

MINISTRY OF HEALTH UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY

Department of surgical dentistry and maxillo-facial surgery

Academic year 2019-2020

SYLLABUS OF THE EDUCATIONAL COMPONENT
«SURGICAL DENTISTRY»

normative educational component

The form of education full-time

Field of knowledge 22 "Healthcare"

Specialty «221 «Dentistry»


Educational and professional program of the second master's level of higher education

The third course

The syllabus of the discipline was considered at the meeting of the Department of Surgical Dentistry and Maxillofacial Surgery

Protocol
"2" September 2019 № 14

Head of department

 professor Grigorov S.M.

Approved by the methodical commission of KhNMU on dental problems

Protocol from
"02" of September 2019 № 4

Head of the methodical commission of KhNMU on dental problems

 professor Ruzin G.P.

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2. Ruzin Gennady Petrovich, professor, doctor of medical sciences
3. Reкова Lilyana Petrovna, head teacher of the department, associate professor, candidate of medical sciences
4. Storozheva Marina Viktorivna, associate professor, candidate of medical sciences

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Offline consultations: schedule and place according to the schedule of the department.

Online consultations: schedule and place by prior arrangement with the teacher.

Location: classes are held in the conditions of USC KNMU, Kharkiv Regional Hospital (KNP CHOR OKL), Kharkiv Clinical Hospital on railway transport №2

INTRODUCTION

The syllabus of the discipline "Surgical Dentistry" is compiled in accordance with the Educational-Professional Program "Dentistry" and the Standard of Higher Education of Ukraine (hereinafter - the Standard), the second (master's) level, field of knowledge 22 "Health" specialty 221 "Dentistry".

Description of the discipline "Surgical Dentistry" (abstract)

Section 1 "Propaedeutic of surgical dentistry"

Surgical dentistry and maxillofacial surgery as medical disciplines and tasks. The place of surgical dentistry and maxillofacial surgery among other medical disciplines. Prospects for the use of modern computer science and computer technology in medical work and research. International cooperation in the field of surgical dentistry and maxillofacial surgery.

Types of surgical dental care: outpatient and inpatient (emergency and planned). Features of the organization of assistance in extreme situations. Organization of work and equipment of the surgical department (office) of the dental clinic, maxillofacial department of the hospital, operating room, dressing room.

Examination of a surgical dental patient. Features of examination of patients with diseases of the dental system, injuries, inflammatory processes, benign, malignant and tumor-like formations, congenital and acquired defects, deformities of the maxillofacial area.

Anesthesia in surgical dentistry and maxillofacial surgery. Purpose, types and tasks of anesthesia in dentistry. Organization and provision of anesthesiology and resuscitation services in the dental clinic and hospital.

Emergencies during dental interventions that require urgent medical attention: respiratory complications, cardiovascular, comatose, shock, etc. Principles of cardiopulmonary resuscitation.

Surgical interventions in the mouth, face and jaws.

Section 2 "Inflammatory diseases of the maxillofacial area"

Etiology and pathogenesis of purulent-inflammatory diseases of maxillofacial localization. Periodontitis. Etiology, pathogenesis, pathological anatomy, ways of spreading the infectious process. Clinic, diagnosis, differential diagnosis, surgical treatment. **Periostitis of the jaws.** Classification. Pathological anatomy. Clinical picture. Differential diagnosis. Treatment. **Osteomyelitis of the jaws.** Classification. Clinic and differential diagnosis of acute odontogenic osteomyelitis. Complex pathogenetic treatment: surgical, drug therapy, application of physiotherapeutic methods. Teething disease. **Dystopia, retention.** Etiology, pathogenesis, clinic, diagnosis, treatment. Abscesses and phlegmons of the maxillofacial area and neck. Etiology and pathogenesis of abscesses and phlegmon of the maxillofacial area and neck. Etiological and pathogenetic principles of general and local treatment of inflammatory processes. **Odontogenic sinusitis.** Etiology, pathogenesis. Classification. Methods of diagnosis and treatment. Nonodontogenic inflammatory diseases of the face. Clinic, treatment, prevention of complications. Rash inflammation. Specific inflammatory diseases of the maxillofacial area. **Actinomycosis** of the maxillofacial area. Etiology and pathogenesis. Clinic, diagnosis, differential diagnosis, general principles of treatment. **Diseases of the salivary glands.** Classification of diseases of the salivary glands. Methods of examination of patients: clinical, laboratory, radiological (sialography), radiological: pantomo- and radiosialography, sialoscintigraphy. Clinic, differential diagnosis. Methods of treatment.

The subject of study of the discipline is the etiology, pathogenesis, clinical picture, diagnosis, treatment, prevention of surgical diseases of the maxillofacial area.

Interdisciplinary connections are provided by knowledge of basic clinical disciplines (therapeutic dentistry, orthopedic dentistry, surgical dentistry, pharmacology) and continuation of further study of clinical disciplines - therapeutic dentistry, orthopedic dentistry, surgical dentistry, provides integration with these disciplines. knowledge in the process of further education and professional activity.

Prerequisites. The study of the discipline involves the prior mastering of disciplines in medical biology, normal and pathological anatomy, normal and pathological physiology, biochemistry, microbiology, medical genetics, pharmacology and prescription, epidemiology and principles of evidence-based medicine, emergency and emergency medical care, and care for patients with surgical profile and their management in outpatient and inpatient settings.

Postrequisites. The main provisions of the discipline should be applied in the study of related disciplines during education, is the basis for preparation for the licensing exam EDKI, preparation for study in higher education institutions in the programs of the third educational and scientific level of higher education.

Link to the discipline page in MOODLE

<http://distance.knmu.edu.ua/course/view.php?id=3543>

1. The purpose and objectives of the discipline

1.1. The purpose of teaching the discipline "Surgical Dentistry" is the acquisition of knowledge and practical skills acquired in the study of the discipline, the formation and development of students' professional ability to make independent decisions in the field of surgical dentistry.

1.2. The main objectives of the discipline "Surgical Dentistry" are the principles of application of the rules of asepsis, antiseptics, methods of anesthesia, the ability to analyze the results of examination of a dental patient in a surgical dentistry, determining a treatment plan for surgical dental diseases in the clinic, options for the most common complications in the clinic of diseases, possession of moral and deontological principles of a medical specialist, diagnosing emergencies in the clinic of surgical dentistry;

- to interpret the influence of environmental factors on the general and dental health of the population, to provide the necessary emergency care in the clinic of surgical dentistry, to carry out surgical treatment of major dental diseases, to make a final clinical diagnosis of major diseases in the clinic of surgical dentistry.

1.3. Competences and learning outcomes, the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formulated in terms of learning outcomes in the Standard).

According to the requirements of the educational-professional program, students must:

Know the symptoms of surgical dental diseases, acquire skills in the diagnosis of maxillofacial disorders and diseases, their treatment.

Be able:

1. Conduct a survey of the patient and on its basis to make a record in the medical history.
2. Conduct an examination of an outpatient surgical dental patient and make a record in the medical history.
3. Examine the peripheral lymph nodes of the maxillofacial area, neck and salivary glands.
4. Establish a preliminary diagnosis based on a survey of the patient and his examination (a patient with periodontitis, periostitis, osteomyelitis of the jaws and phlegmon of the maxillofacial area).
5. Know the scheme and be able to report the patient to the teacher; substantiate the diagnosis and make a treatment plan.
6. Prepare a set of tools for the examination of a surgical dental patient.
7. Prepare a set of tools for removing incisors on the upper jaw.
8. Prepare a set of tools to remove clicks on the upper jaw.
9. Prepare a set of tools for removing premolars on the upper jaw.
10. Prepare a set of tools to remove molars on the upper jaw.
11. Prepare a set of tools to remove the 8th tooth on the upper jaw.
12. Prepare a set of tools for removing incisors on the lower jaw.
13. Prepare a set of tools to remove clicks on the lower jaw.
14. Prepare a set of tools to remove premolars on the lower jaw.
15. Prepare a set of tools to remove the 8th tooth on the lower jaw.
16. Prepare a set of tools to remove a dystopian 8th tooth on the lower jaw.
18. Prepare a set of tools needed for dissection and drainage of the abscess of the maxillofacial groove
19. Prepare a set of tools necessary for dissection and drainage of phlegmon of the parotid-masticatory area, wing-jaw space, temporal area.
20. Prepare a set of tools for removing molars on the lower jaw.
21. Prepare a set of tools for the operation of resection of the apex of the tooth root.

22. Prepare a set of tools needed for sequestration.

23. Prepare a set of tools needed for dissection and drainage of phlegmon of the submandibular space.

24. Prepare a set of tools needed for dissection and drainage of phlegmon of the subtemporal area, pterygopalatine fossa (from different accesses).

25. Prepare a set of tools needed for dissection and drainage of abscesses of the cheek hole.

26. Prepare a set of tools needed for dissection and drainage of orbital phlegmon.

27. Prepare a set of tools needed for dissection and drainage of abscesses of the maxillofacial area in boils.

28. Prepare a set of tools needed for dissection and drainage of abscesses of the maxillofacial area with carbuncles.

1.3.1. The study of the discipline provides students with the acquisition of competencies:

integral: ability to abstract thinking, analysis and synthesis, ability to learn and be modernly trained, ability to adapt and act in a new situation, ability to identify, pose and solve problems, skills of using information and communication technologies, ability to communicate in a second language.

general: ability to apply knowledge in practical situations, skills of interpersonal interaction, ability to work in a team, ability to choose communication strategy, ability to evaluate and ensure the quality of work performed, skills of safe activity, desire to preserve the environment, ability to act socially responsible and civic conscious, the ability to act on the basis of ethical considerations (motives).

special (professional, subject): knowledge and understanding of the subject area and understanding of the profession, collecting medical information about the patient's condition, planning and conducting measures for the prevention of dental diseases, evaluating the results of laboratory and instrumental studies, determining the nature and principles of treatment of dental diseases. and rest, diet in the treatment of dental diseases, determining the tactics of the dental patient with somatic pathology, determining the tactics and provision of emergency medical

care, assessing the impact of the environment on the health of the population (individual, family, population), organization and conduct of dental examination of persons subject to dispensary supervision, performance of medical and dental manipulations, processing of state, social and medical information, establishment of clinical diagnosis of dental disease, organization of medical evacuation measures, diagnosis , treatment of major dental diseases.

1.3.2. The study of the discipline provides students with the acquisition of the following **program learning outcomes (PLO)**:

PLO 1. Identify and identify leading clinical symptoms and syndromes; 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.

PLO 2. Collect information about the general condition of the patient, assess the psychomotor and physical development of the patient, the condition of the maxillofacial area, based on the results of laboratory and instrumental studies to assess information about the diagnosis.

PLO 3. Prescribe and analyze additional (mandatory and optional) examination methods (laboratory, radiological, functional and / or instrumental), patients with diseases of organs and tissues of the oral cavity and maxillofacial region for differential diagnosis of diseases.

PLO 4. Determine the final clinical diagnosis in accordance with the relevant ethical and legal norms, by making an informed decision and logical analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis under the supervision of a doctor in a medical institution.

PLO 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.

PLO 6. Plan and implement measures for the prevention of dental diseases among the population to prevent the spread of dental diseases.

PLO 7. Analyze the epidemiological situation and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases.

PLO 8. To determine the approach, plan, type and principle of treatment of dental disease by making an informed decision according to existing algorithms and standard schemes.

PLO 9. To determine the nature of work, rest and the necessary diet in the treatment of dental diseases on the basis of preliminary or final clinical diagnosis by making an informed decision according to existing algorithms and standard schemes.

PLO 10. To determine the tactics of managing a dental patient with somatic pathology by making an informed decision according to existing algorithms and standard schemes.

PLO 15. Assess the impact of the environment on the health of the population in a medical institution by standard methods.

PLO 17. Adhere to a healthy lifestyle, use the techniques of self-regulation and self-control.

PLO 18. To be aware of and guided in its activities by civil rights, freedoms and responsibilities, to raise the general cultural level.

PLO 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

PLO 21. Perform medical manipulations on the basis of preliminary and / or final clinical diagnosis for different segments of the population and in different conditions.

PLO 22. Perform medical dental manipulations on the basis of preliminary and / or final clinical diagnosis for different segments of the population and in different conditions.

PLO 23. Manipulate the provision of emergency medical care, using standard schemes, under any circumstances on the basis of a diagnosis of emergency in a limited time.

1.3.3. The study of the discipline provides students with the following social skills (**Soft skills**):

ability to persuade, approach people, ability to be a leader, interpersonal communication, negotiation, teamwork, personal development, time management, erudition, creativity, etc.

2. INFORMATION VOLUME OF THE COURSE

Name of indicators	Field of knowledge, specialty, educational and qualification level	Characteristics of the discipline	
		full-time form of study	evening form of study
Number of credits– 5,5	Branch of knowledge, 22 "Health care"	Normative	
Total number of hours - 165	Specialty: 221 "Dentistry"	Year of preparation:	
		3rd	
		Semester	
		5th	6th
Hours for day (or evening) form of study: classrooms - 120 independent work -45	Educational qualification level: The second (master's)	Lectures	
		10 hours.	10 hours.
		Practical, seminar	
		52 hours.	48 hours.
		Laboratory	
		hours.	hours.
		Individual work	
		25 hours.	20 hours.
Individual tasks:			
Type of control: credit			

2.1 Description of the discipline

2.2.1 Lectures

№	Title of the topic	Number of hours	Types of lectures
Section 1 "Propaedeutics of surgical dentistry"			
1.	Subject and tasks of surgical dentistry. History of development, the contribution of domestic scientists to the development of individual problems of the discipline. Organization of surgical dental care in Ukraine. General anesthesia in surgical dentistry in the conditions of polyclinics and hospital. Types, methods and features of general anesthesia: complications, their prevention and treatment. Features of issues of prevention of coronavirus infection.	2	On-line

2.	<p>Premedication. Characteristics of drugs used for premedication, their dose, concentration. Schemes of premedication in the conditions of policlinics and hospital. Local anesthesia in surgical dentistry. Anesthetic drugs, their properties. Types and methods of anesthesia. The choice of method for the removal of individual teeth. Complications of local anesthesia, their prevention and treatment.</p>	2	On-line
3.	<p>Tooth extraction operation: indications and contraindications, method of operation, features of removal of separate groups of teeth. Hole healing after surgery. Complications during tooth extraction surgery, their diagnosis, prevention and treatment. Atypical tooth extraction.</p>	2	On-line
4.	<p>Surgical treatment of chronic periodontitis. Diseases of teething, pericoronitis. Surgical interventions on alveolar processes. Classification of inflammatory processes of MFA. Etiology and pathogenesis. Ways of spreading the infectious process. Acute periodontitis, periostitis, their prevention and treatment.</p>	2	On-line

5.	Acute osteomyelitis of the jaws: classification, etiology and pathogenesis, modern views on the theory of pathogenesis. Pathological changes in tissues. Features of the process depending on the jaw. Clinic, diagnosis, prevention and treatment. Chronic odontogenic osteomyelitis of the jaws: classification, pathological changes at different stages of the process. Clinic, diagnosis, treatment. Possible complications, their causes, diagnosis, prevention and treatment.	2	On-line
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Total 10 hours

Section 2 "Inflammatory diseases of the MFA"

№	Topic	Number of hours	Types of lectures
1.	General characteristics of abscesses and phlegmon of the thyroid gland. Classification, etiology, pathogenesis, pathoanatomical changes, basic principles of treatment. Physiotherapy. Abscesses and phlegmons of the face. Phlegmons of the orbit. Classification, topographic anatomy of cellular spaces, pathogenesis, clinic, diagnosis, prophylaxis, treatment.	2	On-line
2.	Maxillary phlegmons. Classification, topographic anatomy, pathogenesis, clinical manifestations, differential diagnosis, prophylaxis, treatment. Peripharyngeal phlegmons and phlegmons of the white-pharyngeal space. Classification, topographic anatomy, pathogenesis, clinical manifestations, differential diagnosis, prophylaxis, treatment.	2	On-line

3.	Phlegmons and abscesses of the tongue, bottom of the mouth and neck. Topographic anatomy of the cellular spaces of the oral cavity, pathogenesis, clinic, differential diagnosis, prevention and treatment of phlegmon. Lymphadenitis and adenophlegmon of the thyroid gland. Classification, etiology and pathogenesis, symptomatology, diagnosis, methods of treatment and prevention. Complications of inflammatory diseases of the thyroid gland (mediastinitis, sepsis, thrombosis of the facial vessels and cavernous sinus, sinusitis, etc.), their prevention and treatment. The concept of intensive care.	2	On-line
4.	Specific inflammatory diseases of the thyroid gland. Tuberculosis, syphilis, AIDS, actinomycosis. Etiology, pathogenesis, clinical manifestations, diagnosis, modern methods of treatment, disease prevention. Neodontogenic and nonspecific inflammatory diseases of the thyroid gland (boil, carbuncle, noma, anthrax, etc.). Etiology, pathogenesis, clinic, diff. diagnosis, treatment.	2	On-line
5.	Inflammatory and dystrophic diseases of the salivary glands of non-calculous origin. Modern methods of research of salivary glands. Classification of acute and chronic sialoadenitis, etiology, pathological changes, clinical manifestations, diagnosis, treatment and prevention. Salivary stone disease (SSD): classification, etiology and pathogenesis, clinical manifestations, diagnosis, treatment.	2	On-line
Total 20 hours			

2.2.3 Practical classes

№	Classes topic	Number of hours	Methods Learning	Forms control
Section 1 "Propaedeutics of surgical dentistry"				
1.	<p>Organization of a surgical office (dental department and hospital ward). Medical documentation of the surgical department of the dentist in polyclinics. Features of asepsis and antiseptics in surgical dentistry. Groups of antiseptics, their characteristics. Antiseptic drugs that are most often used in surgical dentistry, their doses, concentrations, prescriptions.</p>	5	<p>story-explanation, conversation, demonstration, presentation, videos</p>	<p>oral examination (individual and frontal); written survey; test control</p>

2.	<p>Indications and contraindications and features of general anesthesia for operations on the face and mouth. Premedication. Characteristics of drugs used for premedication. Schemes of premedication in the conditions of a hospital and a hospital. Local anesthesia. Anesthetic drugs, their physical, chemical and pharmacodynamic properties, doses, concentrations, prescriptions. Potential local anesthesia. Types of local anesthesia, their characteristics.</p>	5	<p>story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient</p>	<p>oral examination (individual and frontal); written survey; test control</p>
3.	<p>Surgical anatomy of the II branch of the trigeminal nerve. Methods of anesthesia for surgery on the upper jaw.</p>	5	<p>story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient</p>	<p>oral examination (individual and frontal); written survey; test control</p>
4.	<p>Technique of anesthesia on the upper jaw. The choice</p>	5	<p>story-explanation, conversation,</p>	<p>oral examination</p>

	of method when removing individual groups of teeth on the upper jaw. Demonstration of methods of anesthesia for patients.		demonstration, presentation, videos, discussion, standardized patient	(individual and frontal); written survey; test control
5.	Surgical anatomy of the III branch of the trigeminal nerve. Methods of anesthesia for surgery on the lower jaw.	5	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
6.	Technique of anesthesia on the lower jaw. The choice of method of anesthesia for the removal of certain groups of teeth on the lower jaw. Demonstration of patients with methods of anesthesia on the lower jaw. Local and general complications of local anesthesia. Clinic, diagnosis, treatment.	5	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient, use of high-level mannequins	oral examination (individual and frontal); written survey; test control
7.	Tooth extraction operation: indications, contraindications. Tools for removing teeth on the upper and lower jaws. Technique of operations for removal of teeth of the lower and upper	5	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient, use of	oral examination (individual and frontal); written survey; test control

	<p>jaw. Features of removal of separate groups of teeth on the upper and lower jaws. Wound healing after tooth extraction (clinical and experimental studies AE Verlotsky). Demonstration of tooth extraction surgery on patients. Examination of a surgical dental patient. General and local complications during and after tooth extraction surgery.</p>		<p>high-level mannequins</p>	
8.	<p>Acute periodontitis. Etiology, pathogenesis, classification, clinic, diagnosis, treatment (surgical). Chronic periodontitis. Clinic, diagnosis, surgical methods of treatment. Resection of the apex of the root. Hemisection of the tooth.</p>	5	<p>story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient</p>	<p>oral examination (individual and frontal); written survey; test control</p>
9.	<p>Tooth transplantation: replantation, transplantation, implantation. The role of individual scientists in the development of modern</p>	5	<p>story-explanation, conversation, demonstration, presentation, videos, discussion, standardized</p>	<p>oral examination (individual and frontal); written survey; test control</p>

	operational methods. Diseases of teething. Dystopia, retention. Etiology, pathogenesis, clinic, diagnosis, treatment. Pericoronitis, etiology, Pat. anatomy, clinic, diagnosis, treatment.		patient	
10.	Acute odontogenic periostitis of the jaws. Classification, pathogenesis, clinic, diagnosis, treatment.	5	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
11.	Acute osteomyelitis of the jaws: classification, theories of pathogenesis, Pat. anatomical changes in tissues, clinic, diagnosis and prevention of the disease. Chronic odontogenic osteomyelitis of the jaws: causes, Pat. anatomy, stages of process development, clinic, diagnosis, treatment and prevention of the disease.	5	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
12.	Computer control.	2		Computer test

				control.
13.	Final lesson.	5		oral examination (individual)
Total hours of practical classes 52				
Section 2 "Inflammatory diseases of the MFA"				
1.	Abscesses and phlegmons of the maxillofacial area. Classification, etiology, pathogenesis, pathological anatomy. General and local clinical signs, diagnostic methods, principles of complex treatment. Abscesses and phlegmons of the face (cheeks, cheekbones and temples). Phlegmons of the orbit. Topographic anatomy of cellular spaces, ways of infection spread, clinic, diagnosis, treatment.	4	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
2.	Abscesses and phlegmons of the cellular spaces adjacent to the upper jaw. Abscess of the iliac fossa, phlegmon of the infraorbital area, subtemporal and pterygopalatine fossae. Topography of cellular spaces, pathogenesis, clinic,	4	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control

	diagnosis, treatment.			
3.	Phlegmons and abscesses of the cellular spaces adjacent to the mandible: submaseteric, pterygoid-maxillary, mandibular spaces, maxillary space, subchin area, abscess of the maxillo-lingual groove. Topography of cellular spaces, pathogenesis, clinic, diagnosis, treatment of phlegmon.	4	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
4.	Phlegmons of the white pharyngeal space. Topographic anatomy, pathogenesis, clinic, diff. diagnosis, treatment.	4	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control

5.	Abscesses and phlegmons of the tongue, bottom of the mouth and neck. Topography of cellular spaces, pathogenesis, clinic, diagnosis, treatment of phlegmon. Rotten-necrotic phlegmon of Ludwig. Topography of the bottom of the oral cavity, the contribution of scientists of the department to the study of the topography of the cellular spaces of the bottom of the oral cavity, pathogenesis, clinic, diagnosis, treatment.	4	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
6.	Odontogenic lymphadenitis and adenophlegmon of the maxillofacial area. Classification, pathogenesis, Pat. anatomy.	4	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
7.	Odontogenic sinusitis. Classification, pathogenesis, etiology, clinic, diagnosis, treatment. Perforations and fistulas of the maxillary sinus. Clinic,	7	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized	oral examination (individual and frontal); written survey; test control

	diagnosis, treatment, prevention.		patient	
8.	Specific inflammatory diseases. Syphilitic and tuberculous lesions of the soft tissues of the face, mouth, jaws. Etiology, pathogenesis, clinic, diff. diagnostics. Actinomycosis of the face and neck. Classification, Pat. anatomy, diagnosis, clinic, treatment.	4	story-explanation, conversation, demonstration, presentation, videos, discussion	oral examination (individual and frontal); written survey; test control
9.	Nonodontogenic and nonspecific inflammatory processes. Boils and carbuncles of the face, erysipelas, anthrax, Wegener's disease. Surgical anatomy of salivary glands. Modern research methods in diseases of the salivary glands.	3	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
10.	Inflammatory and dystrophic diseases of the salivary glands of non-calculous genesis. Classification, Pat. anatomy, clinic, diagnosis, treatment.	3	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control

11.	Calculus sialodenites and sialodochites (SSD). Classification, theories of pathogenesis, etiology, clinic, diagnosis. Methods of treatment of SSD. The role of employees of the department in the development of treatment methods.	3	story-explanation, conversation, demonstration, presentation, videos, discussion, standardized patient	oral examination (individual and frontal); written survey; test control
12.	Complications of inflammatory diseases of the maxillofacial area: sepsis, mediastinitis, thrombophlebitis of the facial veins and sinuses of the dura mater, sinusitis and others. Clinic, diagnosis, complex treatment.	3	story-explanation, conversation, demonstration, presentation, videos, discussion	oral examination (individual and frontal); written survey; test control
13.	Computer control.	2		Computer test control.
14.	Final lesson.	2		oral examination (individual)
Total hours of practical classes 78				

2.2.5. Individual work

№	Topic title	Number of hours	Methods Learning	Forms control
Section 1 "Propaedeutics of surgical dentistry"				
1.	Organization of the office of surgical dentistry in modern conditions.	5		test control
2.	Modern methods of treatment of surgeon's hands in the clinic and hospital.	5		test control
3.	General complications of local anesthesia. Allergic and toxic reactions during local anesthesia.	5		test control
4.	Pharmacological principles of treatment of inflammatory processes of MFA.	5		test control
5.	Pathophysiological features of the clinical course of inflammatory processes of the thyroid gland.	5		test control
Section 2 "Inflammatory diseases of the MFA"				
1.	X-ray diagnosis of dental diseases. Physiotherapeutic methods of treatment of dental diseases. Deontology in dentistry	4		test control
2.	Manifestations of MFA lymphadenitis in specific	4		test control

	diseases: tuberculosis, actinomycosis, syphilis, AIDS.			
3.	General, local anesthesia of MFA: features of carrying out, complications and methods of their elimination.	4		test control
4.	Emergencies, principles of care.	4		test control
5.	Topographic anatomy of MFA. Basic principles of autopsies in MFA.	4		test control
Total hours of individual work 45				

3. EVALUATION CRITERIA

3.1. Evaluation of the success of education of students is carried out on the basis of the current "Instructions for evaluating the educational activities of students of KNMU"

The minimum number of points that an applicant must score is 70 points, the maximum is -120 points.

Table 1

Recalculation of the average score for current activities in a multi-point scale

4-point scale	120- point scale	4- point scale	120- point scale
5	120	3.91-3,94	94
4.95-4,99	119	3.87-3,9	93
4.91-4,94	118	3.83- 3,86	92
4.87-4,9	117	3.79- 3,82	91
4.83-4,86	116	3.74-3,78	90

4-point scale	120- point scale	4- point scale	120- point scale
4.79-4,82	115	3.7- 3,73	89
4.75-4,78	114	3.66- 3,69	88
4.7-4,74	113	3.62- 3,65	87
4.66-4,69	112	3.58-3,61	86
4.62-4,65	111	3.54- 3,57	85
4.58-4,61	110	3.49- 3,53	84
4.54-4,57	109	3.45-3,48	83
4.5-4,53	108	3.41-3,44	82
4.45-4,49	107	3.37-3,4	81
4.41-4,44	106	3.33- 3,36	80
4.37-4,4	105	3.29-3,32	79
4.33-4,36	104	3.25-3,28	78
4.29-4,32	103	3.21-3,24	77
4.25- 4,28	102	3.18-3,2	76
4.2- 4,24	101	3.15- 3,17	75
4.16- 4,19	100	3.13- 3,14	74
4.12- 4,15	99	3.1- 3,12	73
4.08- 4,11	98	3.07- 3,09	72
4.04- 4,07	97	3.04-3,06	71
3.99-4,03	96	3.0-3,03	70
3.95- 3,98	95	Less than 3	Not enough

3.2. Questions for credit and exam:

Section 1 "Propaedeutics of surgical dentistry".

1. Organization of surgical dental care for the population of Ukraine in outpatient and inpatient settings.
2. Stages of development of surgical dentistry in Ukraine. The contribution of domestic scientists.
3. Asepsis and antiseptics during operations on the maxillofacial area in the clinic and hospital.
4. Aseptic and antiseptic aspects of AIDS and viral hepatitis prevention in outpatient and inpatient practice of a dental surgeon.
5. Methods of preparing the hands of a dental surgeon for surgery in an outpatient setting and inpatient.
6. Immunobiological features of maxillofacial tissues. The role of local immunity in the course of odontogenic infection.
7. Examination of the patient in the surgical department of the dental clinic and hospital. Medical documentation.

8. Pain, its components, leading ways. Role for the body. The body's response to pain, surgical trauma.
9. Medicinal substances for local anesthesia, their chemical composition, mechanism of action. Prescriptions.
10. Methods of manufacturing, storage and quality assessment of solutions for local anesthesia. Tests for IS Lukomsky's novocaine and with chloramine "B".
11. Prolongation of local anesthetics. Vasoconstrictors. Dosage. Prescriptions. Adrenaline intoxication.
12. Types of local anesthesia in the maxillofacial area. Methods of execution.
13. Potentiated local anesthesia: principles of premedication, main ingredients of medicinal substances that are part of premedication schemes, disadvantages and advantages.
14. Drug preparation (premedication) of the patient for surgery on the maxillofacial area in the clinic and hospital. Possible complications of potentiated analgesia.
15. General complications of local anesthesia. Anaphylactic shock. Resuscitation measures.
16. Local complications with local anesthesia in the maxillofacial area. Prevention, diagnosis, treatment.
17. Types and features of general anesthesia during operations on the maxillofacial area in the clinic and hospital. Indications and contraindications.
18. Pharmacological drugs for anesthesia, the mechanism of their action. Neuroleptanalgesia. Indications and contraindications in surgical dentistry.
19. General and local complications of anesthesia. Prevention. Resuscitation measures.
20. Indications and contraindications to the use of various types of local and general anesthesia in operations on the maxillofacial area in the clinic and hospital.
21. Central anesthesia with the exception of the II branch of the trigeminal nerve. Zones of innervation, indications, technique of execution. Prevention of complications.

22. Central anesthesia with the exception of the III branch of the trigeminal nerve. Zones of innervation of indications, technique of execution. Prevention of complications.
23. Anesthesia according to Bershe-Dubov-Uvarov. Indications and methods.
24. Vishnevsky anesthesia in the temporal fossa. Indication. Methods of conducting.
25. Torus anesthesia according to Weisbrem. Areas of action. Indication. Method of execution. Prevention of complications.
26. Extraoral method of mandibular anesthesia. Areas of action. Indication. Method of execution. Prevention of complications.
27. Apodactyl method of intraoral mandibular anesthesia. Areas of action. Indication. Method of execution. Prevention of complications.
28. Finger method of intraoral mandibular anesthesia. Areas of action. Indication. Method of execution. Prevention of complications.
29. Anesthesia of the buccal nerve. See. Areas of action. Method of execution. Indication.
30. Mental anesthesia. Areas of action, indications, methods.
31. Infraorbital anesthesia. Areas of action. Indication. Method of execution. Complications, its prevention and treatment are possible.
32. Tuberal anesthesia. Areas of action. Indication. Method of execution. Complications, its prevention and treatment are possible.
33. Anesthesia around the incisor. Areas of action. Indication. Method of execution. Possible complications, prevention and treatment.
34. Plexual anesthesia. Areas of action. Indication. Method of execution. Prevention of complications.
35. Methods of anesthesia for the removal of lower molars.
36. Anesthesia during sequestrectomy in the mental part of the mandible.
37. Anesthesia when removing the upper incisors. Prescribe a 2% solution of novocaine.
38. Anesthesia when removing the upper premolars.

39. Anesthesia at autopsy of superficial phlegmon MFA
40. Anesthesia at autopsy of deep phlegmon of the thyroid gland and neck.
41. General complications during and after analgesia. Prevention, help.
42. Preparation of the dental patient for urgent surgical intervention in the conditions of polyclinic and hospital.
43. Preparation of a dental patient for planned surgery in a clinic and hospital.
44. Local complications during and after anesthetic injection. Prevention, treatment.
45. Tactics of the doctor at mistaken introduction instead of anesthetic of a non-injectable solution.
46. Grounding, collapse, shock. Clinical course, care for a dental patient in an outpatient setting.
47. Local complications during anesthesia in MFA: etiology, pathogenesis, clinical picture, care, prevention
48. Features of anesthesia for tooth extraction in patients with myocardial infarction, diabetes, cardiovascular disease.
49. Choice of anesthesia method in patients with allergic status.
50. Features of anesthesia in the elderly.
52. Modern analgesics (anesthetics), equipment: action, disadvantages and advantages.
53. Modern methods of anesthesia in dental operations, the principles of further development of methods of anesthesia.

Section 2 of the discipline "Inflammatory diseases of the MFA".

1. Preparation of the patient and oral cavity for tooth extraction surgery.
2. Tooth extraction operation. Stages. Features of removal of separate groups of teeth and roots on the upper and lower jaws.
3. Complications when removing teeth on the lower and upper jaws. Diagnosis, treatment.
4. Tools for typical and atypical tooth removal, its purpose, action.

5. Tools for removing teeth and roots on the upper jaw. Structure and rules of use.
6. Tools for removing teeth and roots on the lower jaw. Structure and rules of use.
7. Atypical tooth extraction. Method. Postoperative wound care.
8. Types and duration of post-extraction wound healing.
9. Atypical removal of retention and dystopian teeth. Indication. Method of performing the operation. Alveolectomy. Complications and their treatment.
10. Bleeding after tooth extraction: its causes, methods of stopping, prevention.
11. Alveolitis: etiology, treatment. Wound care in the postoperative period.
12. Pit pain: etiology, clinic, treatment.
13. Tactics of the doctor at perforation of a bottom of a maxillary sinus during tooth extraction.
14. Tactics of the doctor when pushing a tooth into the maxillary sinus.
15. Specifics of preparation of a patient with blood disease for tooth extraction.
16. Tactics of the doctor when pushing the tooth into the tissues of the bottom of the mouth.
17. Fracture of the tooth: method of removal, the necessary tools.
18. Tooth extraction from a cancerous tumor: a patient with hypertension, stroke, myocardial infarction.
19. Removal of a tooth from a cancerous tumor: in a patient with leukemia.
20. Chronic odontogenic inflammatory foci in patients with somatic local and systemic pathology. Dentist tactics.
21. Chronic odontogenic inflammatory foci in patients before and after operations on the abdominal cavity, chest. Dentist tactics.
22. Causes of fracture of the jaws during tooth extraction. Doctor's tactics.
23. Prevention of tooth aspiration, fracture and dislocation of the mandible during tooth extraction.
24. Diseases of teething. Dystopia and retention. Clinic, diagnosis. Indications and methods of tooth extraction.

25. Pericoronitis. Causes, classification, clinic, diagnosis, methods of conservative and surgical treatment.
26. Etiology, pathogenesis and classification of inflammatory processes in the maxillofacial area.
27. Acute periodontitis. Classification, clinic, diagnosis and treatment.
28. Chronic periodontitis. Classification. Clinic, diagnosis.
29. Chronic granulomatous periodontitis, clinic and diagnosis. Types of granulomas, theories of the origin of the epithelium in granulomas.
30. Surgical methods of treatment of chronic periodontitis. Resection of the apex of the root. Indications, methods of implementation, possible complications, their prevention.
31. Surgical methods of treatment of chronic periodontitis. Hemisection, amputation, replantation. Indication. Method of execution. Possible complications and their prevention.
32. Tooth replantation: one-time and delayed, indications and contraindications, methods of operation, complications. Types of connection of the tooth root with the fossa.
33. Causes of exacerbations of chronic periodontitis, pathogenesis. Treatment, prevention of complications.
34. Periostitis of the jaws: classification, etiology, pathogenesis, clinic, differential diagnosis.
35. Treatment of acute purulent odontogenic periostitis of the jaws.
36. Osteomyelitis of the jaws. Etiology, theories of pathogenesis, classification.
37. Odontogenic osteomyelitis of the jaws. Acute stage. Clinic, diagnosis, treatment.
38. Odontogenic osteomyelitis of the jaws. Chronic stage. Clinic, diagnosis. Conservative treatment. Sequestrectomy operation. Indications, deadlines and its methodology. Prevention of complications.
39. Features of the clinical course of odontogenic osteomyelitis - lower and upper jaws. Dependence on anatomical and topographic features. Complications of osteomyelitis.

40. Differential diagnosis of acute periodontitis, periostitis and osteomyelitis of the jaws.

3.6. Rules for appealing the assessment

The appeal of the assessment received by the applicant is carried out in accordance with the "Regulations on the appeal of the results of the final control of applicants for education of KNMU", approved by the Order of KNMU from 30.09.2020 №252.

4. DISCIPLINE POLICY

In order to successfully complete the relevant course, it is necessary to regularly attend practical classes; to have theoretical preparation for practical classes according to the subject; not to be late and not to miss classes; perform all necessary tasks and work in each lesson; be able to work with a partner or in a group; contact the curators of the course on various issues on the subject of classes and receive it when you need it.

Students can discuss different tasks, but their performance is strictly individual. You are not allowed to write off, use any kind of software, tips, use a mobile phone, tablet or other electronic gadgets during classes for purposes other than the learning process. Students are not late for practical classes.

Visiting patients during hospital treatment is possible provided that students have appropriate clothing, a health book with a diphtheria vaccination mark, the results of a measles immunity test (or a vaccination mark), or other infectious diseases according to the current epidemic situation.

Students with special needs can meet with the teacher or warn him before the start of classes, at the request of the student it can be done by the head of the group. If you have any questions, please contact the teacher.

Students' participation in research and conferences on this topic is encouraged.

All students of KNMU are protected by the Regulations on Prevention, Prevention and Settlement of Cases Related to Sexual Harassment and Discrimination at Kharkiv National Medical University, designed to define an effective mechanism for resolving conflict situations related to discrimination and sexual harassment. This Regulation is developed on the basis of the following normative legal acts of

Ukraine: the Constitution of Ukraine; Law of Ukraine "On Education"; Law of Ukraine "On Higher Education"; Law of Ukraine "On Principles of Preventing and Combating Discrimination in Ukraine"; Law of Ukraine "On Ensuring Equal Rights and Opportunities for Women and Men"; Convention for the Protection of Human Rights and Fundamental Freedoms; Convention for the Suppression of Discrimination in Education; Convention on the Elimination of All Forms of Discrimination against Women; General Recommendation № 25 to Article 4, paragraph 1, of the Convention on the Elimination of All Forms of Discrimination against Women, General Comment № 16 (2005) "Equal rights for men and women to enjoy economic, social and cultural rights" (Article 3 of the International Covenant on Economic, Social and Cultural Rights; UN Committee on Economic, Social and Cultural Rights); education in the spirit of respect for human rights and fundamental freedoms (UNESCO); The concept of the State social program to ensure equal rights and opportunities for women and men for the period up to 2021.

Kharkiv National Medical University provides education and work that is free from discrimination, sexual harassment, intimidation or exploitation. The University recognizes the importance of confidentiality. All persons responsible for the implementation of this policy (staff of deans' offices, faculties, institutes and the Center for Gender Education, members of the student government and ethics committee, vice-rector for research and teaching) are confidential about those who report or accuse of discrimination. or sexual harassment (except where the law requires disclosure and / or when disclosure by the University is necessary to protect the safety of others).

KNMU creates a space of equal opportunities free from discrimination of any national, racial or ethnic origin, sex, age, disability, religion, sexual orientation, gender, or marital status. All rights, privileges, programs and activities granted to students or staff of the University apply to all without exception, provided they are properly qualified. The anti-discrimination policy and the policy of counteracting sexual harassment of KNMU are confirmed by the Code of Corporate Ethics and the Charter of KNMU.

5. ACADEMIC INTEGRITY

The Department of Surgical Dentistry, Oral and Maxillofacial Surgery maintains zero tolerance for plagiarism. Students are expected to constantly raise their

awareness of academic writing. The first classes will provide information on what to consider plagiarism and how to properly conduct research and scientific research.

6. Recommended references.

Basic

1. Timofeev AA Maxillofacial surgery / Timofeev AA - All-Ukrainian specialized publishing house "Medicine", 2017. - 792 p.
2. Afanasyev VV Surgical dentistry /V.V. Afanasyev. - Publisher: GEOTAR-Media, 2015. - 792 p.
3. Kharkov LV, Yakovenko LM, Chekhova IL Surgical dentistry and maxillofacial surgery / Kharkov LV - All-Ukrainian specialized publishing house "Medicine", 2015. - 496 p.
4. Bernadsky YY Fundamentals of maxillofacial surgery and surgical dentistry / YY Bernadsky.- K .: Flash, 2003.- 512 p.
5. Gnatyshak A.I. General clinical oncology / AI. Gnatyshak. - Lviv, 1988. - 233 p.
6. Horishny BM, Rybalov OV, Sayapina LM Maxillofacial surgery of extreme situations / BM Gorishny, OV Rybalov, LM Sayapin. - Poltava, 2000. - 221 p.
7. Fundamentals of dentistry / Ed. VO Malanchuk. - K .: Medicine, 2009. - 591 c.
8. Guide to surgical dentistry and maxillofacial surgery: In 2 topics. / Ed. VM Bezrukova, TG Robustova. - Ed. 2nd, reworked. and ext. - M .: Medicine, 2000. - 776p.
9. Timofeev AA Maxillofacial surgery and surgical dentistry / Timofeev AA - All-Ukrainian specialized publishing house "Medicine", 2020. - 992 p.
9. Contemporary Oral and Maxillofacial Surgery. Hupp, Ellis, and Tucker, 5th Edition, 2008. Mosby.
10. Oral Surgery. Author: Fragiskos D Fragiskos. Publisher: Berlin, Heidelberg: Springer-Verlag Berlin Heidelberg, 2007.

Auxiliary

1. Voronenko YV, Pavlenko OV, Mazur IP, Borisenko AV etc .. Dental care in Ukraine: key performance indicators for 2008-2018: handbook - Kropyvnytskyi: Polyum, 2019. - 176 p.

2. Proceedings of the scientific-practical conference "Modern dentistry and maxillofacial surgery" to the 100th anniversary of the dental faculty of NMU named after OO Bogomolets (May 15, 2020) - Collection of scientific papers - Edited by prof. V.O. Malanchuk - 2019 - 272p.
 3. Methodical recommendations (for students) in surgical dentistry for the training of specialists of the second (master's) level of higher education in the field of knowledge 22 "Health" specialty 221 "Dentistry" faculty, course: dental, IV Content module "Traumatology MFA" - Lviv , 2019, 72 p.
 4. Medical histories of surgical dentistry / V.O. Malanchuk, OS Volovar, O.JI. Tsilenko, DV Topchiy, textbook. - Kyiv, 2015. –150 p.
- Horishny BM, Rybalov OV, Sayapina LM Maxillofacial surgery of extreme situations / BM Gorishny, OV Rybalov, JI.M. Sayapin. - Poltava, 2000. - 221 p.
5. Surgical dentistry in diagrams and tables: Textbook. allowance for students and interns / GP Ruzin, A.A. Dmitrieva - Kharkov: KhSMU, 2001. - 108 p.

7. INFORMATION RESOURCES

1. Link to the discipline page in MOODLE -
<http://distance.knmu.edu.ua/course/index.php?categoryid=58>

8. OTHER

Useful links:

1. Regulations on prevention, prevention and settlement of cases related to sexual harassment and discrimination in KNMU
http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog-sex.doc

2. Regulations on academic integrity and ethics of academic relations at Kharkiv National Medical University

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_ad_etyka_text.pdf

3. The procedure for conducting classes on in-depth study by students of Kharkiv National Medical University of certain disciplines in excess of the curriculum

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/nak-poriad-pogl-vyv-dysc.docx

4. Regulations on the Commission on Academic Integrity, Ethics and Conflict Management of KNMU

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_komis_ad_text.pdf

5. Regulations on recognition of results of non-formal education in Kharkiv National Medical University

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_neform_osv.pdf

6. INCLUSIVE EDUCATION:

http://www.knmu.kharkov.ua/index.php?option=com_content&view=article&id=7108%3A2021-03-10-14-08-02&catid=12%3A2011-05-10-07-16-32&Itemid=33&lang=uk

7. ACADEMIC INTEGRITY:

http://www.knmu.kharkov.ua/index.php?option=com_content&view=article&id=2520%3A2015-04-30-08-10-46&catid=20%3A2011-05-17-09-30-17&Itemid=40&lang=uk

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/kodex_AD.docx