

Ministry of Healthcare of Ukraine
Poltava State Medical University
Department of Propaedeutic of Surgical Stomatology

«AGREED»

Guarantor of the academic and
professional program
«Dentistry»

_____ O.V. Sheshukova

« ____ » _____ 2023 y.

«APPROVED»

Chairman of the Academic Council of the
International Faculty

_____ L.V. Buria

Minutes as of 30 august 2023 y. № 1

SYLLABUS

SURGICAL DENTISTRY

discipline compulsory

level of higher education

field of knowledge

specialty

academic qualification

professional qualification

academic and professional program

mode of study

course and semester of study of the
academic discipline

Module 1. Propaedeutic of surgical stomatology

Module 2. Inflammatory diseases of maxillofacial area.

the second (master's) level of higher
education

22 «Healthcare»

221 «Dentistry»

Master of Dentistry

Dentist

«Dentistry», full-time

III course 5-6 semesters

«RESOLVED»

at the meeting of the Department of propaedeutic of
surgical stomatology

Head of the Department _____ V.M. Novikov

Minutes as of 29 august 2023 No. 1

Poltava – 2023

INFORMATION ABOUT TEACHERS DELIVERING DISCIPLINE

Surname, name, patronymic of the lecturer (lecturers), scientific degree, academic title	Novikov Vadim Pankevych Artur Hohol Andrii Kolisnyk Inna	Ph. D., D.M.Si. professor Ph. D. associate professor Ph. D. associate professor Ph. D. associate professor
Profile of the lecturer (lecturers)	TEACHERS	
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Page of the department on the site of the academy	Page of the department	

MAIN CHARACTERISTICS OF THE EDUCATIONAL DISCIPLINE

The scope of the academic discipline (module), in particular modules 1,2

Number of credits / hours - 5.5 ECTS credits / 165, of which:

Lectures (hours) – 16.

Practical classes (hours) – 100.

Self-directed work (hours). – 49.

Type of control – semester final certification (exam).

Policy of the discipline

Teachers and applicant of higher educations, during studying the discipline "Surgical dentistry" modules 1, 2 at the Poltava State Medical University, act in accordance with: regulations on the organization of the educational process (1), the work program of the discipline "Surgical dentistry", the code of academic integrity (2) principle of the independent work of applicants of higher education (3) rules of internal regulations for applicant of higher education of the Poltava State Medical University (4) etc.

During the course, applicant of higher education are not allowed to miss or be late for classes; they should adhere to the rules of conduct and deontological norms while communicating with patients. Classes should be attended in the proper form of clothing, regularly prepare theoretical material, to disconnect mobile devices while discuss of the topics.

Description of the educational discipline (annotation)

Surgical dentistry is one of the independent clinical disciplines of dentistry, which studies surgical diseases and injuries of the teeth, organs of the mouth, face and neck, bones of the facial skeleton, which require complex treatment. Surgical interventions are leading among the methods of such treatment.

The subject of study modules 1, 2 in the third year is to determine the etiopathogenesis of major odontogenic and non-odontogenic inflammatory diseases of the maxillofacial area, diagnostic and therapeutic measures in the practice of a dentist surgeon and providing first aid in the event of emergencies.

Prerequisites and post-requisites of the educational discipline (interdisciplinary communication)

Prerequisites

The assimilation of modules 1, 2 is based on the knowledge obtained in the study of anatomy and histology, physiology of tissues and organs of the maxillofacial area, pathological anatomy, pathological physiology, microbiology and pharmacology, medical physics, biological and bioorganic chemistry, microbiology, virology, immunology and integrates with these disciplines.

Post-requisites

Knowledge is required for further study of surgical dentistry and maxillofacial surgery (internship, clinical residency). Applicants of higher education should be familiar with local anesthesia techniques, learn surgical dental tools and techniques for tooth extraction and other interventions, be familiar with the clinic, diagnosis, and offer treatments for periodontitis, periostitis, osteomyelitis and their complications.

Purpose and tasks of the educational discipline including modules 1,2.

The purpose of studying the educational discipline is to teach applicants of higher education of the 3rd year of the dental faculty theory and practical skills in the discipline "surgical dentistry".

The main tasks of studying the discipline are:

- Studying of ways of carrying out local and general anesthesia in practice of the surgeon-dentist, assimilation of technology of operation of tooth extraction.
- Studying of the symptoms of emergency conditions in the practice of the dentist-surgeon, providing emergency care.
- Studying of the features of the clinic, diagnostics, treatment and prevention of purulent-inflammatory diseases of the maxillofacial area and their complications (brain abscess, facial veins and cavernous sinus thrombosis, mediastinitis, etc.).
- Studying of methods of diagnostics and treatment of abscesses and phlegmons of the head and neck.
- Studying of inflammatory processes of the TMJ, maxillary sinuses, salivary glands.

Competences and studying outcomes, fostered by the discipline (integral, general, special):

The discipline, including modules 1,2, ensures the acquisition of **competencies** by applicants of higher education

- **Integral:** the ability to solve complex dental problems and problems in the field of health care in the specialty "Dentistry", in a professional activity or in a training

process involving research or innovation and is characterized by uncertainty of conditions and requirements.

– **General**

1. Ability to abstractly think, analyze and synthesize.
2. Knowledge and understanding of the subject area and understanding of professional activity.
3. Ability to use knowledge in practical cases.
5. Ability to communicate in English. Ability to use international Greco-Latin terms, abbreviations and clichés in professional oral and written speech.
6. Skills of using information and communication technologies.
7. Ability to search, process and analyze information from various sources.
8. Ability to adapt and act in a new situation.
9. Ability to identify, pose and solve problems.
10. Ability to be critical and self-critical.
11. Ability to work in a team.
13. Ability to act socially responsibly and consciously.
14. The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.

– **Special** (specialty, subject):

1. Ability to collect medical information about the patient and analyze clinical data.
2. Ability to interpret the results of laboratory and instrumental research.
3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.
4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial area.
5. Ability to design the process of medical care: to determine the approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.
6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.
7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial area with concomitant somatic diseases.
8. Ability to perform medical and dental manipulations.
12. Ability to organize and conduct screening examinations in dentistry.
13. Ability to assess the impact of the environment on the health of the population (individual, family, population).
14. Ability to maintain regulatory medical records.
15. Processing of state, social and medical information.

Program learning outcomes, the formation of which is facilitated by the discipline, including modules 1, 2

1. Select and identify the leading clinical symptoms and syndromes (according to list 1); according to standard methods, using preliminary data of the patient's anamnesis, data of the patient's examination, knowledge about the person, his

- organs and systems, to establish a probable nosological or syndromic preliminary clinical diagnosis of a dental disease (according to list 2).
2. Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, the condition of the organs of the maxillofacial area, based on the results of laboratory and instrumental studies to evaluate information about the diagnosis (according to list 5).
 3. Assign and analyze additional (mandatory and optional) examination methods (laboratory, radiological, functional and / or instrumental) according to list 5, patients with diseases of organs and tissues of the oral cavity and maxillofacial area for differential diagnosis of diseases (according to the list) 2).
 4. Determine the final clinical diagnosis in accordance with the relevant ethical and legal norms, by making an informed decision and logical analysis of subjective and objective data of clinical, additional examination, differential diagnosis under the supervision of a physician-manager in a medical institution (list 2.1).
 5. To diagnose emergencies under any circumstances (at home, on the street, in a medical institution), in an emergency, martial law, lack of information and limited time (according to list 4).
 6. Plan and implement measures to prevent dental diseases among the population to prevent the spread of dental diseases.
 7. Analyze the epidemiological situation and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases.
 8. Determine the approach, plan, type and principle of treatment of dental disease (according to list 2) by making an informed decision according to existing algorithms and standard schemes.
 9. Determine the nature of work, rest and the necessary diet in the treatment of dental diseases (according to list 2) on the basis of preliminary or final clinical diagnosis by making an informed decision according to existing algorithms and standard schemes.
 10. Determine the tactics of the dental patient with somatic pathology (according to list 3) by making an informed decision according to existing algorithms and standard schemes.
 11. Carry out treatment of major dental diseases according to existing algorithms and standard schemes under the supervision of a doctor-manager in a medical institution (according to list 2.1).
 13. Determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances on the basis of a diagnosis of emergency in a limited time (according to list 4).
 14. Analyze and evaluate government, social and medical information using standard approaches and computer information technology.
 15. Assess the impact of the environment on the health of the population in a medical institution by standard methods.
 16. Form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs.
 18. To be aware and guided in their activities by civil rights, freedoms and responsibilities, to raise the general cultural level.

19. Adhere to the requirements of ethics, bioethics and deontology in their professional activities.
20. Organize the necessary level of individual safety (own and persons cared for) in case of typical dangerous situations in the individual field of activity.
21. Perform medical manipulations on the basis of preliminary and / or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and in different conditions (according to list 6).
22. Perform medical dental manipulations on the basis of preliminary and / or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and in different conditions (according to list 7).
23. Perform emergency medical care manipulations, using standard schemes, under any circumstances on the basis of an emergency diagnosis (according to list 4) for a limited time (according to lists 6, 7).
24. Develop measures for the organization, integration of dental care and marketing of medical services, including dental services in the functioning of the health care facility, its unit, in a competitive environment.

Learning outcomes of the discipline:

upon completion of the study of modules 1,2 applicants of higher education should **to know:**

- anatomical and physiological, age and sexual characteristics of healthy and diseased human body, interrelation of functional systems of an organism and level of their regulation; causes of pathological processes in the body, mechanism of their development and clinical manifestations, clinical and laboratory symptoms of diseases and their syndromes;
- methods of examination of patients by a dentist; importance of special and auxiliary research methods for differential diagnosis of dental diseases; x-ray semiotics of diseases of the teeth and parodontal tissues
- methods of anesthesia and resuscitation in the conditions of the dental clinic and hospital; indications and contraindications to surgery in an outpatient and inpatient setting;
- etiology and pathogenesis of major dental diseases, their impact on organs and systems of the human body, clinical manifestations of dental pathology in the maxillofacial area, indications for using of surgical methods of treatment in dentistry;
- prevention, clinic and treatment of inflammatory processes of the maxillofacial area, diseases of the temporomandibular joint, salivary glands.

to be able:

- to carry out examination of the patient and to fill in medical records;
- to report to the teacher about the patient;
- justify the diagnosis and make a treatment plan;
- to interpret the data of radiological methods of research;
- to apply the basic principles of aseptic and antiseptic in an outpatient clinic and

- surgical dental hospital;
- apply different types of local anesthesia;
- to provide emergency aid;
- to perform a tooth extraction surgery;
- diagnose inflammatory diseases of the maxillofacial area.

Thematic plan of lectures (in modules) with the main issues discussed at the lecture

No	Theme	Hours
	Module 1. Propaedeutic of surgical stomatology.	
1.	Local anesthesia during dental operations in a clinic and hospital. Types and features. Characteristics of anesthetics. Potentiated anesthesia. Complications of local anesthesia, their prevention and treatment. <ul style="list-style-type: none"> - types by the way of administration, - tools for local anesthesia, - pharmacotherapeutic medicine, their mechanism of action, - ways to prolong and enhancement the anesthetic effect, - complications of anesthesia: local and general, their prevention, - emergency aid for complications. 	2
2.	Basic dental surgery. Operation of tooth extraction. Indications and contraindications. Complications during and after surgery. Prevention and treatment. <ul style="list-style-type: none"> - indications and contraindications to surgery, their classification, - tools for tooth extraction, its structure and rules of use, - technique of tooth extraction surgery, - complications of surgery, classification, their prevention and treatment. 	2
3.	Etiology, pathogenesis and classification of inflammatory diseases of maxillofacial area. Periodontitis – etiology, pathogenesis, clinical manifestations, diagnosis, causes of exacerbations of chronic processes. Surgical treatment: Resection of root apex, dental hemisection, coronaradicular separation, replantation, implantation. <ul style="list-style-type: none"> - inflammation in the maxillofacial area, features of odontogenic infection, - classification of inflammatory diseases of the maxillofacial area, - periodontitis, classification, clinic, diagnostics, differential diagnostics, - surgical treatment of periodontitis. 	2
	Module 2. Inflammatory diseases of maxillofacial area.	
1.	Osteomyelitis of the jaws. Classification, peculiarities, diagnosis, prevention, treatment and prognosis. <ul style="list-style-type: none"> - etiology, pathogenesis of jaw osteomyelitis, - classification, features of clinical course, - pathological anatomy of osteomyelitis of the jaws, - complications of their prevention, - methods of treatment at different stages. 	2
2.	Clinical anatomy of the head and neck. General clinical characteristic of phlegmons and abscesses of maxillofacial area, principles of their diagnosis and treatment. Intensive therapy.	2

	<ul style="list-style-type: none"> - peculiarities of anatomical structure of cellular spaces, their interconnections, - ways of spreading the infection into adjacent anatomic areas, - common clinical signs of purulent infection, - methods of prevention and treatment, - intensive therapy for purulent-inflammatory diseases. 	
3.	<p>The odontogenic sinusitis, oroantral connection. Etiology, clinic the diagnostics, indications and methods of their operative medical treatment. Prophylaxis of complications.</p> <ul style="list-style-type: none"> - anatomy of maxillary sinus, features of functioning of mucous membrane, - sinusitis classification, - clinical features, differential diagnosis, prevention and treatment of odontogenic sinusitis. 	2
4.	<p>Actinomycosis, syphilis and tuberculosis of jaw-facial area and neck. Etiology, pathogenesis, classification, clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> - signs of specific inflammation, - local manifestations in the maxillofacial area, - characteristics of pathogens, pathways and risks of infection, - clinical picture and differential diagnosis, - prevention and treatment. 	2
5.	<p>Methods of research of salivary glands. Sialadenitis, sialodohitis, sialosis, system diseases with the lesion of salivary glands. Etiology, pathogeny, classification, clinic, diagnostics, medical treatment, prophylaxis of exacerbation.</p> <ul style="list-style-type: none"> - anatomy of salivary glands, their topography, - classification of pathological processes with lesions of salivary glands, - etiology and pathogenesis of inflammatory and dystrophic diseases of salivary glands, features of clinical course, - principles of complex treatment, - prevention of salivary gland diseases. 	2
	Total	16

Thematic plan of seminars for modules and content modules, indicating the main issues addressed at the seminar

It is not provided by a working educational program

Thematic plan of practical classes by modules and content modules, indicating the main issues addressed at the practical classes

No	Theme	Hours
<p align="center">Module 1.</p> <p align="center">Propaedeutic of surgical stomatology</p>		
<p>Content module 1.</p> <p>Organization of surgical stomatological aid and it anesthesiology supply.</p>		
1.	<p>Patient examination in the surgical department of stomatology policlinic. Medical documentation. Independent work from its study.</p> <ul style="list-style-type: none"> - Rules and general principles of examination of patients. - Examination of the patient in the surgical department of the dental clinic. 	2

No	Theme	Hours
	<ul style="list-style-type: none"> – Medical documentation. – Correctness, regularity, clarity of accounting and reporting documentation. 	
2.	<p>Asepsis and antisepsis during operations on face and in the mouth cavity. Prophylaxis AIDS. Independent works with the proper decisions and application them in practice.</p> <ul style="list-style-type: none"> – The concept of aseptic and antiseptic. – Characteristics of basic antiseptic agents. – Physical and chemical aseptic methods. – Features of asepsis and antiseptics in surgery of maxillofacial area. – Preparing the hands of the dentist-surgeon before surgery in a clinic and hospital. – Preparation of the operative field in the maxillofacial area for surgery (treatment of the skin of the face and mucous membrane of the oral cavity). – Sterility control. – Prevention of serum hepatitis "B" and HIV. 	2
3.	<p>Pain, its components, the pathways of pain. The significance of pain in medicine and dentistry. Topic anesthetics and medicinal substances that used for the local anaesthetizing. Kinds of topic anesthetization. Potentiative local anesthetization.</p> <ul style="list-style-type: none"> – Pain and its components. – Local anesthesia, its classification in dentistry. – Indications and contraindications to local anesthesia. – Remedies for local anesthesia, their properties, classification. – The mechanism of action of local anesthetics. – Vascular substances, indications for use. – Remedies for potential local anesthesia. 	2
4.	<p>Anesthetization during of operative measure the upper jaw. Central block (anesthesia). Independent work of applicants of higher education in the supervision of patients in the clinic.</p> <ul style="list-style-type: none"> – Topographic and anatomical features of the structure of the pterygopalatine fossa and maxillary nerve and the zone of innervation of its branches. – Indications for the performance of pterygopalatine anesthesia. – Ways of conducting pterygopalatine anesthesia. – Features of conducting central (trunk) conduction anesthesia in the pterygopalatine fossa. – Medicinal and instrumental equipment for pterygopalatine anesthesia. 	2
5.	<p>Anesthetization during of operative measure on the upper jaw. Intraoral and extraoral peripheral anesthesia.</p> <ul style="list-style-type: none"> – Branches of maxillary nerve and zone of their innervation. – Infraorbital nerve block. – Upper posterior alveolar nerve block. – Nasopalatine nerve block. – Anterior palatine nerve block. 	2
6.	<p>Anesthetization during of operative measure on the lower jaw. Central block (anesthesia).</p> <ul style="list-style-type: none"> – Structure and topography of the mandibular nerve. – Sensory and motor branches of mandibular nerve and their topography. 	2

No	Theme	Hours
	<ul style="list-style-type: none"> – Suprazygomatic, subzygomatic, orbital and mandibular routes of mandibular nerve central block. – Indications for using of central anesthesia on the lower jaw. 	
7.	<p>Anesthetization during the operative measure on the lower jaw. Intraoral and extraoral peripheral anesthesia.</p> <ul style="list-style-type: none"> – Types of intraoral peripheral anesthesia in the mandible. – Methods of performing anesthesia near the foramen mandibular – Mandibular torus anesthesia. – Mental anesthesia. – Buccal nerve block. – Lingual nerve block. – Methods of blocking of the terminal branches of the mandibular nerve. <p>Indications for the application of infiltration anesthesia in operations on the lower jaw and adjacent soft tissue.</p>	2
8.	<p>Complication during the local anaesthetizing. Diagnostics, medical treatment. Practical measures on their warning.</p> <ul style="list-style-type: none"> – Complications of general character. – Complications of local character. – Diagnosis of general complications. – Emergency aid for general complications. – Diagnosis of local complications. – Aid for local complications. – Methods of prevention of occurrence of local character complications. 	2
9.	<p>Control of mastering content module 1.</p> <p>Questions and tests that were discussed in the previously content module lessons.</p>	2
<p>Content module 2.</p> <p>Tools and techniques of removal of teeth and roots.</p>		
10.	<p>Operation extraction of tooth, indication and contraindication. Stages.</p> <ul style="list-style-type: none"> – Features of the structure of the upper and lower jaws and teeth. – Indications and contraindications to the operation of tooth extraction. – Establishment of indications and contraindications to its holding. – Preparatory stage: examination, preparation of the patient, preparation of the operating field and preparation of the surgeon's hands. – Performing the steps of the tooth extraction operation. 	2
11.	<p>Tool for the extraction of teeth and roots on the upper jaw. Method of typical extraction of teeth and roots on the upper jaw.</p> <ul style="list-style-type: none"> – The structure of the teeth of the upper jaw. – Anesthesia for removal different groups of teeth in the upper jaw. – General principles of construction of forceps and elevators for removal of teeth and roots on the upper jaw. – Features of removal of incisors of the upper jaw. – Features of removal of canines of the upper jaw. – Features of removal of premolars of the upper jaw. – Features of removal of molars of the upper jaw. 	2
12.	<p>Tool for the extraction of teeth and roots on the lower jaw. Method of typical extraction of teeth and roots on the lower jaw.</p> <ul style="list-style-type: none"> – Structure of the teeth on the lower jaw. – Anesthesia for removal different groups of teeth on the lower jaw. – General principles of construction of forceps and elevators for removal of 	2

No	Theme	Hours
	teeth and roots on the lower jaw. <ul style="list-style-type: none"> – Features of removal of incisors of lower jaw. – Features of removal of canines of the lower jaw. – Features of removal of premolars of the lower jaw. – Features of removal of molars of the lower jaw. 	
13.	Atypical extraction of tooth. Method of alveolotomy and alveoloectomy. Nursing by patients. Wounds healing. <ul style="list-style-type: none"> – Preparation of the patient for atypical tooth and root surgery. – Tools for atypical tooth and root removal. – Techniques used for complex removal of individual groups of teeth and their roots on the upper and lower jaw. – Techniques for atypical removal of individual groups of teeth and their roots on the upper and lower jaw. – Features of removal of impacted teeth on the upper and lower jaw. – Stages and features of wound healing after tooth extraction. 	2
14.	Complication during tooth extraction operation. Diagnostics, medical treatment. Practical measures on their prevention. <ul style="list-style-type: none"> – Frequency and structure of complications of tooth extraction surgery. – Impact of subjective and objective factors on the development of complications. – Features of tooth extraction in patients with concomitant diseases. – Assistance in general complications of tooth extraction surgery. – Structure of local complications: fracture of the crown of the tooth or its root, dislocation and fracture of adjacent teeth, displacement of teeth into the soft tissues, breaking off of bone sections, breaking of the tuber of the upper jaw, fracture of the lower jaw, violation of the integrity of the bottom of the maxillary sinus, getting the root into the maxillary sinus, dislocation of the mandible, rupture of the mucous membrane, disorders of sensitivity (paresthesia, hypesthesia) of a nerve, bleeding. 	2
15.	Complication after the tooth extraction operation. Diagnostics, medical treatment. Practical measures on their prevention. <ul style="list-style-type: none"> – Local complications that occur after tooth extraction, causes, prevention. – Treatment of socket bleeding, alveolitis, neuritis of the inferior alveolar nerve. 	2
16.	Complicated tooth eruption. Pericoronitis. Clinic, diagnostics of complications, medical treatment. Indication to the extraction, and method of atypical extraction. <ul style="list-style-type: none"> – Classification of inflammatory complications of the eruption of the wisdom tooth. – Etiology and pathogenesis of the complicated tooth eruption of the lower third molars. – Clinic, the main symptoms of pericoronitis. – Urgent aid and treatment in case of complicated tooth eruption of the lower third molars. 	2
17.	Control of mastering content module 2. Questions and tests that were discussed in the previously content module lessons.	2
18.	Etiology, pathogeny, classification of inflammatory diseases of maxillofacial area. Acute periodontitis. Clinic, diagnostics, medical	2

No	Theme	Hours
	<p>treatment.</p> <ul style="list-style-type: none"> – Frequency of inflammatory processes of maxillofacial area. – Etiology and pathogenesis of inflammatory processes of the maxillofacial area. – Classification of inflammatory processes of the maxillofacial area. – Features of periodontal structure and function. – Etiology, pathogenesis, classification, clinic of acute periodontitis. – Treatment of acute periodontitis. 	
19.	<p>Chronic periodontitis. Odontogenic granuloma maxillofacial area. Clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Etiology, pathogenesis. – Clinico-radiographic classification of chronic periodontitis. – Clinical course of various forms of chronic periodontitis. 	2
20.	<p>Surgical methods of medical treatment chronic periodontitis. Resection of root apex, dental hemisection, coronaradicular separation, replantation, implantation.</p> <ul style="list-style-type: none"> – Features of the location of the roots of the teeth of the upper jaw. – Features of the location of the roots of the lower jaw. – Types of surgical methods of treatment of chronic periodontitis: resection of the apex of the root, hemisection, coronaradicular separation, replantation, implantation. – Indications and contraindications to the conduct of surgical methods of treatment of chronic periodontitis. – Complications of their prevention. 	2
21.	<p>Odontogenic periostitis of jaws. Classification, clinic, diagnostics, medical treatment, complication, their prophylaxis.</p> <ul style="list-style-type: none"> – Etiology and pathogenesis of odontogenic periostitis of jaws. – Classification of periostitis of jaws. – Clinic of acute forms of periostitis of jaws. – Classification, clinical diagnosis, treatment of chronic periostitis. 	2
22.	<p>General principles of prophylaxis and medical treatment of inflammatory diseases of maxillofacial area. Intensive therapy patients with the inflammatory diseases and their complications.</p> <ul style="list-style-type: none"> – General principles of prevention and treatment of inflammatory diseases of the maxillofacial area. – Local treatment of inflammatory diseases of the maxillofacial area – Antibacterial and anti-inflammatory therapy in the treatment of inflammatory diseases of the maxillofacial area. – The purpose and remedies of detoxification, hyposensitizing, restorative, immunocorrective therapy and physiotherapy in the treatment of inflammatory diseases of the maxillofacial area. 	2
23.	<p>Odontogenic osteomyelitis of jaws. Acute stage. Clinic, diagnostics, medical treatment. Prophylaxis of complications.</p> <ul style="list-style-type: none"> – Definition of the term "osteomyelitis" and the essence of this disease. – Factors contributing to the development of acute odontogenic osteomyelitis of the jaw. – Theories of pathogenesis of osteomyelitis of the jaws. – Pathological anatomy of osteomyelitis. – The main common symptoms of acute osteomyelitis of the jaws. 	2

No	Theme	Hours
	<ul style="list-style-type: none"> – Features of clinical course of acute osteomyelitis of the lower and upper jaws. – Surgical and medical treatment of acute osteomyelitis of jaws. 	
24.	<p>Odontogenic osteomyelitis of jaws. Chronic stage. Clinic, diagnostics, medical treatment. Operation sequestrectomy. Indication and anesthetic management. A technique of performance, a postoperative care.</p> <ul style="list-style-type: none"> – Classification of chronic osteomyelitis – Clinical course of chronic osteomyelitis. – Differential diagnosis of chronic osteomyelitis. – Treatment methods of chronic osteomyelitis. 	2
25.	<p>Control test module 1.</p> <p>Test tasks and theoretical questions on the list.</p>	2
<p style="text-align: center;">Module 2.</p> <p style="text-align: center;">Inflammatory diseases of maxillofacial area</p>		
<p>Content module 3.</p> <p>Odontogenic inflammatory diseases of maxillofacial area.</p>		
1.	<p>Abscesses and phlegmons of maxillofacial area. Principles of complex medical treatment.</p> <ul style="list-style-type: none"> – Principles of complex treatment of abscesses and phlegmon of maxillofacial area. – Operative accesses using for incision of abscesses and phlegmons of maxillofacial area. – Antibacterial, anti-inflammatory and antifungal medicines using for treating patients with abscesses and phlegmons of the maxillofacial area. Principles of detoxification therapy – Medicines for immunotherapy. – Physiotherapy procedures in the treatment of patients with abscesses and phlegmons of the maxillofacial area. 	2
2.	<p>Abscesses and phlegmons of cellular spaces, adjacent to the upper jaw: phlegmons infratemporal and pterygopalatine fosse. Clinic, diagnostics, treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Causes of abscesses and phlegmons of infratemporal and pterygopalatine fosses. – Clinical signs of abscesses and phlegmons of infratemporal and pterygopalatine fosses. – Principles of conservative and surgical treatment. 	2
3.	<p>Phlegmon of temporal area. Clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of temporal area. – Clinical manifestations of phlegmon of temporal area, diagnosis. – Treatment. 	2
4.	<p>Abscesses and phlegmons of cellular spaces adjacent to the lower jaw: phlegmon submandibular and submental spaces. Clinic, diagnostics, treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. 	2

No	Theme	Hours
	<ul style="list-style-type: none"> – Etiology and pathogenesis of phlegmon of submandibular and submental spaces. – Clinical manifestations of phlegmon of submandibular and submental spaces, diagnostics. – Treatment. 	
5.	<p>Abscesses and phlegmons of cellular spaces adjacent to the lower jaw: phlegmon of pterygomandibular space. Etiology, clinic, diagnostics, treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of pterygomandibular space. – Clinical manifestations of phlegmon of pterygomandibular space, diagnostics. – Treatment. 	2
6.	<p>Abscesses and phlegmons of the cellular spaces adjacent to the lower jaw: phlegmon of parotid-masticatory and retromandibular areas. Clinic, diagnostics, treatment. Abscesses and phlegmons of the cellular spaces adjacent to the lower jaw: phlegmon of parotid-masticatory and retromandibular areas. Clinic, diagnostics, treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of parotid-masticatory and retromandibular areas. – Clinical manifestations of phlegmon of parotid-masticatory and retromandibular areas, diagnostics. – Treatment. 	2
7.	<p>Abscesses and phlegmons of the cellular spaces adjacent to the lower jaw: sublingual space and jaw-tongue groove. Clinic, diagnostics.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of phlegmon of sublingual space and jaw-tongue groove. – Clinical manifestations of phlegmon of sublingual space and jaw-tongue groove, diagnostics. – Treatment. 	2
8.	<p>Abscesses and phlegmons of the cellular spaces of head: phlegmon of the infraorbital, zygomatic and buccal areas. Clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of infraorbital, zygomatic and buccal areas. – Clinical manifestations of phlegmon of infraorbital, zygomatic and buccal areas, diagnostics. – Treatment. 	2
9.	<p>Abscess and phlegmon of the tongue. Clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of the tongue. – Clinical manifestations of phlegmon of the tongue, diagnostics. – Treatment. 	2

No	Theme	Hours
10.	Topography, surgical anatomy of bottom of the cavity. Phlegmon of the bottom of oral cavity. Clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of bottom of the cavity. – Clinical manifestations of phlegmon of bottom of the cavity, diagnostics. – Treatment. 	2
11.	Necroputrefactive phlegmon of bottom of oral cavity (Ludwig's angina). Clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of necroputrefactive phlegmon of bottom of oral cavity (Ludwig's angina). – Clinical manifestations of necroputrefactive phlegmon of bottom of oral cavity (Ludwig's angina), diagnostics. – Treatment. 	2
12.	Phlegmon of lateral pharyngeal and retropharyngeal spaces. Clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of phlegmon of lateral pharyngeal and retropharyngeal spaces. – Clinical manifestations of phlegmon of lateral pharyngeal and retropharyngeal spaces, diagnostics. – Treatment. 	2
13.	The odontogenic sinusitis. Clinic, diagnostics. Medical treatment of odontogenic sinusitis. Radical maxillary sinusotomy by Caldwell-Luc. Indications, technique of operation, possible complications. Perforation and sinus tract (fistfuls) of sinus maxillaris. Etiology, clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of odontogenic sinusitis. – Clinical manifestations of odontogenic sinusitis, diagnostics. – Perforation and sinus tract (fistfuls) of sinus maxillaris, clinical manifestations, diagnostics. – Treatment of odontogenic sinusitis. 	2
14.	Control of mastering content module №3 Questions and tests that were discussed in the previously content module lessons.	2
Content module 4.		
Nonodontogenic inflammatory diseases of maxillofacial area.		
15.	Furuncles, carbuncles and erysipelas of head. Etiology, pathogeny, classification, clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> – Definition of furuncle, carbuncle, etiopathogenesis, classification. – Complex treatment of furuncle and carbuncle. – Complications of furuncle, carbuncle. – Etiopathogenesis, classification, clinical course of an erysipelas. – Diagnosis and differential diagnosis, treatment and prevention of erysipelas. 	2
16.	Lymphadenitis of head and neck. Etiology, pathogeny, clinic, diagnostics, medical treatment.	2

No	Theme	Hours
	<ul style="list-style-type: none"> – Clinical anatomy. – Etiology and pathogenesis of odontogenic lymphadenitis. – Classification, clinical manifestations, diagnostics. – Treatment of odontogenic lymphadenitis. 	
17.	<p>Specific inflammatory diseases: tuberculosis, syphilis of maxillofacial area. Clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Characteristics of tuberculosis and syphilis agents. – Classification of tuberculosis of maxillofacial area. – Clinical forms of tuberculosis of the skin and subcutaneous tissue. – Clinical and radiological signs of jaw tuberculosis. – Diagnosis and differential diagnosis of tuberculosis. – Local treatment of tuberculosis by maxillofacial surgeon. – Classification of syphilis. – Manifestations of syphilitic lesions in the maxillofacial area and their clinical picture. – Diagnosis and differential diagnosis of syphilis of maxillofacial area. – Local treatment of syphilis by maxillofacial surgeon. 	2
18.	<p>Acute inflammatory diseases of salivary glands: etiology, pathogeny, clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Etiology, pathogenesis, classification of acute inflammatory diseases of the salivary glands. – Clinic of acute inflammatory diseases of the salivary glands. – Methods of diagnosis of acute inflammatory diseases of salivary glands. – Local and general treatment of patients with acute inflammatory diseases of the salivary glands, prevention. – Complications of acute inflammatory diseases of the salivary glands. 	2
19.	<p>Chronic sialadenitis: etiology, pathogeny, clinic, diagnostics, medical treatment.</p> <ul style="list-style-type: none"> – Etiology, pathogenesis and classification of chronic sialoadenitis. – Diagnostic methods for examination of patients with chronic sialoadenitis. – Clinical features are characteristic of chronic interstitial, parenchymatous sialoadenitis and sialodochitis. – Local and general treatment of patients with chronic sialoadenitis. – - Indications for surgical treatment. 	2
20.	<p>Calculous sialadenitis: clinic, diagnostics, medical treatment. Fistuls of salivary glands, mechanism of their formation. Examination methods, diagnostics, methods of surgical treatment.</p> <ul style="list-style-type: none"> – Etiology and pathogenesis, classification of calculous sialoadenitis. – Clinical manifestations in different stages. – Local and general treatment of calculous sialoadenitis. – Complications of calculous sialoadenitis, their treatment. – Salivary fistula: full and incomplete, external and intraoral. – Methods of diagnosis of salivary gland fistula, clinical signs. – Conservative and surgical treatment of salivary gland fistula. – The main directions of research work of the Department of Propaedeutic of Surgical Dentistry in the study of pathology of the salivary glands. 	2
21.	<p>Control of mastering content module №4</p> <p>Questions and tests that were discussed in the previously content module lessons</p>	2
22.	<p>Arthritis of temporomandibular joint: etiology, pathogeny,</p>	2

No	Theme	Hours
	classification, clinical picture, diagnostics, complication, medical treatment. <ul style="list-style-type: none"> – Anatomy, physiology of the temporomandibular joint. – Arthritis, etiology, classification. – Clinic, diagnosis, differential diagnosis of acute arthritis. – Clinic, diagnosis of chronic arthritis. – Secondary arthritis of the TMJ, consequences, complications. – Treatment of arthritis of the TMJ. 	
23.	Complications of inflammatory diseases of jaw-facial area. Sepsis, mediastinitis. Clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> – Anatomy and topographic anatomy of the mediastinum. – Definition of the concept of sepsis, mediastinitis. – Etiology and pathogenesis of sepsis. – Clinical picture of different phases of sepsis. – Classification of mediastinitis and sepsis. – Ways of spreading purulent process in mediastinitis. – Symptoms of anterior and posterior mediastinitis. – Principles of treatment of mediastinitis and sepsis. 	2
24.	Complications of inflammatory diseases of jaw-facial area. Thrombophlebitis of facial veins and vessels of hard brain-tunic. Clinical picture, diagnostics, medical treatment. Features of motion and medical treatment of inflammatory diseases of jaw-facial area at patients which suffer from diabetes mellitus, and also at the elderly and gerontal patients. <ul style="list-style-type: none"> – Etiology, pathogenesis, classification of thrombophlebitis. – Clinical manifestations, diagnosis and differential diagnosis of thrombophlebitis. – Treatment of thrombophlebitis, prognosis, prevention. – Features of the course, diagnosis and treatment of inflammatory diseases of the maxillofacial area in patients with diabetes mellitus and in an elderly and gerontal patients. – Prevention of general and local complications during treatment. 	2
25.	Control test module 2. Test tasks and theoretical questions on the list.	2
Total		100

Elaboration of topics that are not included in the classroom plan

N	Theme	Hours
Module 1. Propaedeutic of surgical stomatology.		
1.	Organization of surgical department (office) of stomatology polyclinic and stomatology hospital. <ul style="list-style-type: none"> - provision, documentation of the outpatient dental office and department, - acquaintance with the structure of the department of maxillofacial surgery in a clinical hospital, - history and achievements of the department. 	1
2.	General anesthetization.	1

N	Theme	Hours
	<ul style="list-style-type: none"> - types, methods, indications and contraindications, - peculiarities of general anesthesia during operations on the face and in the oral cavity in hospital and outpatient clinic, - complications, their prevention and treatment, - premedication for surgery in the maxillofacial area, - neuroleptanalgesia. 	
3.	Illnesses of eruption of teeth. <ul style="list-style-type: none"> - dystopia, retention, - clinic, diagnostics, - methods of surgical treatment. 	1
4.	General clinical signs, principles of diagnostics of inflammatory processes in maxillofacial area. <ul style="list-style-type: none"> - the concept of inflammatory infiltrate, - differences between infiltrate and swelling, - common signs of purulent inflammation, - local signs of purulent inflammation, - diagnostic techniques. 	1
5.	Hematogenic, contact and traumatic osteomyelitis of jaws. Clinic, diagnostics, medical treatment. <ul style="list-style-type: none"> - peculiarities of etiology and pathogenesis of contact osteomyelitis of jaws, - peculiarities of etiology and pathogenesis of traumatic jaw osteomyelitis, - clinical signs of contact and traumatic jaw osteomyelitis, differential diagnosis, - prevention and treatment of contact and traumatic jaw osteomyelitis. 	1
Module 2. Inflammatory diseases of maxillofacial area.		
1.	Phlegmons and abscesses of the maxillofacial area (MFR): classification, etiology, pathogenesis. <ul style="list-style-type: none"> - clinic, principles of treatment, prevention of complications, - inflammatory process of maxillofacial area: etiology, pathogenesis, types of clinical reactions and features of the course of odontogenic inflammatory diseases, - the role of the immune, hormonal, vascular, circulatory system, etc. 	0,75
2.	Noma. Etiology, pathogeny, clinic, diagnostics, medical treatment. Vegener's Syndrome, signs of AIDS in the oral cavity. <ul style="list-style-type: none"> - manifestations of rare diseases, - manifestations of AIDS and HIV infection, ways of prevention and treatment. 	0,75
3.	Specific inflammatory diseases. Actinomycosis of head and neck. <ul style="list-style-type: none"> - etiology, pathogenesis, clinic, diagnostics, - surgical and conservative treatments, - prevention. 	0,75
4.	Sialosis. Syndromes and diseases with the defeat of salivary glands. <ul style="list-style-type: none"> - Sjögren's syndrome and illness, - syndrome and Miculich's illness, - Heerfordt's syndrome, - etiology, pathogenesis, clinic, diagnostics, treatment. 	0,75

N	Theme	Hours
5.	Arthritis of temporomandibular joint: <ul style="list-style-type: none"> - etiology, pathogenesis, classification, - clinical course, diagnosis, complications, treatment, Syndrome of pain dysfunction TMJ: <ul style="list-style-type: none"> - etiology, pathogenesis, classification, - clinical course, diagnosis, complications, treatment. 	0,75

Individual tasks

Module I

Practical lesson №1

- Theme of the abstract: «Principles of cardiopulmonary resuscitation».
- Table-scheme: «Artificial lung ventilation», «External heart massage».
- Poster presentation: «Physiotherapeutic methods in the treatment of inflammatory processes of the maxillofacial area», collection of illustrative material (photos and radiographs of thematic patients), design of a thematic album.

Practical lesson №2

- Theme of the abstract: «The role of the immune system in the pathogenesis of inflammatory diseases of the maxillofacial area», «Modern methods of antibiotic-therapy of purulent-inflammatory diseases», «The contribution of the staff of the department in the development of the methods of treatment of inflammatory diseases of the maxillofacial area».
- Table-scheme: «Classification of inflammatory diseases of the maxillofacial area», «Comprehensive treatment of inflammatory diseases of the maxillofacial area».

Practical lesson №3

- Poster presentation: «Modern Principles of Medical Deontology», collection of illustrative material (photos and radiographs of thematic patients), design of a thematic album.

Practical lesson №4

- Poster presentation: «Physiotherapeutic methods in the treatment of inflammatory processes of the maxillofacial area», collection of illustrative material (photos and radiographs of thematic patients), design of a thematic album.

Practical lesson №5

- Poster presentation: «Modern Principles of Medical Deontology», collection of illustrative material (photos and radiographs of thematic patients), design of a thematic album.

Practical lesson №6

- Theme of the abstract: «Potential local anesthesia in surgical dentistry », «Features of general anesthesia in surgical dentistry and maxillofacial surgery».

Practical lesson №7

- Theme of the abstract: «Principles of cardiopulmonary resuscitation».
- Table-scheme: «Artificial lung ventilation», «External heart massage».

Practical lesson №8

- Theme of the abstract: «History of development of local anesthesia in surgical dentistry», «Modern local anesthetics and technologies of local anesthesia in

dentistry».

- Table-scheme: «Methods of holding a syringe in the doctor's hand», « Sequence of preparation of a carpula syringe», « Characteristics of local anesthetics».

Practical lesson №10

- Theme of the abstract: «Application and infiltration anesthesia in surgical dentistry».
- Table-scheme: «Remedies for application anesthesia», «Method of infiltration anesthesia», «Method of tight creeping infiltrate according to AV Vishnevsky».

Practical lesson №11

- Theme of the abstract: «Features of innervation of the tissues of the mandible».
- Table-scheme: «Topography of mandibular nerve», «Extraoral ways of mandibular anesthesia», «Extraoral way of mental nerve block».

Practical lesson №12

- Theme of the abstract: «Features of innervation of the tissues of the mandible», «Intraoral methods of anesthesia of the tissues of the mandible».
- Table-scheme: «Topography of mandibular nerve», «Intraoral methods of mandibular anesthesia», «Methods of torus anesthesia», «Intraoral methods of mental anesthesia».

Practical lesson №13

- Theme of the abstract «Features of innervation of tissues of the upper jaw».
- Table-scheme: «Topography of the maxillaries nerve», «Intraoral methods of infraorbital anesthesia», «Extraoral methods of infraorbital anesthesia», «Intraoral method of nasopalatine nerve block», «Extraoral methods of nasopalatine nerve block».

Practical lesson №14

- Theme of the abstract: «Features of innervation of tissues of the upper jaw».
- Table-scheme: «Topography of the maxillaries nerve», «Intraoral method of posterior superior alveolar nerve block», «Extraoral method of posterior superior alveolar nerve block», «Anterior palatine nerve block».

Practical lesson №15

- Theme of the abstract: «Features of the topography of the trigeminal nerve».
- Table-scheme: «Topography of the maxillaries nerve», «Topography of mandibular nerve», «Determination of the trago-orbital line».

Practical lesson №16

- Theme of the abstract: «General complications of local anesthesia», «Local complications during and after anesthesia».
- Table-scheme: «Topography of mandibular nerve», «Topography of the infraorbital foramen», «Topography of the upper jaw».

Practical lesson №18

- Poster presentation: «Classification of Illnesses of eruption of teeth», «Ways of spreading purulent infection in the maxillofacial area», «Modern methods of additional examination of patients with diseases of eruption of teeth», collection of illustrative material (photos and radiographs of thematic patients), design of a thematic album.

Practical lesson №19

- Theme of the abstract: «Features of radiological diagnostics of chronic periodontitis», «Surgical operations at chronic periodontitis».
- Table-scheme: «Classification of periodontitis», «Stages of operation of resection of apex of a root», «Stages of operation of hemisection of a tooth», «Stages of operation of coronary-radicular separation», «Classification of acute and chronic periostitis», «Ways of spreading purulent infection in the maxillofacial area», «The procedure and stages of conducting periosteotomy on the upper and lower jaw».

Practical lesson №20

- Theme of the abstract: «Etiology and pathogenesis of odontogenic osteomyelitis of the jaws», «Contribution of the staff of the department to the development of the problem of acute odontogenic osteomyelitis of the jaws».
- Table-scheme: «Classification of odontogenic osteomyelitis of the jaws».

Practical lesson №21

- Table-scheme: «Differential diagnosis of syphilis, tuberculosis, actinomycosis, AIDS».

Practical lesson №22

- Table-scheme: «Schemes of preventive premedication in surgical dentistry», «Schemes of therapeutic premedication in surgical dentistry», «Stages of general anesthetization anesthesia», «Classification of complications of general anesthesia».

Practical lesson №23

- Theme of the abstract: «Internal hospital infection in the dental clinic and maxillofacial department of the hospital, ways of transmission of infection. Protecting patients and medical staff from hospital infections, viral hepatitis, HIV infection».

Practical lesson №24

- Theme of the abstract: «Features of preparation for the operation of tooth extraction in patients with hypertension, myocardial infarction, stroke, leukemia».

Module II

Practical lesson №1

- Theme of the abstract: «Features of X-ray Diagnosis of Chronic Periodontitis», «Surgical operations in patients with chronic periodontitis». Issue a medical history of a patient with acute osteomyelitis.
- Table-scheme: «Classification of periodontitis», «Stages of operation of resection of apex of a root», «Stages of operation of sequestrectomy».

Practical lesson №2

- Theme of the abstract: «Topographic and anatomical features of maxillofacial tissues», «Types of clinical reactions in inflammatory processes».
- Table-scheme: «Classification of phlegmons of maxillofacial area».

Practical lesson №3

- Theme of the abstract: «Surgical interventions in chronic lymphadenitis, adenophlegmons». Issue a medical history of a patient with acute purulent lymphadenitis.
- Table-scheme: «Classification of lymphadenitis».

Practical lesson №4

- Theme of the abstract: «Surgical interventions at carbuncles». Issue a medical

history of a patient with a furuncle.

- Table-scheme: «Classification of complications of carbuncles».

Practical lesson №5

- Theme of the abstract: «Differential diagnosis of erysipelas, noma and hemodynamic necrosis». Issue a medical history of a patient with erysipelas of face.
- Table-scheme: «Methods for treatment of erysipelas, noma and hemodynamic necrosis».

Practical lesson №6

- Theme of the abstract: «Topographic and anatomical features of the infraorbital area and orbit», «Features of incisions of the abscesses of the palate».
- Table-scheme: «Classification of abscesses and phlegmons of maxillofacial area».

Practical lesson №7

- Theme of the abstract: «Topographic and anatomical features and operative ways of incisions of purulent focuses of the temporal area», «Topographic and anatomical features and operative ways of incisions of purulent focuses of the zygomatic area».
- Poster presentation: «Topography of the temporal area».

Practical lesson №8

- Theme of the abstract: «Topographic and anatomical features and operative ways of incisions of purulent focuses of the buccal area», «Topographic and anatomical features and operative ways of incisions of purulent focuses of the parotid-masticatory and retromandibular areas».
- Table-scheme «Topography of the buccal, parotid-masticatory and retromandibular areas».

Practical lesson №9

- Theme of the abstract: «Topographic and anatomical features and operative ways of incisions of purulent focuses of the submandibular area», «Topographic and anatomical features and operative ways of incisions of purulent focuses of the sublingual space and jaw-tongue groove».
- Poster presentation: «Topography of neck triangles».

Practical lesson №10

- Theme of the abstract: «Topographic and anatomical features of the pterygomandibular and lateral pharyngeal spaces», «Features of incisions of phlegmons of pterygomandibular and lateral pharyngeal spaces».
- Table-scheme: «Classification of abscesses and phlegmons of maxillofacial area».

Practical lesson №11

- Theme of the abstract: «Topographic and anatomical features of the phlegmons infratemporal and pterygopalatine fosses», «Features of incisions of phlegmons of infratemporal and pterygopalatine fosses».
- Table-scheme: «Classification of abscesses and phlegmons of maxillofacial area».

Practical lesson №12

- Theme of the abstract: «Modern methods of antibiotic therapy in the treatment of serious purulent-inflammatory diseases of the maxillofacial area and neck», «Modern methods of diagnostics of purulent-inflammatory processes»,

«Contribution of the department staff to the development of the problem of treatment of purulent-inflammatory diseases of the maxillofacial area».

- Table-scheme: «Methods of surgical treatment of phlegmons of the bottom of the cavity and neck».

Practical lesson №13

- Theme of the abstract: «The etiology of the development of complications of inflammatory processes of maxillofacial area», «Treatment of a brain abscess», «Medicinal tactics at the development of cave sinus thrombosis in patients».

Practical lesson №15

- Theme of the abstract: «Topographic-anatomical features of the spreading of purulent-inflammatory process from focuses in the mandible and operative ways of incisions the purulent focuses of the mediastinum», «Odontogenic sepsis: etiology, pathogenesis, phases of development, features of the clinical picture and treatment».
- Table-scheme: «Topography of the mediastinum», «Ways of spreading odontogenic infection from sources around the mandible».

Practical lesson №16

- Poster presentations: «Classification of acute odontogenic inflammatory diseases and their complications», «Ways of spreading purulent infection in maxillofacial area», «Modern methods of additional examination at acute odontogenic inflammatory diseases», collection of illustrative material (photos and radiographs of thematic patients), design of the thematic album.

Practical lesson №17

- Theme of the abstract: «Etiology and pathogenesis of acute odontogenic osteomyelitis of the jaws», «Contribution of the staff of the department to the development of the problem of acute odontogenic osteomyelitis of the jaws».
- Table-scheme: «Classification of acute odontogenic osteomyelitis of the jaws».

Practical lesson №18

- Theme of the abstract: «Topographic and anatomical features of the structure of the TMJ», «Modern methods of diagnosis of diseases of the TMJ».
- Table-scheme: «Classification of diseases of the TMJ».

Practical lesson №19

- Theme of the abstract: «Etiology, pathogenesis, clinical presentation and diagnosis of chronic forms of sialoadenitis».
- Table-scheme: «Classification of sialoadenitis», «Procedure and stages of examination of patients with lesion of salivary glands», «Procedure and stages of treatment of patients with lesion of salivary glands».

Practical lesson №20

- Theme of the abstract: «Modern methods of research of functioning of salivary glands», «Sialoendoscopy technique in maxillofacial surgery».

Practical lesson №22

- Theme of the abstract: «Modern painkillers (anesthetics), equipment: action, disadvantages and benefits. Features of anesthesia at tooth extraction in patients with myocardial infarction, diabetes mellitus, cardiovascular disease».

Practical lesson №23

- Theme of the abstract: «Deep phlegmons of maxillofacial area: differences from superficial ones».

Practical lesson №24

- Theme of the abstract: «General principles of local treatment of the phlegmons of the maxillofacial area. Groups of pharmacological preparations for local using».

Abstracts should be written by hand in a volume of 5 A4 pages and have the following structure: introduction, relevance of the topic, objectives and results of the study, conclusions and references. References to information sources should also be provided when making poster reports.

List of the theoretical questions for control module 1

1. Stages of development the surgical stomatology in Ukraine. Investment of native scientists.
2. Organization of stomatological surgical care in polyclinic and hospital.
3. Examination of patient in surgical department of polyclinic and hospital. Medical documentation.
4. Immunological features of maxillofacial tissues. Significance of local immunity in clinical course of odontogenic inflammation.
5. Asepsis and antisepsis during operation in maxillofacial area at polyclinic and hospital.
6. Methods of scrubbing for surgeon in polyclinic and hospital.
7. Aseptic and antiseptic prophylactic aspects of HIV-infection and viral hepatitis in polyclinic and hospital practice of surgeon.
8. Pain, their components, ways of transmitting to brain. Response of organism on pain and surgical trauma.
9. Medicines for local anesthesia, their contents and mechanism of action. Recipes.
10. Prolongation of anesthetic action. Vasoconstrictors. Dosing. Intoxication by adrenalin.
11. Methods of production, storing and qualitative analysis of anesthetics. Probe on novocaine by Lykomskiy and with chloramines "B".
12. Types of local anesthesia in maxillofacial area. Methods of conducting.
13. Syncope, collapse. Clinical course, emergency in polyclinic.
14. General complications during local anesthesia. Anaphylactic shock. Emergency.
15. Local complications during anesthesia in maxillofacial area. Etiology, pathogeny, clinical symptoms, emergency, prophylaxis.
16. Local complications during anesthesia in maxillofacial area. Prophylaxis, diagnostics, treatment.
17. Local complications during and after injection of anesthetic. Prophylaxis, treatment.
18. Choice of local anesthesia at patient with allergic response.
19. Drug potentiation of local anesthesia: principles of premedication, the main drugs which inserted to plan of premedication, imperfections and advantages.
20. Central anesthesia by blocking n.maxillaris. Area of innervation, indications, technique of conducting. Prophylaxis of complications.
21. Central anesthesia by blocking n.mandibularis. Area of innervation, indications,

- technique of conducting. Prophylaxis of complications.
22. Alveolaris superiores posteriores nerve block. Area of action. Indications. Technique of conducting. Possible complications, their prophylaxis and treatment.
 23. Alveolaris superiores anteriores and medialis nerve block. Area of action. Indications. Technique of conducting. Possible complications, their prophylaxis and treatment.
 24. Nasopalatine nerve block. Area of action. Indications. Technique of conducting. Possible complications, their prophylaxis and treatment.
 25. Alveolaris superiores anteriores and medialis infiltration anesthesia. Area of action. Indications. Technique of conducting. Prophylaxis of complications.
 26. Intraoral digital mandibular nerve block. Area of action. Indications. Technique of conducting. Prophylaxis of complications.
 27. Extraoral mandibular nerve block. Area of action. Indications. Technique of conducting. Prophylaxis of complications.
 28. Mental nerve block. Area of action. Indications. Technique of conducting.
 29. Anestheization according to Veisbrem. Area of action. Indications. Technique of conducting. Prophylaxis of complications.
 30. Anestheization according Bershe, Bershe-Dubov. Indications. Technique of conducting.
 31. Anestheization according to Vishnevsky in infratemporal fossa. Trigeminal sympathetic block. Indications. Technique of conducting.
 32. Intraoral mandibular nerve block (without finger). Area of action. Indications. Technique of conducting. Prophylaxis of complications.
 33. Buccal nerve block. Types of anestheization. Area of action. Indications. Technique of conducting.
 34. Types and features of narcosis during surgical operation in maxillofacial area (policlinic and hospital). Indications and contraindications.
 35. Medicines for narcosis, their pharmacodynamic action. Neuroleptanalgesia. Indications and contraindications in surgical stomatology.
 36. Premedication of patient to maxillofacial operation in polyclinic and hospitals. Possible complications of drug potentiation.
 37. Indications and contraindications to using of different forms of local and general anesthesia during maxillofacial and oral operation in polyclinic and hospitals.
 38. Features of local anesthesia at patient of declining years.
 39. Features of local anesthesia during of exodontia at patient with myocardial ischemia, diabetes mellitus and cardiovascular diseases.
 40. Preparation of patient to operation in polyclinic and hospitals.
 41. Preparation of patient and oral cavity to removal of tooth.
 42. Features of preparation of patient with hypertension, cardiac infarction, brain stroke and leucosis to exodontia.
 43. Exodontia. Indications and contraindications.
 44. Exodontia. Step by step.
 45. Surgical armaments for exodontia on upper jaw. Construction and principles of using.

- 46.Features of removal of single teeth on upper jaw.
- 47.Surgical armaments for exodontia on lower jaw. Construction and principles of using.
- 48.Features of removal of single teeth on lower jaw.
- 49.Local anesthesia for removal of upper incisors.
- 50.Local anesthesia for removal of upper premolars.
- 51.Local anesthesia for removal of lower mollars.
- 52.Surgical extraction of tooth. Technique of alveolotomy. Complications and treatment.
- 53.Local complications during exodontia. Prevention, diagnostics, treatment.
- 54.Bleeding after exodontia, their causes, technique of stopping, prevention.
- 55.Perforation of maxillary sinus during exodontia. Causes, clinics, diagnostics.
- 56.Take action of surgeon after perforation of maxillary sinus during exodontia.
- 57.Alveolitis. Etiology, clinics, diagnostics, prevention and treatment.
- 58.Illnesses of eruption teeth. Dystopia and retention. Clinic, diagnostics. Indications and methods of exodontia.
- 59.Pericoronitis. Reasons, classification, clinic, diagnostics, methods of conservative and surgical treatment.
- 60.Acute periodontitis Classification, clinic, diagnostics and treatment.
- 61.Reasons of exacerbation of chronic periodontitis, pathogeny. Treatment, prophylaxis of complications.
- 62.Chronic granulomatous periodontitis. Clinic and diagnostics. Types of granuloma, theories of origin of epithelial lesion.
- 63.Surgical methods of treatment of chronic periodontitis. Resection of apex of root. Indications, technique of operation, possible complication, their prophylaxis.
- 64.Surgical methods of treatment of chronic periodontitis. Dental hemisection, root amputation, tooth replantation. Indications and technique of operation. Complications and their prophylaxis.
- 65.Tooth replantation: single-step and deferred operation, indication and contra-indication, method of operation, complications. Types of accretion of root of tooth with an alveolus.
- 66.Periostitis of jaws: classification, etiology, pathogeny, clinic, differential diagnostics.
- 67.Treatment of acute purulent odontogenic periostitis of jaws.
- 68.Osteomyelitis of jaws. Etiology, theories of pathogeny, classification.
- 69.Differential diagnostics of acute periodontitis, periostitis and osteomyelitis of jaws.
- 70.Acute hematogenous osteomyelitis of upper jaw: etiology, clinic, complication and treatment.
- 71.Features of clinical course, diagnostics and treatment of nonodontogenic acute osteomyelitis of jaws.
- 72.Odontogenic osteomyelitis of jaws. Acute stage. Clinic, diagnostics, treatment.
- 73.Odontogenic osteomyelitis of jaws. Chronic stage. Clinic, diagnostics. Conservative treatment. Operation of sequestrectomy. Indications, terms and technique of operation. Prophylaxis of complications.

- 74.Features of clinical course of odontogenic osteomyelitis of lower and upper jaws.
Dependence from morphological features. Complications of osteomyelitis.

List of theoretical questions to prepare applicants of higher education for semester final certification

Questions 1-74 from the final module control 1 are controlled during the semester final certification

- 75.Abscess and phlegmons of maxillofacial area. Main clinical signs, diagnostics.
76.Abscess and phlegmons of maxillofacial area. Principles of complex treatment.
77.General pharmacotherapy of phlegmons. Writing of recipes.
78.Topical anatomy of cellular tissue spaces in maxillofacial area. Ways of infection expansion.
79.Phlegmons of infratemporal and pterygopalatine fossa. Etiology, pathogeny, clinics, diagnostics, treatment.
80.Phlegmons in temporal area. Causes, clinics, diagnostics, treatment.
81.Abscess and phlegmons in infraorbital and zygomatic area. Causes, clinics, diagnostics, treatment.
82.Abscess and phlegmons in pterygomandibular space. Topical anatomy, causes, clinics, diagnostics, treatment.
83.Abscess and phlegmon of peripharyngeal space. Surgical anatomy, reasons, clinic, diagnostics, treatment.
84.Abscess and phlegmon of parotid-masticatory area. Reasons, surgical anatomy, clinic, diagnostics, treatment.
85.Abscess and phlegmon of submasseterical space. Surgical anatomy. Reasons, clinic, diagnostics, treatment.
86.Abscess and phlegmon of submandibular space. Surgical anatomy, reasons, clinic, diagnostics, treatment.
87.Abscess and phlegmon of retromandibular area. Surgical anatomy, reasons, clinic, diagnostics, treatment.
88.Abscess and phlegmon of buccal area. Surgical anatomy, reasons. Clinic, diagnostics, treatment.
89.Abscess and phlegmon of tongue. Reasons, clinic, diagnostics, treatment.
90.Abscess of jaw-tongue groove. Surgical anatomy, reasons, clinic, diagnostics, treatment.
91.Phlegmon of bottom of oral cavity. Surgical anatomy, reasons, clinic, diagnostics, treatment.
92. Necroputrefactive phlegmon of bottom of cavity of mouth (Ludwig's of angina). Clinic, diagnostics, medical treatment.
93.Odontogenic and nonodontogenic phlegmons in maxillofacial area: differential diagnostics, features of clinical course, treatment, complications.
94.Clinic, topographical anatomy and treatment of phlegmons of neck.
95.Odontogenic maxillary sinusitis. Etiology, classification, clinic, diagnostics, treatment.
96.Odontogenic maxillary sinusitis. Conservative and surgical treatment. Complications and their treatment, prophylaxis.
97.Lymphadenitis of maxillofacial area: classification, clinic, differential diagnostics,

treatment.

98. Pseudoparotitis (by Gercenberg) and parotitis.
99. Noma: etiology, pathogeny, clinical picture, treatment. Differential diagnostics, complication.
100. Furuncles and carbuncles of maxillofacial area: classification, clinic, complication and treatment.
101. Erysipelas of head and neck. Etiology, pathogeny, clinical picture, treatment. Differential diagnostics, complications.
102. Acute inflammation of salivary glands: classification, clinical course, treatment.
103. Sialolithiasis: etiology, clinic, complications and treatment.
104. Chronic inflammation of salivary glands, Sjogren's syndrome, Mikulicz's disease.
105. Clinic, diagnostics and treatment of arthritis and arthrosis of TMJ. To write necessary recipes.
106. Actinomycosis of maxillofacial area: clinics, differential diagnostics, treatment.
107. Syphilis of maxillofacial area: clinics, differential diagnostics, treatment.
108. Complications of phlegmons in maxillofacial area: abscess of brain, meningitis. Etiology, clinical symptoms, treatment.
109. Odontogenic mediastinitis: etiology, pathogeny, clinical symptoms, diagnostics.
110. Thrombophlebitis of facial veins, thrombosis of cavernous sinus. Etiology, clinic, differential diagnostics, treatment.
111. Sepsis, infectious toxic shock. Etiology, clinic, differential diagnostics, treatment.

The list of practical tasks and work for concluding control module 1

1. To collect the medical history and filling outpatient's card.
2. To conduct the examination of surgical stomatological out-patient and filling outpatient's card.
3. To conduct the examination of salivary glands and peripheral lymphnodes in maxillofacial area and neck.
4. To make a primary diagnosis on the basis of medical history and his examination (patient with periodontitis, periostitis, osteomyelitis of jaws and phlegmon of maxillofacial area).
5. To know a scheme and be able to report about a patient to teacher; justify the diagnosis and make a treatment plan.
6. To prepare the set of surgical tools for the examination of surgical stomatological patient.
7. To prepare the set of surgical tools for the removal of incisors on an upper jaw.
8. To prepare the set of surgical tools for the removal of canines on an upper jaw.
9. To prepare the set of surgical tools for the removal of premolars on an upper jaw.
10. To prepare the set of surgical tools for the removal of molars on an upper jaw.
11. To prepare the set of surgical tools for the removal of the 3d molars on an upper jaw.
12. To prepare the set of surgical tools for the removal of incisors on a lower jaw.
13. To prepare the set of surgical tools for the removal of canine on a lower jaw.

14. To prepare the set of surgical tools for the removal of premolars on a lower jaw.
15. To prepare the set of surgical tools for the removal of the 3d molars on a lower jaw.
16. To prepare the set of surgical tools for the removal of the impacted wisdom tooth on the lower jaw.
17. To prepare the set of surgical tools for the operation of incision of operculum at the pericoronaritis 38, 48 teeth.
18. To prepare the set of surgical tools for the operation of excision of operculum at the pericoronaritis 18, 28 teeth.
19. To prepare the set of surgical tools for the removal of the impacted 13, 23 teeth.
20. To prepare the set of surgical tools for the removal of molars on a lower jaw.
21. To prepare the set of surgical tools for the resection of the apex of the root of tooth.
22. To prepare the set of tool for operation of replantation of tooth.
23. To prepare the set of tool for coronaradicular separation.
24. To prepare the set of tool for amputation of root.
25. To prepare the set of tool for dental hemisection.
26. To prepare the set of surgical tools and medicines for the stopping bleeding from alveolus after tooth removal.
27. To prepare the surgical tools for the incision of tissues at periostitis.
28. To prepare the surgical tools for the sequestrectomy.

List of practical skills for the semester final certification

Skills 1-28 from final module control 1 are controlled during semester final certification

29. To prepare the set of surgical tools for incision and draining of phlegmon of submandibular space.
30. To prepare the set of surgical tools for incision and draining of phlegmon of parotid-masticatory, pterygomandibular and temporal area.
31. To prepare the set of surgical tools for an incision and draining of abscess of jaw-tongue groove.
32. To prepare the set of surgical tools for incision and draining of phlegmon of infratemporal and pterygopalatine fossa (from different accesses).
33. To prepare the set of surgical tools for incision and draining of abscesses of canine fossa.
34. To prepare the set of surgical tools for incision and draining of phlegmon of orbit.
35. To prepare the set of surgical tools for incision and draining of furuncles in maxillofacial area.
36. To prepare the set of surgical tools for incision and draining of carbuncles in maxillofacial area.
37. List and make soft bandages on the model, which are used in cases of damage to the soft tissues of the maxillofacial area.
38. To interpret the results of X-ray studies for making diagnosis by:
 - a. periodontitis;
 - b. osteomyelitis of jaw and facial bones; odontogenic sinusitis
 - c. traumatic injuries of tooth – dislocations and fracture

- d. dislocations of TMJ;
 - e. diseases of salivary glands.
39. To conduct any type of the local anesthesia in maxillofacial area.
40. To conduct the typical operation of removal of teeth or their roots.

Form of final control of studying success – final module control, semester final certification.

System of current and final control

Control of knowledge in the study of discipline is conducted in the form:

current control, which is carried out at each practical lesson, and allows to identify the level of mastering of individual elements of training material; **thematic control**, **border control** - is carried out after completion of a certain stage of training in practical final lessons - in accordance with the specific objectives of the content modules, **final module control** serves to check and assessment knowledge, skills and competences from each module of the discipline by testing and controlling practical skills. The following means of diagnostics of the level of preparation of applicants of higher education are applied: test control; solving situational tasks; structured writing; structured by the procedure control of practical skills and competences according to the list of practical skills for each lesson.

Assessment of current educational activity is carried out at each lesson on a four-point (traditional) scale, taking into account the standardized, generalized criteria for assessing the knowledge of applicants for higher education, given in the table:

Standardized generalized criteria for assessing the knowledge of applicants for higher education in PSMU

Traditional 4-point score	Score in ECTS	Evaluation criteria
5 (excellent)	A	The applicant of higher education shows special creative abilities, is able to acquire knowledge independently, without the help of the teacher finds and processes the necessary information, is able to use the acquired knowledge and skills for decision-making in unusual situations, convincingly argues answers, independently reveals own talents and inclinations, possesses not less than 90 % of knowledge on the topic both during the survey and all types of control.
4 (good)	B	The applicants of higher education is fluent in the studied amount of material, applies it in practice, freely solves exercises and problems in standardized situations, independently corrects errors, the number of which is insignificant, has at least 85% knowledge of the topic as during the survey, and all types of control .
	C	The applicant of higher education is able to compare, summarize, systematize information under the guidance of a scientific and pedagogical worker, in general, independently apply it in practice, control their own activities; to correct mistakes, among which there are significant, to choose arguments to confirm opinions, has at least 75% knowledge of the topic both during the survey and all types of control.

3 (satisfactory)	D	The applicant of higher education reproduces a significant part of the theoretical material, shows knowledge and understanding of the basic provisions with the help of research and teaching staff can analyze educational material, correct errors, among which there is a significant number of significant, has at least 65% knowledge of the topic, and all types of control.
	E	The applicant of higher education possess the educational material at a level higher than the initial, a significant part of it reproduces at the reproductive level, has at least 60% knowledge of the topic both during the survey and all types of control.
2 (unsatisfactory)	FX	The applicant of higher education possess the material at the level of individual fragments that make up a small part of the material, has less than 60% knowledge of the topic both during the survey and all types of control.
	F	The applicant of higher education possess the material at the level of elementary recognition and reproduction of individual facts, elements, has less than 60% knowledge of the topic as during the survey, and all types of control.

The maximum number of points for the applicant of higher education current educational activity is **120 points**.

Evaluation of self-directed work: evaluation of applicants of higher education self-directed work, which is provided in the subject along with the classroom work, is carried out during the current control of the topic in the relevant classroom.

Assessment of topics that are taken only for independent work and are not included in the topics of classroom training, is controlled by the final module control.

After the last lesson had been completed before the final module control, the average applicants of higher education grade on the traditional 4-point scale, obtained during the current classes belonging to this module (up to the hundredth grade) is calculated, with further conversion into a multi-point. Conversion is carried out according to the following table where the maximum is 120 points.

The final module control is carried out after completing the study of all module topics (content modules) in the last lesson of the module. Final control is allowed for applicants of higher education who have completed all types of work required by the curriculum, and in the course of the module have accumulated a score not less than the minimum, which is 72. The form of the final module control is standardized and includes the control of theoretical and practical training determined on the basis of a work training program in surgical dentistry.

Applicants for higher education who, in the course of study in a specific discipline whose form of control is the final module control have an average score of 4.5 to 5.0 are exempted from the compilation of the FMC and automatically (with consent) receive a final grade according to the table of compliance, with the presence of the applicant at the FMC is mandatory.

The final module control is standardized and includes theoretical and practical training. The theoretical part of the FMC consists of 40 test tasks (1 point is each – total are 40 points), 2 theoretical questions and 2 practical tasks, which are evaluated at 10 points. Practical training is evaluated by the applicants of higher education ability to perform basic dental manipulations on the phantoms of performing anesthesia, surgery of

tooth extraction, choice of tools, operative access to the inflammatory focuses. Total are 80 points. **The final module control** is credited to the student if he has scored at least 50 points out of 80 possible. Module grade is calculated as the sum of points for current performance and total module control. **Total** maximum points for each module are 200.

A student whose scores less than 50 points on the FMC is required to retake the FMC according to the schedule no more than 2 times.

Semester control is carried out in the form of a final semester certification (examination) (FSC) in the amount of study material defined by the curriculum, in terms set by the curriculum and the schedule of the educational process. Semester final certification (Exam) (FSC) is a form of final control of the applicants of higher education acquisition of theoretical and practical material in surgical dentistry for the period of the material actually studied of the first and second modules, which is conducted as a control measure.

A applicant of higher education is considered to be admitted to the FSC if he/she has no academic debt and has completed all kinds of work, provided by the work training program in surgical dentistry, during the period of his/her study of the first and second modules.

Applicants for higher education who during the study of the discipline from which the exam is conducted, (except for comprehensive test exam (CTE) and unified state qualifying exam (USQE)) have a grade point average of 4.5 to 5.0 during their studies are exempted from the FSC (with consent) and automatically receive a final grade according to the table of compliance with the presence of the applicant at the FSC is mandatory. In case of disagreement with the assessment, the specified category of applicants for higher education takes the exam according to the general rules.

Unified table of correspondence of points for current performance - points for FMC, exam and traditional four-point score

The average score of current performance (A)	Points for the current success of the module (A*24)	Points for the FMC (A*16)	Points for the module and/or exam (A*24+A*16)	Category of ECTS	Traditional 4-point score
2,00	48	32	80	F FX	2 unsatisfactorily
2,1	50	34	84		
2,15	52	34	86		
2,2	53	35	88		
2,25	54	36	90		
2,3	55	37	92		
2,35	56	38	94		
2,4	58	38	96		
2,45	59	39	98		
2,5	60	40	100		
2,55	61	41	102		
2,6	62	42	104		
2,65	64	42	106		
2,7	65	43	108		

2,75	66	44	110		
2,8	67	45	112		
2,85	68	46	114		
2,9	70	46	116		
2,95	71	47	118		
3	72	50	122	E	3 satisfactorily
3,05	73	50	123		
3,1	74	50	124		
3,15	76	50	126		
3,2	77	51	128		
3,25	78	52	130	D	
3,3	79	53	132		
3,35	80	54	134		
3,4	82	54	136		
3,45	83	55	138		
3,5	84	56	140	C	4 good
3,55	85	57	142		
3,6	86	58	144		
3,65	88	58	146		
3,7	89	59	148		
3,75	90	60	150		
3,8	91	61	152		
3,85	92	62	154		
3,9	94	62	156		
3,95	95	63	158		
4	96	64	160	B	
4,05	97	65	162		
4,1	98	66	164		
4,15	100	66	166		
4,2	101	67	168		
4,25	102	68	170		
4,3	103	69	172		
4,35	104	70	174		
4,4	106	70	176		
4,45	107	71	178		
4,5	108	72	180	A	5 excellent
4,55	109	73	182		
4,6	110	74	184		
4,65	112	74	186		
4,7	113	75	188		
4,75	114	76	190		
4,8	115	77	192		
4,85	116	78	194		
4,9	118	78	196		
4,95	119	79	198		
5	120	80	200		

FSC is conducted on the exam tickets in the form of an oral exam.

The complexity of the tickets is approximately equivalent and allows the applicant of higher education to answer deeply and fully reveal the content of the questions for

allotted up 20 minutes for an answer.

The contents of the examination tickets are discussed at the meeting of the department and are reviewed by profile specialists at the meeting of the cycle commission not later than one month before the beginning of the credit-certification week. In addition, the list of reference materials that the applicant of higher education is allowed to use during the preparation of the FSC is approved.

Upon completion of the answer, the examiner, if necessary, asks additional questions, points out the deficiencies in the applicants of higher education answer and justifies the assessment.

FSC results

As a result of passing the exam, the applicant of higher education is given a total grade from 0 to 80 points, the conversion of points into the traditional grade is not carried out.

Surgical Dentistry course grade of Modules 1, 2 is given only to applicants of higher education who have both courses in the discipline enrolled.

The discipline grade is given as the average of the grades for the modules for which the discipline is structured. Promotional points can be added to the number of discipline points at the decision of the Academic Council for applicants of higher education who have scientific publications or won prizes for participating in the discipline of the discipline among universities of Ukraine, applicant of higher education conferences, etc.

Teaching methods

The organization of the educational process is carried out in accordance with the requirements of the European credit transfer system of the organization of the educational process.

Teaching of discipline is provided by the following methods:

- **verbal**, providing the applicants of higher education with **perception and assimilation** of knowledge (lecture, explanation, story, conversation, instruction);
- **visual** (observation, illustration, demonstration);
- **practical for the application of knowledge and acquisition and consolidation of skills** (different types of dental manipulations on phantoms, performing manual works);
- brainstorm, role-playing games, clinical cases, debates;
- **checking and evaluation of knowledge, skills and competences**;
- implementation of applicants of higher education' self-independent work (SIW), which is provided in the thematic plans in the form of topics for independent study and is monitored on the final module control;
- **motivations** for scientific publications or prizes for participation in the Olympiad in disciplines among universities of Ukraine, applicant of higher education conferences, etc.

The maximum efficiency of training is reached on condition of system combination of these methods.

Control methods

Standardized methods of control that evaluate the applicants of higher education theoretical and practical preparation according to the requirements of the curriculum: oral, written, test, computer, using of tests of the format of the integrated license exam "Krok", self-control and self-assessment - in the volume of program material in the discipline.

Types of control: preliminary, current, final, final module control, semester final certification.

Methodological support

1. Basic and additional literature.
2. Methodical guidelines of discipline lectures.
3. Methodical guidelines for independent work of applicants of higher education in preparation for practical classes.
4. Test and control tasks for practical classes.
5. List of questions for the final module control.
6. Multimedia lecture presentations.

Recommended literature

Main literature

1. Tkachenko P.I. Propaedeutics of surgical stomatology and inflammatory diseases of maxillofacial area / P.I. Tkachenko, A.I. Pan'kevych, K.Yu. Rezvina. – Poltava : ASMI, 2011. – 283 p.
2. Oral and maxillofacial surgery : textbook / Ed. by prof. V. Malanchuk / part two. – Vinnytsia : Nova Knyha Publishers, 2011. – 288 p.
3. Oral and Maxillofacial Surgery / J. Pedlar, J. Frame. – Edinburg, London, New York, Philadelphia, Sydney, Toronto: Churchill Livingstone, 2003. – 325 p.
4. Principle of oral and maxillofacial surgery / Ed. by U.J. Moore. – Blackwell Science, 2001. – 276 p.
5. Textbook of general and oral surgery / D. Wray, D. Stenhouse, D. Lee, A. Clark. – Edinburg, London, New York, Philadelphia, St Louis, Toronto, Churchill Livingstone, 2003. – 322 p.
6. Atlas of Minor Oral Surgery (2nd Edition) by D McGowan ISBN 1853177660 Publisher: Thieme Medical Publishers, May 1999 186 pages Hardcover .
7. Contemporary Oral and Maxillofacial Surgery (4th Edition) Larry J. Peterson (Editor), Edward Ellis (Editor) & James R Hupp ISBN 0323018874 Publisher: Mosby-Year Book, Dec. 2002 875 pages, 1650 illus, Hardcover.
8. Oral and Maxillofacial Infections (4th Edition) by Richard G Topazian, DDS, Morton H Goldberg, DMD, MD and James R Hupp, DMD, MD, JD, FACS ISBN: 0721692710 Publisher: W.B. Saunders, Feb. 2002 540 pages, 522 illus, Hardcover.
9. Mitchell D. An Introduction to Oral and Maxillofacial Surgery / D. Mitchell. – Oxford University Press, Jan, 2006. – 356 p.
10. Coulthard P. Master dentistry / P. Coulthard, K. Horner PH. Sloan, E. Theaker. – Edinburg, London, New York, Philadelphia, St Louis, Toronto, Churchill Livingstone, 2003. – 267 p.

Additional

1. Clinical Review of Oral and Maxillofacial Surgery (2nd Edition) by Shahrokh C. Bagheri DMD MD, and Chris Jo DMD ISBN 032304574X Publisher: Mosby, August 2007 384 pages Softcover
2. Handbook of Third Molar Surgery by George Dimitroulis, MDSc, FDSRCS, FFDRCS, FRACDS ISBN: 0723610843 Publisher: Butterworth-Heinemann, Apr. 2001 162 pages, 26 illus, Softcover
3. Manual of Minor Oral Surgery for the General Dentist by Karl Koerner ISBN: 0813805597 Publisher: Blackwell Munksgaard July 2006, 336pages Softcover
4. Tooth Extraction by P Robinson ISBN 0723610711 Publisher: Butterworth-Heinemann Medical, June 2000 130 pages Paperback

Information resources

<https://www.pdfdrive.com/contemporary-oral-and-maxillofacial-surgery-5e-e164191042.html>

<https://www.pdfdrive.com/contemporary-oral-and-maxillofacial-surgery-e187520208.html>

<https://www.pdfdrive.com/textbook-of-oral-and-maxillofacial-surgery-e168318935.html>

[https://www.academia.edu/37335369/Textbook of Oral and Maxillofacial Surgery - 3rd ed. 2012 .pdf](https://www.academia.edu/37335369/Textbook_of_Oral_and_Maxillofacial_Surgery_-_3rd_ed._2012_.pdf)

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