used for premedication, their mechanism of action. Indications, contraindications for use. The concept of a dental scale. Criteria for choosing premedication agents in outpatient dental practice.2</p>	ПП	4
2.	<p>Infiltrative (submucosal, intraligamentary, and subperiosteal) and periodontal methods of local anesthesia (intraligamentary, intraseptal, intrapulpal, and intracanal anesthesia).1</p> <p>Indications and contraindications for their use.2</p> <p>Methods of pain relief on the upper jaw.1</p> <p>Suborbital anesthesia, and blockade of the nasopalatine nerve. Intraoral and extraoral methods. Indications, technique of performance.2</p>	СМ	4
3.	<p>Methods of anesthesia on the upper jaw.1</p> <p>Blockade of the superior alveolar nerves (tuberal anesthesia) by intraoral and extraoral methods, blockade of the greater palatine nerve. Indications, technique.2</p> <p>Methods of anesthesia on the upper jaw.1</p> <p>Truncal anesthesia for disconnection of the 2nd branch of the trigeminal nerve. Indications, technique.2</p>	СМ	4
4.	<p>Methods of anesthesia on the lower jaw.1</p> <p>Torusal anesthesia. Indications, technique²</p>	СМ	4

	Methods of pain relief in the lower jaw.1 Method of conduction anesthesia according to Gow-Gates. Indications, technique of performance.2		
5.	Methods of anesthesia on the lower jaw.1 Mandibular anesthesia by apodactyl methods (according to Verlotsky, Egorov, Alexandrov, etc. modifications). Indications, technique of conducting.2	CM	4
	Methods of pain relief in the lower jaw.1 Mandibular anesthesia by palpation (according to Weissblat). Indications and technique.2		
6.	Methods of anesthesia on the lower jaw.1 Method of mandibular anesthesia by extraoral approaches. Indications, technique of implementation.2	CM	4
	Methods of anesthesia on the lower jaw.1 Mental anesthesia and its modifications (according to Malamed). Indications, technique of implementation. Blockade of the buccal, lingual nerves. Intraoral and extraoral methods. Indications, technique of implementation.2		
7.	Methods of pain relief in the lower jaw.1 Stem anesthesia for disabling the 3rd branch of the trigeminal nerve according to Weissblat. Indications and technique.2	CM	4
	Methods of pain relief on the mandible.1 Blockades according to Bershe, Bershe-Dubov. Stem anesthesia for disabling the 3rd branch of the trigeminal nerve according to Bershe-Dubov-Uvarov. Indications, technique of performance.2		
8.	Errors and complications of local anesthesia.1 Local complications during local anesthesia: damage to nerves, blood vessels, muscles, infection, local tissue necrosis, post-injection contractures, etc. Prevention and treatment methods.2	PII	4
	General complications of local anesthesia. Causal factors of somatic complications at an outpatient dental appointment.1 Fainting. Collapse. Hyperventilation. Asthmatic status. Asphyxia. Foreign body in the upper respiratory tract. Anaphylactic shock. Urticaria, Quincke's edema. Clinic, diagnostics. Pharmacological agents for emergency care in outpatient settings.2		
	Monitoring the performance of independent work		
9.	General complications of local anesthesia. Fundamentals of cardiopulmonary resuscitation in outpatient dental practice.1 Hypertensive crisis. Hypotension. Anginal attack. Acute myocardial infarction. Thyrotoxic crisis. Convulsive seizure. Hyperglycemic, hypoglycemic coma. Clinic, diagnostics, intensive care.2	PII	4
	General anesthesia in dentistry.1 Classification of types of general anesthesia. Neuroleptanalgesia, ataralgesia. Indications and		

	contraindications for their implementation. Justification of the choice of the drug and the method of anesthesia for various outpatient dental interventions.2		
	Итого		36
6 семестр			
10.	Organization of the Department (Office) of Surgical Dentistry.1 Principles of the organization of dental surgical care. Equipping the surgical dental office. Basic hygienic requirements for the premises, appearance, and clothing of the surgeon-dentist.2	ПП	4
	Asepsis and antisepsis in the surgical dentistry office.1 Rules for sterilizing bandages and instruments. Preparing the surgeon's hands for surgery.2		
11.	Stages of patient examination in a surgical dental clinic.1 The scheme of examination of a surgical dental patient, the sequence and rules of conducting an interview, an external examination of the patient, an examination of the oral cavity, an instrumental examination of the oral condition, and the appointment of additional and special examination methods.2	ПП	4
	Medical documentation of the surgical dental office.1 List of accounting and reporting documentation of the surgical dental office. Procedure for filling out the medical history of an outpatient surgical dental patient.2		
12.	Tooth extraction operation.1 Indications and contraindications. Stages of a typical tooth extraction operation. Basic and additional tools.2	СМ	4
	Tooth extraction surgery.1 Stages of healing of the tooth extraction socket, Verlotsky's work. Features of tooth extraction surgery and healing of the tooth extraction socket in individuals with concomitant diseases.2		
13.	Tooth extraction surgery.1 Methodology for extracting teeth in the upper jaw. Tools.2	СМ	4
	Tooth extraction surgery.1 Method of extracting tooth roots in the upper jaw. Tools.2		
14.	Tooth extraction surgery.1 Methodology for extracting teeth in the lower jaw. Tools.2	СМ	4
	Tooth extraction surgery.1 Method of extracting tooth roots in the lower jaw. Tools.2		
15.	Tooth extraction surgery.1 Local complications that occur during tooth extraction surgery. Prevention and treatment of complications.2	СМ	4
	Tooth extraction surgery.1 Early complications that occur after tooth extraction. Prevention and methods for their elimination.2		
16.	Tooth extraction surgery.1 Late complications that occur after tooth extraction.	ПП	4

	Prevention and methods of their elimination.2		
	Alveolitis. Limited osteomyelitis of the tooth socket.1 Causes, symptoms, diagnosis, and treatment methods.2		
17.	Diseases of tooth eruption.1 Dystopia and retention of teeth. Methods of surgical interventions for dystopia and retention of teeth.2 Operation of an atypical tooth extraction.1 Indications, technique of an atypical tooth extraction. Basic and additional instruments.2	PII	4
18.	Diseases of tooth eruption.1 Difficult eruption of wisdom teeth. Causes, classification. Works by Lvov, Rudenko, Magid. Clinic, diagnostics, treatment tactics.2 Diseases of tooth eruption.1 Classification of complications of difficult eruption of wisdom teeth. Pericoronitis: clinic, diagnostics, surgical treatment.2	PII	4
19.	Periodontitis – etiology, pathogenesis, pathological anatomy, ways of spreading the infectious process.1 Acute purulent periodontitis. Chronic periodontitis. Acute periodontitis. Clinic, diagnostics. Principles of treatment.2 Surgical methods of treatment of chronic periodontitis.1 Resection of the root apex, apical surgery. Root amputation, hemisection, coronal-radicular separation, replantation and transplantation of teeth. Indications, contraindications, techniques of tooth-saving operations.2	PII	4
20.	Radicular cyst.1 Etiology, pathogenesis, pathological anatomy, classification, clinical and radiological diagnostics, differential diagnostics.2 Radicular cyst.1 Operations of cystotomy, cystectomy, cystostomy. Indications, contraindications. Methods of operations.2	PII	4
21.	Periostitis of the jaws.1 Acute purulent periostitis of the jaws. Chronic periostitis of the jaws. Etiology, pathogenesis, pathological anatomy. Clinical picture, diagnostics, differential diagnostics. Treatment principles.2 Periostitis of the jaws.1 Acute purulent periostitis of the mandible. Pathogenetic relationship with periodontitis, the spread of the inflammatory process depending on the location of the roots of various teeth. Clinic, diagnostics, differential diagnostics. Features of surgical treatment when the abscess is located on the vestibular and lingual sides of the alveolar process.2	PII	4
22.	Periostitis of the jaws.1 Acute purulent periostitis of the upper jaw from the vestibular side of the alveolar process. Pathogenetic connection with periodontitis, the spread of the inflammatory process depending on the location of the roots of various teeth. Clinic, diagnostics, differential	PII	4

	diagnostics. Features of surgical treatment.2		
	Periostitis of the jaws.1 Palatal abscess. Pathogenetic relationship with periodontitis, the spread of the inflammatory process depending on the location of the roots of various teeth. Clinic, diagnostics, differential diagnostics. Features of surgical treatment.2		
23.	Odontogenic osteomyelitis of the jaws.1 Etiology. Theories of the pathogenesis of osteomyelitis (Bobrov-Lesker, the allergic theory of Derizhanov, neuro-trophic changes), the role of microflora, immunological status and anatomical features of the jaws. Modern ideas about the pathogenesis of osteomyelitis of the jaws. Pathological anatomy and classification.2 Acute stage of osteomyelitis of the jaws.1 Clinic diagnostics, and differential diagnostics of the acute stage. Outcome and possible complications.2	PII	4
24.	Acute stage of osteomyelitis of the jaws.1 Complex pathogenetic treatment: surgical (removal of the tooth – the “source of infection”, opening of parotid abscesses and phlegmons, conducting decompression osteoperforation).2 Acute stage of osteomyelitis of the jaws.1 Complex pathogenetic treatment: drug treatment (antibacterial, anti-inflammatory, desensitization, immunotherapy). Detoxification therapy. Efferent methods of extracorporeal detoxification. Application of physical methods.2	PII	4
25.	Subacute and chronic stage of osteomyelitis of the jaws.1 Clinical and radiological picture of various forms (sequestrating, rarefying, hyperplastic, primary-chronic), differential diagnosis.2 Subacute and chronic stage of maxillary osteomyelitis.1 Principles of treatment. Indications and timing of sequestrectomy, surgical technique.2	PII	4
26.	Differential diagnosis of acute periodontitis, periostitis, and odontogenic osteomyelitis of the jaws.1 Principles of differential diagnosis of odontogenic inflammatory diseases of the jaws.2 Dental trauma.1 Clinic, diagnostics, principles of treatment.2 Independent work control	PII	4
27.	Idiopathic osteonecrosis of the jaws.1 Medication, desomorphine necrosis of the jaws. Clinic, diagnostics, treatment.2 Idiopathic osteonecrosis of the jaws.1 Coveil-associated necroses of the jaws. Clinic, diagnostics, treatment.2	PII	4
	Итого		72
7 семестр (2026-2027 уч.год)			
28.	Specific inflammatory processes of the face, neck, and	PII	6

	<p>jaws.1 Actinomycosis. Etiology, pathogenesis. Classification. Clinic, diagnosis, differential diagnosis. Treatment of actinomycosis of the face, neck, and jaws.2</p> <p>Specific inflammatory processes of the face, neck, and jaws.1 Tuberculosis of the face, neck, and jaws. Syphilis of the face and jaws. Diphtheria. Clinic, manifestations in the oral cavity, diagnosis, differential diagnosis, and treatment.2</p> <p>Specific inflammatory processes of the face, neck, and jaws.1 Erysipelas. Pyogenic granuloma of the face. Odontogenic migratory subcutaneous granuloma. Felinoz (Bartonellosis, "cat scratch disease"), other rare inflammatory diseases of the maxillofacial region. Etiology, clinic, diagnosis, treatment.2</p>		
29.	<p>Lymphadenitis of the face and neck.1 Topographic anatomy of the lymphatic apparatus of the maxillofacial region. Methods of palpation.2</p> <p>Lymphadenitis of the face and neck.1 Acute lymphadenitis. Chronic lymphadenitis. Classification, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Principles of treatment.2</p> <p>Lymphadenitis of the face and neck.1 Abscess lymphadenitis. Adenophlegmon. Clinic, diagnostics, differential diagnostics, treatment.2</p>	PII	6
30.	<p>Lymphadenitis of the face and neck.1 Specific lymphadenitis. Classification, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Treatment tactics.2</p> <p>Lymphadenitis of the face and neck.1 Lymphadenopathies. Classification, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Principles of treatment.2</p> <p>HIV infection. AIDS.1 Manifestations of HIV infection and AIDS in the maxillofacial area, diagnosis, differential diagnosis, prevention of spread.2</p>	PII	6
31.	<p>Abscesses and phlegmons of the face and neck.1 Terminology, classification.2</p> <p>Abscesses and phlegmons of the face and neck.1 Etiology, pathogenesis, and routes of infection.2</p> <p>Abscesses and phlegmons of the face and neck.1 Topical diagnosis. General clinical signs.2</p>	PII	6
32.	<p>Abscesses and phlegmons of the face and neck.1 Principles of treatment of facial and neck abscesses.2</p> <p>Abscesses and phlegmons of the face and neck.1 Features of treatment of patients with concomitant pathology.2</p> <p>Subtemporal abscess.1</p>	PII	6

33.	Etiology. Clinic. Diagnostics. Treatment tactics.2	PII	6
	Abscesses of the maxilo-lingual groove, tongue.1 Etiology. Clinic. Diagnostics. Treatment tactics.2		
	Abscesses of the peritonsillar space.1 Etiology. Clinic. Diagnostics. Treatment tactics.2		
34.	Furuncle, carbuncle of the face and neck.1 Etiology. Pathogenesis. Pathological anatomy.2	PII	6
	Furuncle of the face and neck.1 Features of the clinic, diagnosis, and treatment.2		
	Carbuncle of the face and neck.1 Features of the clinic, diagnosis, and treatment.2		
35.	Odontogenic maxillary sinusitis.1 Etiology, pathogenesis. Classification. Clinic, diagnostics, differential diagnostics. 2	PII	6
	Odontogenic maxillary sinusitis.1 Methods of surgical treatment.2		
	Odontogenic maxillary sinusitis.1 Minimally invasive and gentle technologies in maxillary sinus surgeries.. Indications, contraindications. Instrumentation, operative approach, technique of performance.2		
36.	Maxillary sinus perforation and fistula.1 Causes. Clinic, diagnostics.2	PII	6
	Maxillary sinus perforation and fistula.1 Doctor's tactics in maxillary sinus perforation.2		
	Maxillary sinus perforation and fistula.1 Methods of surgical closure of maxillary sinus floor perforation.2		
37.	Surgical methods of treating periodontal diseases.1 The role of surgical methods in the complex therapy of periodontal diseases.2	PII	6
	Surgical methods of treating periodontal diseases.1 Open curettage, periodontal flap surgery. Fundamentals of mucogingival surgery.2		
	Surgical preparation of the oral cavity for orthopedic treatment.1 Operations on the soft tissues of the oral cavity. Operations on the bone tissue of the alveolar processes of the jaws.2		
38.	Diseases and injuries of the salivary glands.1 Classification of diseases of the salivary glands. Methods of examination of the salivary glands.2	PII	6
	Diseases and injuries of the salivary glands.1 Acute sialadenitis. Etiology, pathogenesis, clinic, diagnostics, treatment.2		
	Diseases and injuries of the salivary glands.1 Chronic sialadenitis. Etiology, pathogenesis, clinic, diagnostics, treatment.2		
	Monitoring of independent work		
39.	Diseases and injuries of the salivary glands.1 Salivary stone disease. Etiology, pathogenesis, clinic,	PII	6

	diagnostics, treatment.2		
	Diseases and injuries of the salivary glands.1 Dystrophic diseases of the salivary glands. Etiology, pathogenesis, clinic, diagnostics, treatment.2		
	Diseases and injuries of the salivary glands.1 Injuries of the salivary glands. Salivary fistula. Scarring of the salivary duct. Traumatic cysts of the salivary glands. Clinic, diagnostics, treatment.2		
	Control of knowledge, skills, and abilities		
	Итого		72
	Всего по дисциплине		180

1 – topic

2 – essential content

3 – RP – working with a patient; SM – simulation modules

4 – one thematic block includes several classes, the duration of one class is 45 minutes, with a break between classes of at least 5 minutes

Considered at the meeting of the Department of Surgical Dentistry and Maxillofacial Surgery, Minutes dated May 17, 2025, No. 9.

Заведующий кафедрой



Е.Н.Ярыгина