

MINISTRY OF HEALTH UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY

Department of surgical dentistry and maxillo-facial surgery

Academic year 2016-2017

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 fourth course

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

Protocol from
"29" August 2016 № 7

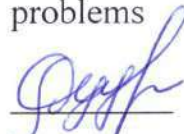
Head of department

 professor Grigorov S.M.

Approved by the methodical commission of KhNMU on dental problems

Protocol from
"29" August 2016 № 7

Head of the methodical commission of KhNMU on dental problems

 professor Ruzin G.P.

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4. Storozheva Maryna Viktorivna, доцент, associate professor, candidate of medical sciences.
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Face-to-face consultations:

<http://distance.knmu.edu.ua/course/index.php?categoryid=58>

Online consultations: Moodle, ZOOM system according to the schedule

<http://distance.knmu.edu.ua/course/index.php?categoryid=58>

Location: classes are held in conditions The Stomatological Centre of KhNMU, Department of head and neck surgery CNE KhRC «RCH», remotely - in ZOOM or MOODLE systems

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 (here in after - the Standard), the second (master's) level, field of knowledge 22 "Health" specialty 221 "Dentistry".

Discipline description (abstract) the course "Surgical Dentistry" covers the main practical and theoretical aspects of the future dentist, the clinical picture, diagnosis, treatment and prevention of surgical diseases of the maxillofacial area.

When teaching the discipline, it is important to master the knowledge and practical skills gained in the study of the main discipline, the formation and development of higher education students' professional ability to make independent decisions in the field of surgical dentistry.

During the study it is important to form academic training in basic and clinical biomedical sciences and preparation of graduates for the professional activity of a dentist in the relevant primary position by acquiring general and special competencies, the scope of which is described by certain lists of syndromes and symptoms, emergencies, physiological conditions and diseases that require special tactics of patient management; laboratory and instrumental research, medical manipulations, labor, forensic and military expertise.

Teaching is based on the principles of evidence-based medicine using current standards (guidelines) of world professional societies.

The course covers the main both practical and theoretical aspects of the future dentist.

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: provided by knowledge of basic clinical disciplines (therapeutic dentistry, orthopedic dentistry, surgical dentistry, pharmacology) and continuation of further study by students of higher education of clinical disciplines - therapeutic dentistry, orthopedic dentistry, surgical dentistry with "disciplines" and the formation of skills to apply knowledge in the process of further study and in professional activities.

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, propaedeutics of internal medicine, propaedeutics of surgical diseases, pharmacology and prescription, epidemiology and evidence-based medicine. and have practical skills in caring for patients with a 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 5 years of study, 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 page of the discipline in MOODLE

<http://distance.knmu.edu.ua/course/index.php?categoryid=58>

1. THE PURPOSE AND OBJECTIVES OF THE DISCIPLINE

1.1. The purpose of studying the discipline is to provide training for highly qualified specialists in the field of dentistry, namely in surgical dentistry, able to solve complex problems of diagnosis and treatment of patients.

1.2. The main objectives of the course are to acquire higher education competencies in accordance with the general and professional competencies of the educational-professional program "Medicine" of the second level of higher education in specialty 22 "Health" (discipline "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 OPP and Standard).

1.3.1. The study of the discipline provides the acquisition of higher education competencies by:

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, set and solve problems, skills of using information and communication technologies, ability to communicate in a second language.

from agal: with the date to apply knowledge in practical situations, skills of interpersonal interaction, ability to work in a team, ability to choose a communication strategy, ability to evaluate and ensure the quality of work performed, skills of carrying out safe activities, the desire to preserve the environment, the ability to act socially responsibly and civilly consciously, the ability to act on the basis of ethical considerations (motives).

special (professional, subject): knowledge and understanding of the subject area and understanding of professions, collection of medical information on the status of treatment, planning and implementation of measures to prevent dental problems, evaluation of laboratory and instrumental studies, determining the

nature and principles of dental tools, determining appropriate regimes work and rest, diet in the treatment of dental diseases, determining the tactics of treatment patient with somatic pathology, determination of tactics and provision of emergency medical care, assessment of environmental impact on the health of the population (individual, family, population), organization and conduct of dental dispensaryization of persons subject to medical supervision, implementation of medical and dental manipulations, processing of state, social and medical information, establishment of a clinical diagnosis of dental disease, organization of medical and evacuation measures, diagnosis of emergency conditions, treatment of major dental diseases.

1.3.2. The study of the discipline ensures the acquisition by higher education students of the following **program learning outcomes:**

POS 1. Highlight and identify leading clinical symptoms and syndromes; according to standard methods, using preliminary data of the patient's history, patient examination data, knowledge about the person, his organs and systems, establish a probable nosological or syndrome preliminary clinical diagnosis of a dental disease.

POS 2. To collect information about the general condition of the patient, to evaluate the psychomotor and physical development of the patient, the state of the organs of the maxillo-facial area, on the basis of the results of laboratory and instrumental studies to evaluate information on the diagnosis.

POS 3. Assign and analyze additional (mandatory and optional) examination methods (laboratory, X-ray, functional and /or instrumental), patients with diseases of the organs and tissues of the oral cavity and the maxonential region for differential diagnosis of diseases.

POS 4. Determine the final clinical diagnosis by observing the relevant ethical and legal norms, by making an informed decision and logical analysis of the received subjective and objective data of the clinical, additional examination,

differential diagnosis under the supervision of the head doctor in the conditions of the medical institution.

POS 5. To diagnose emergency conditions under any circumstances (at home, on the street, in a medical institution), in conditions of emergency, martial law, lack of information and limited time.

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

POS 7. Analyze the epidemiological condition and carry out mass and individual, general and local medical and non-drug prevention of dental diseases.

POS 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.

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

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

POS 15. To assess the impact of the environment on the health of the population in a medical institution according to standard methods.

POS 17. Follow a healthy lifestyle, use the techniques of self-regulation and self-control.

POS 18. To realize and be guided in their activities by civil rights, freedoms and responsibilities, to raise the general cultural level.

POS 20. To organize the necessary level of individual safety (own and persons of which cares) in case of typical dangerous situations in the individual field of activity.

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

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

POS 23. Perform manipulations of emergency medical care using standard schemes, under any circumstances on the basis of a diagnosis of an emergency in a limited time.

1.3.3. The study of the discipline provides the acquisition of higher education skills by the following **social skills (Soft skills):**

- communicativeness (implemented through: the method of group work and brainstorming during the analysis of clinical cases, the method of presenting the results of independent work and their defense in the group),
- teamwork (implemented through: group work method and brainstorming during the analysis of clinical cases),
- conflict management (implemented through: business games),
- time management (implemented through: the method of self-organization during classroom work in groups and independent work),
- leadership skills (implemented through: the method of presenting the results of independent work and their defense in the group).

Learning outcomes.

The course covers the main aspects of training a future dentist. According to the training program in the discipline "Dentistry", the applicant will acquire theoretical knowledge, methodological training, practical skills and abilities in the following areas:

application of the basic principles of asepsis, antiseptics, anesthesia, analyze the results of the examination surgical dentistry,
to determine the plan of treatment of diseases in the clinic of surgical dentistry,

identify the main syndromes and symptoms in the clinic of surgical dentistry,
 identify different clinical variants of the most common complications of diseases
 in the clinic of surgical dentistry,
 diagnose emergencies in the clinic of surgical dentistry,
 demonstrate mastery of moral and deontological principles of a medical
 specialist.

2. INFORMATION SCOPE OF THE COURSE

120 hours and 4 ECTS credits are allocated for the study of the academic
 discipline.

Name of indicators	Branch of knowledge, specialty, educational qualification level	Characteristics of academic discipline	
		full-time education	evening form of study
Number of credits - 4	Field of knowledge, 22 «Healthcare»	Normative	
Total number of hours - 120	Speciality: 221 "Dentistry"	Year of preparation:	
		4-th	
		Semester	
		7-th	8-th
		Lectures	
		6 hrs.	4 hrs.

Hours for full-time (or evening) forms of training: classrooms – 80 independent work - 40	Educational-qualification level: Second (Master's)	Practical, seminar	
		35 год.	35 год.
		Laboratory	
		hrs.	hrs.
		Independent work	
		20 hrs.	20 hrs.
		Individual tasks: hrs.	
		Type of control: exam	

2.1 Description of the discipline

2.2.1. Topics of lectures.

№ n/n	Name of the topic	Number hours	Methods teaching	Control
1	Subject and tasks of maxillofacial emergency surgery. General military medical doctrine. Wound ballistics, clinical course of modern gunshot wound, general diagnostic signs of gunshot wounds of the	2	story-explanation, demonstration, presentation.	frontal survey, test control, self-control.

	<p>face. Facial soft tissue injuries, primary surgical treatment of wounds, types of sutures. Features of the course and treatment of soft tissues of the face, assistance in the stages of evacuation and in extreme conditions. Thermal and radiation injuries of the face. Features of issues of prevention of coronavirus infection.</p>			
2.	<p>Damage to the bones of the facial skull in peacetime and in wartime: clinic, diagnosis, treatment, modern principles of bone wound treatment. Assistance in extreme conditions and during the stages of medical evacuation.</p>	2	<p>story-explanation, demonstration, presentation.</p>	<p>frontal survey, test control, self-control.</p>
3.	<p>Early and late complications of MFA injuries: classification,</p>	2	<p>story-explanation, demonstration, presentation.</p>	<p>frontal survey, test control, self-control.</p>

	clinic, diagnosis, prevention, treatment.			
4.	<p>Facial and neck soft cysts: dermoid, epidermoid, medial, lateral cysts (fistulas) of the neck, parotid cysts and fistulas. Jaw cysts of various etiologies: radicular, follicular, periodontal and others.</p> <p>Classification, pathogenesis, pathoanatomy, clinic, differential diagnosis. methods of surgical treatment</p>	2	story-explanation, demonstration, presentation.	frontal survey, test control, self-control.
5.	<p>Tumor-like diseases of the thyroid gland: classifications, clinical picture, diff. diagnosis, principles and methods of treatment.</p> <p>Odontogenic tumors: ameloblastoma, odontoma. Benign neodontogenic neoplasms of the jaws:</p>	2	story-explanation, demonstration, presentation.	frontal survey, test control, self-control.

	osteoblastoclastoma, chondroma, osteoma, cholesteotoma. Classification, origin, pathological and anatomical picture, clinic, diff. diagnostics, principles and methods of treatment			
	total hours	10		

2.2.2 Practical classes

№ n/n	Name of the topic	Number of hours	Methods teaching	Control
1	Subject and tasks of military SLE surgery. Organization of surgical dental care for wounded and injured in the Ukrainian Army and Navy in wartime and in peacetime and in extreme conditions. General characteristics, clinical course, diagnosis of gunshot wounds of the face and neck. Non-gunshot injuries to the soft tissues of the face and mouth. Classification, features of wound process, types of surgical treatment of wounds.	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.

	<p>Providing first aid to the wounded and injured, their treatment at the stages of medical evacuation and in extreme conditions.</p> <p>Classification, clinic, diagnosis, treatment at the stages of medical evacuation, prevention and care of the wounded and nutrition at the stages of medical evacuation.</p> <p>Commissioning of the sick and wounded in MFA.</p>			
2	<p>Combined and combined damage to the thyroid gland. Classification, clinic, diagnosis, treatment at the stages of medical evacuation and in extreme conditions.</p> <p>Combination of damage to the jaws, facial bones and brain.</p> <p>Blind injuries of SHLD. Features of the course and surgical treatment of blind wounds. Indications and contraindications to the removal of</p>	5	<p>story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.</p>	<p>oral examination (individual and frontal), test control, self-control.</p>

	foreign bodies, surgical accesses.			
3	Non-gunshot and gunshot wounds of the lower jaw. Classification, clinic, diagnosis, temporary (transport) and permanent (medical) immobilization of jaw fragments. Treatment of the wounded and injured at the stages of medical evacuation.	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
4	Non-gunshot and gunshot injuries of the upper jaw. Classification, clinic, diagnosis of fragments of the upper jaw. Treatment of the wounded and injured at the stages of medical evacuation and in extreme conditions. Non-gunshot and combat injuries with damage to the bones of the nose, chin and arch. Classification, clinic, diagnosis, first aid and treatment of the wounded at the stages of medical evacuation.	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
5	Burns, frostbite, electric shock to the face. Classification, clinic, diagnosis, treatment of injured and sick at the stages of	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate,	oral examination (individual and frontal), test control, self-control.

	<p>medical evacuation and in emergency situations. Early and late complications of traumatic injuries of facial tissues, oral organs, jaws and bones of the facial skeleton.</p>		<p>method "Brainstorming", use of high-level mannequins, interdisciplinary training.</p>	
6	<p>Burns, frostbite, electric shock to the face. Classification, clinic, diagnosis, treatment of injured and sick at the stages of medical evacuation and in emergency situations. Early and late complications of traumatic injuries of facial tissues, oral organs, jaws and bones of the facial skeleton.</p>	5	<p>story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.</p>	<p>oral examination (individual and frontal), test control, self-control.</p>
7	<p>Jaw cysts. Classification, pathogenesis, pat. anatomy, symptomatology, differential diagnosis, surgical methods of treatment, technique of operations, results. Peculiarities of the course and treatment of cysts of the upper jaw that have sprouted into the maxillary cavity. Methods of stimulation of osteogenesis in the postoperative period. Branchiogenic and dermoid cysts of the</p>	5	<p>story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.</p>	<p>oral examination (individual and frontal), test control, self-control.</p>

	face and neck, atheromas. Classification, clinic, differential diagnosis, treatment.			
8	Odontogenic tumors of the jaws: ameloblastoma, odontoma, odontogenic fibroma. Classification, pathogenesis, pathoanatomy, clinic, differential diagnosis, methods of treatment. Benign neodontogenic neoplasms of the jaws: fibroma, chondroma, cholesteatoma, angioma, osteoblastoclastoma, osteoma, epulids.	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
9	Osteodystrophy and dysplasia of the jaws and bones of the face, eosinophilic granuloma. Classification, pathogenesis, pathoanatomy, clinic, differential diagnosis and treatment.	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate, method "Brainstorming", use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
10	Benign tumors of the salivary glands. Classification, Pat. anatomy, clinic, differential diagnosis, surgical treatment. Retention cysts of	5	story-explanation, conversation, illustration, demonstration, presentation, videos, videos, discussion, round table, debate,	oral examination (individual and frontal), test control, self-control.

	large and small salivary glands.		method "Brainstorming", use of high-level mannequins, interdisciplinary training.	
	Total hours	50		

2.2.3 Independent work.

№ n/n	Name of topic	Number of hours	Teaching methods	Control
1	Providing emergency medical care for traumatic, painful shock at the stages of treatment.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
2	Providing emergency medical care for injuries of the vessels of the face and neck at the stages of treatment. Providing emergency medical care for various types of asphyxia.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
3	Modern methods of treatment of the syndrome of prolonged compression of facial tissues (extracorporeal hemosorption,	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.

	plasmaphoresis, etc.), neurological changes after injury.			
4	Surgical methods of MFA soft tissue wound treatment, types of sutures.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
5	Modern methods of diagnosing facial tissue damage. Achievements of domestic scientists, employees of the department with presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.damage to the lower and upper jaws.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
6	Oncogenesis. Modern views on the biological basis of oncogenesis. Immune system in tumors and tumor-like processes of MFA.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.

7	Biological principles of treatment of benign and malignant tumors. of MFA.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
8	Methods of examination of patients with tumor and tumor-like processes of MFA. Biopsy.	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
9	Differential diagnosis of benign and malignant tumors of the MFA	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
10	Differential diagnosis of soft tissue cysts of the MFA	4	presentation, videos, videos, discussion, use of high-level mannequins, interdisciplinary training.	oral examination (individual and frontal), test control, self-control.
	Total hours	40		

2. EVALUATION CRITERIA

Conducting and evaluating the success of educational activities is carried out in accordance with the "Instructions for assessing the educational activities of applicants ..." (Table 1, 3, 4, 5, 6,7 of the "Instructions for assessing the educational activities of higher education applicants at KhNMU), in accordance with Order No. 181 of 21.08.2021 "On Approval of the Instruction on The Evaluation of Educational Activities of Higher Education Applicants at KhNMU".

The final score for current learning activities (CLA) and final lessons (FL) is defined as the arithmetic average of traditional grades for each class and software rounded up to 2 decimal places and listed on a multi-point scale on Table 1.

The final score for current learning activities (CLA) and final lessons (FL) is defined as the arithmetic average of traditional grades for each class and software rounded up to 2 decimal places and listed on a multi-point scale on Table 1.

Assessment in the discipline – there is a sum of points for the CLA and the exam from min - 120 to max - 200 and corresponds to the traditional assessment: "satisfactory", "good", "excellent".

Recalculation of the average grade according to the SLA and FL for disciplines that end with the exam is carried out in accordance with table 1. The minimum number of points that a student must score for admission to a differentiated test or exam is 70 points, the minimum positive score on the exam, respectively, is 50 points.

Table 1.

**Recalculation of the average estimate for current activities on a multi-score
scale
(for disciplines ending with exam)**

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
4.79-4,82	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

The exam is the process during which the received for the course (semester) are checked:

- level of theoretical knowledge;
- development of creative thinking;
- skills of independent work;
- competencies - the ability to synthesize the acquired knowledge and apply them in solving practical problems.

The department provides the following materials for preparation for the exam at the information stand:

- basic and anchor test tasks of MLE "Krok";
- a list of theoretical issues (including the issue of independent work);
- list of practical skills;
- a list of drugs, the prescriptions of which should be prescribed by the student;
- list of accounting medical documents;
- criteria for assessing students' knowledge and skills;
- schedule of students' work on missed classes during the semester.

The department on the cycle of professional training approves the methodology of the exam and approves it in the curriculum in discipline in the prescribed manner.

1. The solution of the package of test tasks is carried out at the last or penultimate lesson in the semester, which includes the basic (anchor) test tasks of MLE "Krok" in the amount of **at least 30 tests**. The evaluation criterion is 95-100% of the correctly solved tasks, "made up - did not pass".

2. Assessment of the assimilation of practical skills and theoretical knowledge on all subjects of the discipline on the day of the exam (according to the "Instructions for evaluation." 2015).

Criteria for assessing practical skills and theoretical knowledge are carried out in accordance with Table 2 and Table 3.

Table 2.

Criteria for assessing practical skills.

Number of skills	«5»	«4»	«3»	Answer by practical part of the ticket	For each practical skill, the student receives from 5 to 8 points, which corresponds to: "5" - 8 points; "4" - 6.5 points; "3" - 5 points.
1	8	6,5	5		
2	8	6,5	5		
3	8	6,5	5		
4	8	6,5	5		
5	8	6,5	5		
	40	32,5	25		

Evaluation of theoretical knowledge on the issues compiled at the department, which include all topics of sections.

Table 3:

Criteria for assessing theoretical knowledge.

Number of Issues	«5»	«4»	«3»	Oral response to the cards, which include	For each answer, the student receives from 5 to 8 points, which corresponds to:

1	8	6,5	5	the theoretical part of the discipline	"5" - 8 points; "4" - 6.5 points; "3" - 5 points.
2	8	6,5	5		
3	8	6,5	5		
4	8	6,5	5		
5	8	6,5	5		
	40	32,5	25		

Admission to the exam is determined in points min - 70, max - 120, in the absence of classroom absences and unsatisfactory grades. Classroom passes and "unsatisfactory" grades must be completed. The exam is rated from 50 to - 80 points. Grade from the discipline - is the sum of points for the CLA and the exam from min - 120 to max - 200 and corresponds to the national scale and the ECTS scale (Table 4).

Table 4

**Compliance of ratings on a 200-point scale,
4-point (national) scale and ESTS scale**

Оцінка за 200 бальною шкалою	Оцінка за шкалою ECTS	Оцінка за чотирибальною (національною) шкалою
180–200	A	Відмінно
160–179	B	Добре
150–159	C	Добре
130–149	D	Задовільно
120–129	E	Задовільно
Менше 120	F, Fx	Незадовільно

Students who have not met the requirements of discipline programs receive grades **F_x** or **F**. **Grade F ("2")** is exhibited to students who were admitted to the test, differentiated test, exam, but did not pass it and subsequently have the opportunity to reseat. without re-studying those parts of the discipline of which they have debts.

Educational program of higher education of Ukraine, second (master's) level, educational qualification awarded - master's degree, field of knowledge - 22 Healthcare, specialty 221 "Dentistry" is based on the Law of Ukraine "On Higher Education" and the resolution of the Cabinet of Ministers of Ukraine 01.02.2017 № 53 "On amendments to the resolution of the Cabinet of Ministers of Ukraine dated 29.04.2015 № 266", in accordance with the order of the Ministry of Education and Science of Ukraine dated 01.06.2016 № 600 "On approval and implementation of Methodological recommendations for the development standards of higher education".

The course program determines the prerequisites for access to training, orientation and main focus of the program, the amount of ECTS credits required for a master's degree, a list of general and special (professional) competencies, normative and variable content of training, formulated in terms of learning outcomes and control requirements quality of higher education.

The department accepts qualified applicants for higher education of any race, national or ethnic origin, sex, age, people with special needs, any religion, sexual orientation, gender, veteran status or marital status for all rights, privileges, programs and types. activities provided to university students.

3.2. Exam questions:

Section discipline 3 "Traumatology of MFA".

1. Subject and tasks of military dentistry, maxillo-facial surgery.

2. Organization of assistance to wounded military of the Armed Forces of Ukraine in peace and wartime.
3. Traumatic disease: pathogenesis, classification , prognosis, course, features, treatment, consequences of the disease.
4. Classification of damage to the tissues of the MFA (D.A. Entina - B.D. Kabakova).
5. General- characteristics, course ,diagnosis of damage to the face and jaws in peace and wartime.
6. Immediate complications of maxi-facial injuries , their diagnosis. Assistance on the battlefield and at the stages of medical evacuation.
7. The scope and maintenance of medical care for the wounded in the maxillo-facial area in peace and wartime.
8. Gunshot and non-fire damage to the soft tissues of the face: classification, course, features of surgical treatment.
9. Types of seams and suture materials. Plastic joints: purpose and modification .
10. Gunshot and non-fire damage to the lower jaw: classification, diagnosis, progress, assistance at the stages of medical evacuation.
11. X-ray styling for the diagnosis of damage to the bones of the facial skull.
12. Non-fire damage to the upper jaw beyond LeFaure, features of clinical manifestations, diagnosis, course, assistance at the stages of medical evacuation.
13. Gunshot damage to the upper jaw, features of clinical manifestations, diagnosis, course, assistance at the stages of medical evacuation.
14. Temporary (transport) immobilization in the damage to the bones of the MFA, types, principles, requirements.
15. Specialized assistance in the damage to the lower jaw.
16. Specialized assistance in the damage to the upper jaw.
17. Tigerstedt's tooth splits and their modifications.
18. Laboratory splits and their use in case of jaw damage.

19. Osteosynthesis of the lower jaw: indications, types, methods, equipment, biological and biomechanical principles.
20. Osteosynthesis of the upper jaw: indications, types, methods, equipment, biological and biomechanical principles.
21. Orthopedic-hardware method of treatment damages to the jaws and their defects: types, indications.
22. Combined jaw damage: features of clinical manifestation and assistance.
23. Damage to the facial bones: classification, features of the clinical course.
24. Damage to the bones of the nose: classification, clinic.
25. Front and rear nose tamponade: indications, technique
26. Combined radiation damage to the maxillo-facial area: classification, features of the course, assistance.
27. Combined chemical damage to the maxillo-facial area: classification, features of the course, assistance.
28. Combined damage to the facial and brain skull: classification, features of the course, diagnosis of elbows, principles of assistance.
29. Facial burns: classification, features of the course, assistance at the stages of medical evacuation.
30. Treatment of the effects of facial burns.
31. Modern gunshot wound MFA: features, treatment.
32. Asphyxia in damage to the tissues of the MFA: classification, features of the clinical course. Providing assistance to patients
33. Bleeding in damage to the tissues of the MFA: classification, assistance to patients.
34. Inflammatory complications of damage to the MFA: traumatic (gunshot and peace time) osteomyelites, sinusitis.
35. Damage to the tongue, oral bottom: features of the clinical course and assistance

36. Damage to the parotid-masseteric area, parotid salivary gland: features of the clinical course and assistance.
37. Neck damage, features of the clinical course and assistance.
38. Foreign bodies of the maxillo-facial area: etiology, course, methods of removal
39. Feeding the wounded in the maxillo-facial area. Types of diets. Feeding methods Care for the wounded. Military medical examination of the wounded in the MFA.
40. Physical and physiotherapy in the treatment of wounded in the maxillo-facial area.

Section discipline 4 «Oncology of the MFA».

1. Benign tumors of soft tissues of the maxillo-facial area.
2. Atherosclerosis, differential diagnosis, treatment.
3. Lipoma maxillo-facial area clinic, differential diagnosis, treatment.
4. Hemangioma maxillo-facial area: classification, clinic, treatment (classification Kondrashin).
5. Cavernous hemangioma maxillo-facial area: differential diagnosis, treatment.
6. Retentional cyst of the maxillo-facial area: clinic, diagnosis, treatment.
7. Dermoid cyst: clinical course, differential diagnosis, treatment
8. Clinic and treatment of the radicular cysts of the lower jaw.
9. Follicular jaw cyst: clinic, differential diagnosis, treatment.
10. Residual jaw cyst: etiology, pathogenesis, differential diagnosis, treatment.
11. Paradental jaw cyst: etiology, pathogenesis, differential diagnosis, treatment.
12. Clinic, differential diagnosis and treatment of adamantinoma jaws.
13. Jaw odontoma classification, differential diagnosis, treatment
14. Odontogenic tumor-like formations: osteodysplasia, parathyroid osteodystrophy, Paget's disease, eosinophilic granuloma.

15. Peripheral form of osteoblastostomy: features of clinical course, diagnosis, treatment.

16. Central form of osteoblastostoma: clinic, X-ray picture.

17. Tumors of the salivary glands : classification , clinic, diagnosis, treatment.

3.3. Control questions

1. Stages of development of military field and maxillofacial surgery, merits of domestic scientists.

2. The current state of military medicine, the concept of disaster medicine - its purpose and objectives.

3. Stages of medical care

4. Types and nature of assistance at the stages of evacuation

5. The concept of sorting the wounded, its types and tasks.

6. The amount of care for the wounded in the face and jaw during the stages of medical evacuation. Possibilities and features of providing assistance to maxillofacial wounded in modern conditions.

7. Classification of gunshot wounds.

8. Signs that characterize a gunshot wound.

9. The concept of wound ballistics, its importance for the maxillofacial surgeon.

10. Anatomical features of the maxillofacial area and wound ballistics

11. The course of the wound process.

12. Tasks of the doctor at planning of treatment of the patient with gunshot wounds.

13. Classification of physicochemical lesions of the maxillofacial area

14. Clinical and pathomorphological evaluation of thermal and chemical burns.
15. Features of the course and treatment of chemical burns.
16. Features of occurrence, course and treatment of electric burns
17. Frostbite - clinic, treatment
18. Radiation damage, mutual encumbrance syndrome.
19. Characteristics and classification of gunshot and non-gunshot fractures of the mandible
20. Features of the clinical course of gunshot and non-gunshot fractures of the mandible
21. Assistance in the stages of medical evacuation, the main tasks
22. Characteristics and classification of gunshot and non-gunshot fractures of the upper jaw
23. Features of the clinical course of gunshot and non-gunshot fractures of the upper jaw
24. Assistance in the stages of medical evacuation, the main tasks.
Treatment.
25. Classification of complications in injuries of the jaw area
26. Types of asphyxia, diagnosis, prevention, treatment.
27. Traumatic shock, etiology, pathogenesis, anti-shock therapy.
28. types of bleeding, causes, methods of temporary and permanent cessation of bleeding.
29. Traumatic osteomyelitis of the jaws, features, prevention, clinical course, treatment.
30. The concept of tumor

31. Classification of benign tumors of the maxillofacial area
32. Methods of examination of patients with tumors
33. Vascular neoplasms of the thyroid gland, classification, clinic, methods of examination and treatment
34. Differential signs in the diagnosis of lipomas, fibroids, fibroids, justification of treatment methods.
35. Ameloblastoma - pathogenesis, morphological characteristics, rationale for the choice of surgery
36. Osteoblastoclastoma - pathogenesis, morphological characteristics, rationale for the choice of surgery
37. Classification of odontogenic tumors
38. Clinical and morphological characteristics of odont, cement, features of the course and treatment
39. Classification of jaw cysts. Clinical signs and diagnostic methods.
40. Types and pathogenesis of neodontogenic cysts of the jaws.
41. Methods of treatment of cysts of the jaws
42. Classification of soft tissue cysts of the face and neck
43. Etiology and pathogenesis of soft tissue cysts of the face and neck.
44. Methods of treatment of soft tissue cysts of the face and neck.

3.4. Rules for appealing the assessment. The appeal of the assessment received by the applicant of higher education is carried out according to the "Regulations on the appeal of the results of the final control of applicants for education of KhNMU", approved by the Order of KhNMU 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. It is not allowed to write off, use various software, tips, use a mobile phone, tablet or other electronic gadgets during classes for purposes other than the educational process. Students are not allowed to attend 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 KhNMU students 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 paragraph 1 of Article 4 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); in the spirit of international understanding, cooperation and peace and 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 (employees of deans' offices, faculties, institutes and the Center for Gender Education, members of the student government and the ethics committee, Vice-Rector for Research and Education), respect the confidentiality of persons who report or accuse of discrimination or sexual harassment (except when the law requires disclosure of information and / or when disclosure by the University is necessary to protect the safety of others). KhNMU 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 KhNMU are confirmed by the Code of Corporate Ethics and the Charter of KhNMU

Behavior in the audience

It is important for students to follow the rules of good behavior at the university. These rules are common to all, they also apply to all faculty and staff, and are not fundamentally different from the generally accepted norms.

- During classes it is allowed:
- leave the audience for a short time if necessary and with the permission of the teacher;
- drink soft drinks;
- take photos of presentation slides;
- take an active part in the class
- Forbidden:
- eat (except for persons whose special medical condition requires another - in this case, medical confirmation is required);
- smoking, drinking alcohol beverages or drugs;
- use obscene language or use words that offend the honor and dignity of colleagues and faculty;
- gambling;
- damage the material and technical base of the university (damage inventory, equipment; furniture, walls, floors, litter the premises and territories);
- shouting, shouting or listening to loud music in classrooms and even in corridors during classes.

5. ACADEMIC INTEGRITY

The Department of Surgical Dentistry and SCL maintains zero tolerance for plagiarism. Students are expected to constantly raise their awareness of academic writing. The first lessons will provide information on what to consider plagiarism and how to properly conduct research and scientific research.

6. RECOMMENDED LITERATURE

Basic

1. Timofeev AA Maxillofacial surgery / Timofeev AA - All-Ukrainian specialized publishing house "Medicine", 2017. - 792 p.
2. Afanasyev VV Surgical dentistry /V.V. Афанасьев. - Publisher: GEOTAR-Media, 2015. - 792 p.
3. Kharkov L.V., Yakovenko L.M., Chekhova I.L. Surgical dentistry and maxillofacial surgery / Kharkov LV - All-Ukrainian specialized publishing house "Medicine", 2015. - 496 p.
4. Horishny B.M., Rybalov O.V., Sayapina L.M. Maxi-facial surgery of extreme situations / B.M.Horishnyi, O.V.Rybalov, L.M. Sayapina. - Poltava, 2000. - 221 p.
4. Bernadsky Y.Y. Fundamentals of maxillofacial surgery and surgical dentistry / YY Bernadsky.- K .: Flash, 2003.- 512 p.
5. Gnatyshak A.I. General clinical oncology / A.I. Gnatyshak. - Lviv, 1988. - 233 p.
6. Horishny B.M., Rybalov O.V., Sayapina L.M. Maxillofacial surgery of extreme situations / B.M. Gorishny, O.V. Rybalov, LM Sayapin. - Poltava, 2000. - 221 p.
7. Fundamentals of dentistry / Ed. V.O. Malanchuk. - K .: Medicine, 2009. - 591 c.
8. Guide to surgical dentistry and maxillofacial surgery: In 2 topics. / Ed. VM Bezrukova, T.G. Robustova. - Ed. 2nd, reworked. and ext. - M .: Medicine, 2000. - 776p.
9. Timofeev A.A. 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 and Maxillofacial Trauma, in 2 Volumes, Fonesca et al, 3rd Edition, 2004, Saunders.

Supporting

1. Voronenko Y.V., Pavlenko O.V., Mazur I.P., Borisenko A.V. 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 O.O. Bogomolets (May 15, 2020) - Collection of scientific papers - Edited by prof. V.O. Malanchuk - 2019 - 272p.
 3. Malanchuk V.O., Chepurny Y.V. Traumatic injuries of the orbit and lacrimal ducts / Malanchuk V.O., Chepurny Y.V.; Ministry of Health of Ukraine, National Academy of Medical Sciences of Ukraine, Nat. honey. OO University Bogomolets - Bila Tserkva: PJSC "Bila Tserkva Book Factory", 2014.
 4. 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 of MFA" - Lviv , 2019, 72 p.
 5. Medical histories of surgical dentistry / V.O. Malanchuk, O.S. Volovar, O.L. Tsilenko, DV Topchiy, textbook. - Kyiv, 2015. –150 p.
- Horishny BM, Rybalov O.V., Sayapina L.M. Maxillofacial surgery of extreme situations / B.M. Gorishny, O.V. Rybalov, L.M. Sayapin. - Poltava, 2000. - 221 p.
2. Diagnosis, treatment and rehabilitation of patients with injuries of the maxillofacial region / Ed. A.G. Sharogorodsky - Smolensk, 1981. - 159 p.
 3. Lukyanenko A.V. Gunshot wounds of the face / A.V. Lukyanenko. - SPb, 1996 - 182 p.
 4. Murazyan R.I., Panchenko N.R. Emergency care for burns / R.I. Murazyan, N.R. Panchenko. - М .: Медицина, 1983 - 126 с.

5. Shvyrkov M.B., Afanasyev V.V., Starodubtsev V.S. Neogun fractures of the jaws / M.B. Shvyrkov, V.V. Afanasyev, V.S. Starodubtsev - M .: Medicine, - 1999 - 335 p.

6. Surgical dentistry in diagrams and tables: Textbook. allowance for students and interns / G.P. 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>

2. 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-dyisc.docx

3. Regulations on prevention, prevention and settlement of cases related to sexual harassment and discrimination in KhNMU

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog-sex.doc

4. Regulations on the recognition of the results of non-formal education at Kharkiv National Medical University

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

5. 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

6. 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

7. Regulations on the Commission on Academic Integrity, Ethics and Conflict Management of KhNMU

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

8. 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