



NURSING PRACTICE IN THE SURGICAL DEPARTMENT OF THE DENTAL CENTER

1. General information	
Name of the Faculty	Dental
Educational program (sphere of knowledge, specialty, level of higher education, form of education)	22 Healthcare, 221 Dentistry, second level of higher education (master's degree), day form of education
Educational year	2020-2021
Name of the discipline, code (e-mail address on the website of LNMU named after Danylo Halytsky)	Nursing practice in the surgical department of the dental center MC 2.2 e-mail: kaf_omfs@meduniv.lviv.ua

Department (<i>name, address, phone, e-mail</i>)	Surgical dentistry and maxillofacial surgery, 79010, Lviv, Nekrasova street, 6, Lviv Regional Clinical Hospital, Department of Maxillofacial Surgery, +38 (032) 278-62-67; 79000, Lviv, Mykolaychuka street, 9, Municipal City Clinical Hospital of Ambulance, +38 (032) 278-62-67; 79000, Lviv, Pekarska street, 69B, Dental Medical Center of LNMU, +38 (032) 278-62-67; e-mail: kaf_omfs@meduniv.lviv.ua
Chief of the department (<i>e-mail</i>)	Professor, DDS Yan Vares e-mail: kaf_omfs@meduniv.lviv.ua

Year of study (year in which the discipline is studied)	II
Semester (<i>semester</i> , in which the discipline is studied)	IV
Type of the discipline/module (<i>mandatory/selective</i>)	Selective
Teachers (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	Ya.E. Vares, DDS, Professor Yu.O. Medvid, CMS, Associate Professor Ch.R. Pogranychna, CMS, Associate Professor N.M. Krupnyk, CMS, Associate Professor A.V. Filipyskyi, CMS, Associate Professor e-mail: kaf_omfs@meduniv.lviv.ua
Erasmus yes/no (availability of the discipline for students within the program <i>Erasmus+</i>)	no

The person responsible for the syllabus (the person to be commented on the syllabus, contact <i>e-mail</i>)	Head of the Department, Professor Yan Vares, DDS Deputy Head of the Department, Associate Professor Yu.O. Medvid, CMS e-mail: kaf_omfs@meduniv.lviv.ua
ECTS credits	4
Total hours (<i>lectures/ practical lessons/ student's independent work</i>)	Total hours – 120 Duration of the practice – 3 weeks
Language of education	English
Information about consultations	Consultations are held according to the schedule of consultations, which is posted on the information stands of the department, the website of the department, the platform for distance learning misa
Address, telephone and regulations of the clinical base	79010, Lviv, Nekrasova street, 6, Lviv Regional Clinical Hospital, Department of Maxillofacial Surgery, +38 (032) 278-62-67; 79000, Lviv, Mykolaychuka street, 9, Municipal City Clinical Hospital of Ambulance, +38 (032) 278-62-67; 79000, Lviv, Pekarska street, 69B, Dental Medical Center of LNMU, +38 (032) 278-62-67; Working hours : 9.00-16.20 (on the days of repassing of the missed lessons according to the schedule: 9.00-19.00)

2. Short annotation of the course

Educational program description (abstract). According to the curriculum of manufacturing practices for second-year students of dental faculties, when a student acquires knowledge of basic clinical disciplines (human anatomy, histology, cytology and embryology, physiology, pathophysiology, pathomorphology, propaedeutics of therapeutic dentistry, propaedeutics of orthopedics) , pharmacology), with which the program of manufacturing practice is integrated. In turn, the practice forms the basis for further study by the student of the clinical discipline - surgical dentistry, which involves integration with these disciplines "vertically" and the formation of skills to apply knowledge in further learning and professional activities.

Nursing practice in the surgical department of the dental center is carried out in the summer. The practice involves students' independent acquisition of practical skills, which is controlled by the University practice manager, Base practice supervisor and manager. The current activity of students is assessed by the Base practice manager.

Structure of the discipline	Number of credits, hours			Year of study/ semester	Test type
	Total	Q-ty of hours	Q-ty of lessons		
Name of the discipline: manufacturing medical practice "Nursing practice in the surgical department of the dental center" <i>Content module 1</i>	4 credits	120	15	II course (IV semester)	Credit

The subject of study of the discipline are pathological processes of maxillo-facial area, related to the competence of surgical dentistry and maxillofacial surgery, features of their clinical course, the main diagnostic and therapeutic manipulations used in the practice of the dental surgeon.

3. The purpose and objectives of the course

The purpose of teaching of the discipline is to consolidate the knowledge and practical skills gained in the study of fundamental and professional disciplines, the formation and development of students' professional ability to make independent decisions. To achieve the goal, the ultimate tasks of practice are formulated, and on their basis - specific tasks in the form of certain skills (actions).

The main tasks of studying of the discipline "Nursing practice in the surgical department of the dental center" is to master the basic principles of ethics and deontology in surgical dentistry and maxillofacial surgery, to know the sanitary and hygienic requirements for the structure and equipment of the departments of surgical dentistry and maxillofacial surgery, and to master methods of asepsis and antisepsis, to declare the rules of work in the operating room, to be able to properly organize the work of clean and purulent dressings, to demonstrate the preparation of dressings, surgical linen, surgical instruments, to learn methods of preparation of the surgeon's hands and operating field, to demonstrate aseptic dressings, to explain features of care for patients after surgical interventions in the maxillofacial area, to organize the preparation of the patient for planned and urgent surgery, to master the method of applying bandages on the face and neck, to master the method of prenatal, prenatal, subcutaneous injections, learn the rules of preparation of solutions for emergency care, organize care for the patient after surgery, acquisition and improvement of professional skills of the nurse of the surgical department of the dental clinic and the department of maxillofacial surgery.

Competence and course results.

In accordance with the requirements of the Standard of Higher Education, the discipline "Nursing practice in the surgical department of the dental center" provides students with the acquisition of competences:

- Integral (the ability to solve complex problems in the field of health care in the specialty "Dentistry" in professional activity or in the process of study, which involves research or innovation).

- General (ability to abstract thinking, analysis and synthesis; ability to learn and to be trained in accordance with the newest educational tools; ability to apply knowledge in practical situations; skills of using information and communication technologies; ability to search, process and analyze information from different sources; ability to identify, set and solve the problem; the ability to choose a communication strategy; the ability to work in a team; interpersonal skills; the

ability to follow the labour safety regulations; the ability to evaluate and provide high quality results).

- Special (professional, subject) (collection of medical information about the patient (history); evaluation of results of laboratory and instrumental research; clinical diagnostics of a dental disease; diagnosis of urgent conditions; identification of the nature and treatment principles of dental diseases; tactics of dealing with dental patients with somatic pathology; performing the range of medical and dental manipulations; treatment of major dental diseases; dealing with medical documentation).

General competencies (GC) according to the requirements of the NQF:

1. Ability to abstract thinking, analysis and synthesis.
2. Knowledge and understanding of the subject area and understanding of professional activity.
3. Ability to apply knowledge in practice.
4. Ability to communicate in the state language both orally and in writing.
5. Ability to communicate in English.
6. Skills in the use of information and communication technologies.
7. Ability to search process and analyze information from various sources.
8. Ability to adapt and act in a new situation.
9. Ability to identify, pose and solve problems.
10. Ability to be critical and self-critical.
11. Ability to work in a team.
12. The desire to preserve the environment.
13. The ability to act socially responsibly and consciously.
14. The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.
15. Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, use different types and forms of motor activities for active recreation and a healthy lifestyle.

Special (professional, subject) competencies (SC) according to the requirements of the National Qualifications Framework (NQF):

1. Ability to collect medical information about the patient and analyze clinical data.
2. Ability to interpret the results of laboratory and instrumental research.
3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.
4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial area.
5. Ability to design the process of providing medical care: to determine approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.
6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.
7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial area with concomitant somatic diseases.
8. Ability to perform medical and dental manipulations.
9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial area.
10. Ability to organize and conduct medical and evacuation measures.
11. Ability to determine tactics, methods and provide emergency medical care.
12. Ability to organize and conduct screening examinations in dentistry.

13. Ability to assess the impact of the environment on the health of the population (individual, family, population).
14. Ability to maintain regulatory medical records.
15. Processing of state, social and medical information.
16. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and MFA.
17. Ability to legally support their own professional activities.
18. Ability to provide home care according to the protocols of tactical medicine.

Detailing competencies in the NQF descriptor in the form of "Competency matrix".

Competency matrix of the educational component Surgical dentistry

Program competencies	Nursing practice in the surgical department of the dental center SC 2.2
<i>General competencies</i>	
GC 1 Ability to abstract thinking, analysis and synthesis.	+
GC 2 Knowledge and understanding of the subject area and understanding of professional activity.	+
GC 3 Ability to apply knowledge in practice.	+
GC 4 Ability to communicate in the state language both orally and in writing.	+
GC 5 Ability to communicate in English.	+
GC 6 Skills in the use of information and communication technologies.	+
GC 7 Ability to search process and analyze information from various sources.	+
GC 8 Ability to adapt and act in a new situation.	+
GC 9 Ability to identify, pose and solve problems.	+
GC 10 Ability to be critical and self-critical.	+
GC 11 Ability to work in a team.	+
GC 12 The desire to preserve the environment.	+
GC 13 The ability to act socially responsibly and consciously.	+
GC 14 The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.	+
GC 15 Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, use different types and forms of motor activities for active recreation and a healthy lifestyle.	+
<i>Special (professional) competencies</i>	
SC 1 Ability to collect medical information about the patient and analyze clinical data.	+
SC 2 Ability to interpret the results of laboratory and instrumental research.	+
SC 3 Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.	+
SC 4 Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial area.	+
SC 5 Ability to design the process of providing medical care: to determine approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.	+
SC 6 Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.	+
SC 7 Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial area with concomitant somatic diseases.	+
SC 8 Ability to perform medical and dental manipulations.	+
SC 9 Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial area.	+
SC 10 Ability to organize and conduct medical and evacuation measures.	+
SC 11 Ability to determine tactics, methods and provide emergency medical care.	+
SC 12 Ability to organize and conduct screening examinations in dentistry.	+
SC 13 Ability to assess the impact of the environment on the health of the population	+

(individual, family, population).	
SC 14 Ability to maintain regulatory medical records.	+
SC 15 Processing of state, social and medical information.	+
SC 16 Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and MFA.	+
SC 17 Ability to legally support their own professional activities.	+
SC 18 Ability to provide home care according to the protocols of tactical medicine.	+

As a result of studying the discipline, the student must

know:

- Methods of prevention of the spread of nosocomial infection and measures to maintain body hygiene of surgical patients and medical staff, hygiene of linen and clothing of patients.
- Medical manipulations: thermometry, change of bed and underwear, care of probes and drainages. Measures to prevent possible complications in operated patients.
- How to perform intravenous, intramuscular, subcutaneous injections.
- Rules of preparation of solutions for first aid.
- Features of nutrition of patients after surgical interventions in maxillofacial
- Pulse examination and measurement of blood pressure and body temperature.
- Preparation of disinfectant solutions and sanitation of premises.
- Preparation of disinfectant solutions and preparation for disposal of used disposable instruments and dressing material.
- Disinfection and sterilization of used surgical instruments.
- Preparation of dressing material, its laying for sterilization.
- Preparation and application of antiseptic solutions in patients with purulent wounds.
- Control of pre-sterilization preparation of instruments.
- Preparation of patients for operations: skin care, shaving hair, rehabilitation of the oral cavity, requirements for linen and clothing of patients, nutrition, medical manipulations.
- Bandaging patients after maxillofacial surgery.
- Surgeon's and surgical field treatment.
- Sterile table preparation.
- Surgical sterile covers imposition.

to be able to:

- Perform the current cleaning
- Perform general cleaning
- Perform cleaning of the working surface of doctor's dental table and dental unit (after each patient)
- Perform cleaning of dental units and handpieces
- Carry out disinfection of medical devices by chemical method
- Perform pre-sterilization cleaning
- Carry out sterilization by steam method
- Carry out sterilization by air method
- Carry out sterilization by chemical method
- Perform quality control of pre-sterilization cleaning - azopiram indicator test
- Perform quality control of pre-sterilization cleaning - phenolphthalein indicator test
- Carry out the processing of individual dental kits
- Carry out disinfection of dental handpieces
- Perform subcutaneous injection
- Perform intramuscular injections
- Perform intravenous injections
- Prepare solutions for emergency aid

- Conduct the preparation of the instruments for the reception of patients
- Assist to the doctor during tooth extraction
- Conduct preparation of the patient in the dental unit before seeing a doctor
- Fill in the ambulatory card of the patient
- Fill the journal of preventive inspection
- Fill the statistical card
- Fill the card of dispensary observation

To demonstrate:

- ability to abstract thinking, analysis and synthesis.
- ability to learn and be modernly trained.
- knowledge and understanding of the subject area and understanding of professional activity.
- ability to apply knowledge in practical situations.
- skills of using information and communication technologies.
- ability to search, process and analyze information from various sources.
- ability to identify, pose and solve problems.
- ability to choose a communication strategy.
- ability to work in a team.
- interpersonal skills.
- ability to act on the basis of ethical considerations (motives), security orientation.
- possession of moral and deontological principles of a medical specialist and the principles of professional subordination.
- ability to evaluate and ensure the quality of work performed.
- ability to act socially responsible and civic conscious.

4. Course details

Discipline	Student must know	Student must be able to do
<p>Normal anatomy</p> <p>Hystology, cytology, embriology</p>	<p>Know the anatomical and physiological features of the maxillofacial area:</p> <p>a)structure of the upper and lower jaws, histostructure of bone tissue;</p> <p>b)innervation and vascularization of these areas;</p> <p>c)attachment points and muscles of the maxillofacial area;</p> <p>d)layered histological structure of the skin;</p> <p>e)the structure of the lymphatic system of the head and neck;</p> <p>e)features of lymph outflow from the teeth of the upper and lower jaws;</p> <p>f)localization of cellular spaces with definition of their borders;</p> <p>g)structure of deciduous and permanent teeth;</p> <p>h)anatomical and histological structure of periodontal tissues;</p>	<p>Be able to explain the structure of organs and systems of the maxillofacial area.</p> <p>Be able to explain the mechanical interaction of muscle groups.</p> <p>Be able to explain the localization of the pathological process in the maxillofacial area. Be able to explain the genesis of congenital malformations of the tissues of the maxillofacial area.</p>

	i)anatomical and histological structure of the oral mucosa; j)the structure of the organs of the head and neck; k)embryogenesis of the maxillofacial organs.	
Physiology	Know the physiology of the act of swallowing, the act of breathing	Be able to explain which organs take part in these acts and what their role is.
Microbiology, virology and immunology	Know the species identification of oral microorganisms; what are opportunistic and pathogenic microorganisms, their role in the development of inflammatory processes of the maxillofacial area.	Be able to characterize the features of the microflora of the oral cavity and microorganisms that cause the development of purulent-inflammatory and specific processes. Be able to explain the essence of the bacteriological examination.
Propaedeutics of internal medicine	Know the procedure for examining the patient. Know the structure and methodology of filling in the medical card.	Be able to collect complaints, medical history, conduct a systematic examination of the patient and properly perform the medical records.
Foreign language (for professional purposes)	Know a foreign language, foreign medical terminology.	Be able to communicate in a foreign language, use foreign sources for professional purposes.
Latin language and medical terminology	To know international medical terminology.	To be able to use international medical latin terminology.

5. Learning outcomes

Program learning outcomes

Code of result of the learning outcome	The content of the learning outcome	Reference to the competency matrix code
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2</i>	Determine the nature of work, rest and the necessary diet in the treatment of dental diseases (according to list 2 of EPP) on the basis of preliminary or final clinical diagnosis by making an informed decision according to existing algorithms and standard schemes.	<i>PRE 9</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	Analyze and evaluate government, social and medical information using standard approaches and computer information technologies.	<i>PRE 14</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1,</i>	Assess the impact of the environment on the health of the population in a medical institution by standard	<i>PRE 15</i>

<i>Aut2, Aut3</i>	methods.	
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	Form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs.	<i>PRE 16</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	Adhere to a healthy lifestyle, use the techniques of self-regulation and self-control.	<i>PRE 17</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	To be aware of and guided in their activities by civil rights, freedoms and responsibilities, to raise the general cultural level.	<i>PRE 18</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2</i>	Adhere to the requirements of ethics, bioethics and deontology in professional activities.	<i>PRE 19</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	Organize the necessary level of individual safety (personal and carers) in case of typical dangerous situations in the individual field of activity.	<i>PRE 20</i>
<i>Kn1, Kn2, Skl1, c2, Com1, Com2, Aut1, Aut2</i>	Perform medical manipulations on the basis of preliminary and / or final clinical diagnosis (according to lists 2, 2.1 of EPP) for different segments of the population and in different conditions (according to list 6 of EPP).	<i>PRE 21</i>
<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2</i>	Perform manipulations of emergency medical care, using standard schemes, under any circumstances on the basis of a diagnosis of emergency (according to list 4 of EPP) in a limited time (according to lists 6, 7 of EPP).	<i>PRE 23</i>

Matrix of correspondence of the competencies defined by the Standard to descriptors of NQF

Classification of competencies by NQF	Knowelge Kn 1 Specialized conceptual knowledge acquired in the process of learning and / or professional activity at the level of the latest achievements, which are the basis for original thinking and innovation, in particular in the context of research work Kn 2 Critical understanding of problems in teaching and / or professional activities and at the border of subject areas	Skills Skl 1 Solving complex problems and issues that require updating and integrating knowledge, often in conditions of incomplete / insufficient information and conflicting requirements Skl 2 Conducting research and / or innovation activities	Communication Com 1 Clear and unambiguous communication of one's own conclusions, as well as the knowledge and explanations that substantiate them, to specialists and non-specialists, in particular to students Com 2 Use of foreign languages in professional activities	Autonomy and responsibility Aut 1 Making decisions in difficult and unpredictable conditions, which requires the application of new approaches and forecasting Aut 2 Responsibility for the development of professional knowledge and practices, assessment of strategic development of the team Aut 3 Ability to further study, which is largely autonomous and independent
General competencies				
1. Ability to abstract thinking, analysis and synthesis.	Kn 1 Kn 2	Skl 1		Aut 1
2. Knowledge and understanding of the subject area and understanding of professional activity.	Kn 1	Skl 1	Com 1	Aut 2
3. Ability to apply knowledge in practice.	Kn 1	Sc 1	Com 1	Aut 1
4. Ability to communicate in the state language both orally and in writing.			Com 1, Com 2	
5. Ability to communicate in English.			Com 1	
6. Skills in the use of information and communication technologies.	Kn 1		Com 1, Com 2	Aut 2
7. Ability to search process and analyze information from various sources.	Kn 1		Com 1	Aut 2

8. Ability to adapt and act in a new situation.		Skl 1		Aut 1
9. Ability to identify, pose and solve problems.	Kn 1	Skl 1	Com 1	Aut 1
10. Ability to be critical and self-critical.	Kn 2			Aut 1
11. Ability to work in a team.	Kn 2		Com 1, Com 2	Aut 2
12. The desire to preserve the environment.	Kn 1	Skl 1		Aut 1
13. The ability to act socially responsibly and consciously.	Kn 1			Aut 1
14. The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.	Kn 1	Skl 1	Com 1	Aut 3
15. Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, use different types and forms of motor activities for active recreation and a healthy lifestyle.	Kn 1	Skl 2		Aut 3
Special (professional) competencies				
1. Ability to collect medical information about the patient and analyze clinical data.	Kn 2	Skl 1	Com 1, Com 2	
2. Ability to interpret the results of laboratory and instrumental research.	Kn 1	Skl 1		Aut 1
3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.	Kn 1	Skl 1		Aut 1
4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial area.	Kn 2	Skl 1	Com 1	Aut 1
5. Ability to design the process of providing medical care: to determine approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.	Kn 1	Skl 1		Aut 1

6. Ability to determine the rational mode of work, rest, diet in patients in the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area.	Kn 1, Kn 2	Skl 1	Com 1	
7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial area with concomitant somatic diseases.		Skl 1		Aut 1, Aut 2
8. Ability to perform medical and dental manipulations.	Kn 1	Skl 1		Aut 1
9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial area.	Kn 1	Skl 1	Com 1	Aut 1, Aut 2
10. Ability to organize and conduct medical and evacuation measures.	Kn 1, Kn 2	Skl 1	Com 1	Aut 1, Aut 2
11. Ability to determine tactics, methods and provide emergency medical care.	Kn 1, Kn 2	Skl 1		Aut 1, Aut 2
12. Ability to organize and conduct screening examinations in dentistry.	Kn 1	Skl 2	Com 1	Aut 2
13. Ability to assess the impact of the environment on the health of the population (individual, family, population).	Kn 2	Skl 2		
14. Ability to maintain regulatory medical records.			Com 1	Aut 1
15. Processing of state, social and medical information.	Kn 2		Com 1, Com 2	Aut 1, Aut 2
16. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and MFA.	Kn 1	Skl 1	Com 1	
17. Ability to legally support their own professional activities.	Kn 1		Com 1	Aut 2
18. Ability to provide home care according to the protocols of tactical medicine.	Kn 2	Skl 1	Com 1	Aut 1, Aut 2

Matrix of compliance with the learning outcomes and competencies defined by the Standard

Program learning outcomes	Competencies																																										
	Integral competency	General competencies													Special (professional) competencies																												
		GC1	GC2	GC3	GC4	GC5	GC6	GC7	GC8	GC9	GC10	GC11	GC12	GC13	GC14	GC15	SC1	SC2	SC3	SC4	SC5	SC6	SC7	SC8	SC9	SC10	SC11	SC12	SC13	SC14	SC15	SC16	SC17	SC18									
PRE1	+	+	+	+	+	+	+	+	+	+	+					+	+	+		+	+	+											+										
PRE 2	+	+	+	+	+	+	+	+	+	+	+					+	+																		+								
PRE 3	+	+	+	+	+	+	+	+	+	+	+					+	+																			+							
PRE 4	+	+	+	+	+	+										+	+	+		+	+	+													+	+							
PRE 5	+	+	+	+	+	+										+	+	+																			+						
PRE 6	+	+	+	+	+	+	+	+	+	+	+					+			+		+															+	+						
PRE 7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+																+						
PRE 8	+	+	+	+				+	+	+						+	+			+	+	+				+	+	+															
PRE 9	+	+	+	+	+			+	+	+	+					+					+	+			+											+	+						
PRE 10	+	+	+	+				+	+	+	+					+					+	+																+					
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PRE 16	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
PRE 17	+	+	+	+		+					+		+	+	+	+			+																				+	+			
PRE 18	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+			+							+		+	+	+	+	+	+	+	+	+	+	+	+	+	+		
PRE 19	+	+	+	+	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
PRE 20	+	+	+	+						+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
PRE 21	+	+	+	+						+	+	+																												+	+		
PRE 22	+	+	+	+						+	+	+																													+	+	
PRE 23	+	+	+	+						+	+	+																													+	+	

6. Form and volume of the course		
Form of the course	Full-time course	
Type of the lessons	Quantity of hours	Quantity of groups
practical	15 lessons (120 hours)	According to the schedule

7. Topics and content of the course				
Code of the type of the lesson	Topic	Content of the lesson	Code of the result of education	Teacher
IV Semester				
P-1	Organization of surgical dental care. Introduction to the structure of the surgical department of the dental clinic and the department of maxillofacial surgery of the clinical hospital. Equipment, documentation of the outpatient dental office and department.	Principles of organization of dental care for the population of Ukraine. Organization of the surgical department (office) of the dental clinic. Features of the organization and provision of special surgical dental care. Sanitary and hygienic requirements for the surgical department (office) of the dental clinic and hospital. Equipment, medical documentation of the surgical office (department).	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21</i>	according to the schedule
P-2	Methods of examination of the maxillofacial area and neck.	Subjective examination of a surgical dental patient (complaints, medical history, life history). Methods of examination of the general condition of a surgical dental patient. Methods of local examination (extraoral and intraoral) of a surgical dental patient. Additional methods of examination (electroodontometry, radiography, morphological, microbiological, functional studies). The value of personal communication between doctor and patient. Emotional factors associated with diseases, injuries and defects of the face and treatment. Deontology and medical ethics in surgical dentistry and maxillofacial surgery.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21</i>	according to the schedule
P-3	Functional responsibilities of the medical staff in the surgical department	Preparation of the equipment and instruments of the surgical dental department (office) of the polyclinic and hospital. Equipment, medical documentation of the surgical office (department).	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	according to the schedule

			<i>PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21</i>	
P-4	Asepsis and antiseptics in surgical dentistry.	Desinfection, pre-sterilization cleaning, packaging of instruments and dressings. Quality control of pre-sterilization treatment Modern sterilization methods. Sterilization quality control. Storage of sterile instruments and dressings. Methods of antiseptic cleaning of the operating field and the surgeon's hands and the means used for this purpose.	<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20,</i>	according to the schedule
P-5	Organization of work in the operating room. Types of operating room cleaning. Organization of work in a clean dressing room. Equipment	Instruments for examination of a surgical dental patient. Instruments for local anesthesia in dentistry. Tooth extraction Instruments. Tissue separation and joining Instruments. Criteria for selecting dental forceps. Criteria for selection of dental elevators. Criteria for selecting a scalpel blade, needle holder, etc.	<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	according to the schedule
P-6	Methods of making napkins, tampons, gauzes. Disinfection and pre-sterilization of dressings, surgical linen and instruments	Desinfection, pre-sterilization cleaning, packaging of instruments and dressings. Quality control of pre-sterilization treatment Modern sterilization methods. Sterilization quality control. Storage of sterile instruments and dressings. Methods of antiseptic cleaning of the operating field and the surgeon's hands and the means used for this purpose	<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE 21</i>	according to the schedule
P-7	Types of sterilization and its	Modern sterilization methods. Sterilization quality control. Types of	<i>Kn1, Kn2, Sk11, Sk12,</i>	according to the

	control. Preparation of a sterile table. Ways of spreading the infection and ways to prevent them. Prevention of socially significant infections	tests to check the quality of sterilization. Principles of their action. Procedure of performance. Sterile table: purpose of use, principles of preparation for interventions. Storage of sterile instruments and dressings. Socially significant infections: their nature, ways of spreading, main symptoms, features and ways of prevention. Safety rules of work with this category of the patients.	<i>Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	schedule
P-8	Types of surgical interventions in surgical dentistry and maxillofacial surgery. Preparation of patients for operations: skin care, hair shaving, sanitation of the oral cavity, requirements for underwear and clothing of patients, nutrition, medical manipulations	Methods of antiseptic cleaning of surgeon's hands. Spasokukotsky-Kochergin method, cleaning of hands with pervomur (C-4 solution), cleaning of hands with Sterilium or Softaman solution. Operation field cleaning technique	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21</i>	according to the schedule
P-9	Types of surgical interventions in surgical dentistry and maxillofacial surgery. Preparation of patients for operations: skin care, hair shaving, sanitation of the oral cavity, requirements for underwear and clothing of patients, nutrition, medical manipulations.	Urgent and planned surgical interventions. Features of preparation of patients for their carrying out. Septic and aseptic surgeries. Features of preparation of patients for interventions under local and general anesthesia. Hospital underwear and clothing. Nutrition of the patients.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21PRE 23</i>	according to the schedule
P-10	Features of desmurgia in maxillofacial surgery (applying bandages on the face and neck).	Types of dressings and bandages used in surgical dentistry and maxillofacial surgery. Features of their imposition. Cotton gauze bandages, pressure bandages.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	according to the schedule

	Types of manipulations performed in the aseptic dressing room. Types of dressings, its purpose.	Compresses.	<i>PRE 9, PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	
P-11	Basic principles of patient care in the postoperative period. Nutrition of patients in the maxillofacial department.	General principles of curation of patients in the postoperative period. Mode of work and rest in patients after surgery in the maxillofacial area. Recommendations for the nutrition of patients after oral surgery, patients with impaired masticatory function, patients with limited mouth opening or intermaxillary fixation.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	according to the schedule
P-12	Methods of intravenous, intravenous, subcutaneous injections. Preparation of solutions for emergency care.	Modern injection systems. General principles of injecting drugs. Intradermal, subcutaneous, intramuscular, intravenous injections. Catheterization and establishment of prevented access for infusion. Venous blood collection by modern blood collection systems.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 1, PRE 2, PRE 3, PRE 4, PRE 9, PRE 10, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	according to the schedule
P-13	Antiseptics. Care for patients with purulent pathology. Types of antiseptics, indications for their use.	Principles of surgical interventions in patients with purulent pathology. Management of a septic wound. Types of drainage and requirements for them. The concept of antiseptics, its goals and objectives. Antiseptics used to wash purulent wounds. Drugs that help clean a purulent wound. Bandaging of patients with	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 10, PRE 14, PRE 16,</i>	according to the schedule

		purulent wounds.	<i>PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	
P-14	Drainage of purulent wounds. Types of drainages	Principles of surgical interventions in patients with purulent pathology. Management of a septic wound. Types of drainage and requirements for them. Antiseptics used to wash purulent wounds. Drugs that help clean a purulent wound. Bandaging of patients with purulent wounds.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	according to the schedule
P-15	Principles of surgical interventions in patients with purulent pathology. Management of a septic wound. Types of drainage and requirements for them. Antiseptics used to wash purulent wounds. Drugs that help clean a purulent wound. Bandaging of patients with purulent wounds.	Types of dressings and bandages used in surgical dentistry and maxillofacial surgery. Features of their overlay. Cotton gauze bandages, pressure bandages. Disposal of used dressings and disposable medical instruments.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 10, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	according to the schedule
IV Semester				
SST-1	Organization of surgical dental care. Introduction to the structure of the surgical department of the dental clinic and the department of maxillofacial surgery of the clinical hospital. Equipment, documentation of the outpatient	Principles of organization of dental care for the population of Ukraine. Organization of the surgical department (office) of the dental clinic. Features of the organization and provision of special surgical dental care. Sanitary and hygienic requirements for the surgical department (office) of the dental clinic and hospital. Equipment, medical documentation of the surgical office (department).	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE19, PRE 20,</i>	according to the schedule

	dental office and department.		<i>PRE21</i>	
SST-2	Methods of examination of the maxillofacial area and neck.	Subjective examination of a surgical dental patient (complaints, medical history, life history). Methods of examination of the general condition of a surgical dental patient. Methods of local examination (extraoral and intraoral) of a surgical dental patient. Additional methods of examination (electroodontometry, radiography, morphological, microbiological, functional studies). The value of personal communication between doctor and patient. Emotional factors associated with diseases, injuries and defects of the face and treatment. Deontology and medical ethics in surgical dentistry and maxillofacial surgery.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21</i>	according to the schedule
SST-3	Functional responsibilities of the medical staff in the surgical department	Preparation of the equipment and instruments of the surgical dental department (office) of the polyclinic and hospital. Equipment, medical documentation of the surgical office (department).	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21</i>	according to the schedule
SST-4	Asepsis and antiseptics in surgical dentistry.	Desinfection, pre-sterilization cleaning, packaging of instruments and dressings. Quality control of pre-sterilization treatment Modern sterilization methods. Sterilization quality control. Storage of sterile instruments and dressings. Methods of antiseptic cleaning of the operating field and the surgeon's hands and the means used for this purpose.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20,</i>	according to the schedule
SST-5	Organization of work in the operating room. Types of operating room cleaning. Organization of	Instruments for examination of a surgical dental patient. Instruments for local anesthesia in dentistry. Tooth extraction Instruments. Tissue separation and joining Instruments. Criteria for selecting dental forceps.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	according to the schedule

	work in a clean dressing room. Equipment	Criteria for selection of dental elevators. Criteria for selecting a scalpel blade, needle holder, etc.	<i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	
SST-6	Methods of making napkins, tampons, gauzes. Disinfection and pre-sterilization of dressings, surgical linen and instruments	Desinfection, pre-sterilization cleaning, packaging of instruments and dressings. Quality control of pre-sterilization treatment Modern sterilization methods. Sterilization quality control. Storage of sterile instruments and dressings. Methods of antiseptic cleaning of the operating field and the surgeon's hands and the means used for this purpose	<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3 PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE 21</i>	according to the schedule
SST-7	Types of sterilization and its control. Preparation of a sterile table. Ways of spreading the infection and ways to prevent them. Prevention of socially significant infections	Modern sterilization methods. Sterilization quality control. Types of tests to check the quality of sterilization. Principles of their action. Procedure of performance. Sterile table: purpose of use, principles of preparation for interventions. Storage of sterile instruments and dressings. Socially significant infections: their nature, ways of spreading, main symptoms, features and ways of prevention. Safety rules of work with this category of the patients.	<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3 PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	according to the schedule
SST-8	Types of surgical interventions in surgical dentistry and maxillofacial surgery. Preparation of patients for operations: skin care, hair shaving, sanitation of the oral cavity, requirements for underwear and clothing of	Methods of antiseptic cleaning of surgeon's hands. Spasokukotsky-Kochergin method, cleaning of hands with pervomur (C-4 solution), cleaning of hands with Sterilium or Softaman solution. Operation field cleaning technique	<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3 PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20,</i>	according to the schedule

	patients, nutrition, medical manipulations		<i>PRE21</i>	
SST-9	Types of surgical interventions in surgical dentistry and maxillofacial surgery. Preparation of patients for operations: skin care, hair shaving, sanitation of the oral cavity, requirements for underwear and clothing of patients, nutrition, medical manipulations.	Urgent and planned surgical interventions. Features of preparation of patients for their carrying out. Septic and aseptic surgeries. Features of preparation of patients for interventions under local and general anesthesia. Hospital underwear and clothing. Nutrition of the patients.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21PRE 23</i>	according to the schedule
SST-10	Features of desmurgia in maxillofacial surgery (applying bandages on the face and neck). Types of manipulations performed in the aseptic dressing room. Types of dressings, its purpose.	Types of dressings and bandages used in surgical dentistry and maxillofacial surgery. Features of their imposition. Cotton gauze bandages, pressure bandages. Compresses.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	according to the schedule
SST-11	Basic principles of patient care in the postoperative period. Nutrition of patients in the maxillofacial department.	General principles of curation of patients in the postoperative period. Mode of work and rest in patients after surgery in the maxillofacial area. Recommendations for the nutrition of patients after oral surgery, patients with impaired masticatory function, patients with limited mouth opening or intermaxillary fixation.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 14, PRE 16, PRE 17, PRE 18, PRE19, PRE 20, PRE21, PRE23</i>	according to the schedule
SST-12	Methods of intravenous, intravenous,	Modern injection systems. General principles of injecting drugs. Intradermal, subcutaneous,	<i>Kn1, Kn2, Skl1, Skl2, Com1,</i>	according to the schedule

	subcutaneous injections. Preparation of solutions for emergency care.	intramuscular, intravenous injections. Catheterization and establishment of prevented access for infusion. Venous blood collection by modern blood collection systems.	<i>Com2, Aut1, Aut2, Aut3</i> <i>PRE 1, PRE 2, PRE 3, PRE 4, PRE 9, PRE 10, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	
SST-13	Antiseptics. Care for patients with purulent pathology. Types of antiseptics, indications for their use.	Principles of surgical interventions in patients with purulent pathology. Management of a septic wound. Types of drainage and requirements for them. The concept of antiseptics, its goals and objectives. Antiseptics used to wash purulent wounds. Drugs that help clean a purulent wound. Bandaging of patients with purulent wounds.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 10, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	according to the schedule
SST-14	Drainage of purulent wounds. Types of drainages	Principles of surgical interventions in patients with purulent pathology. Management of a septic wound. Types of drainage and requirements for them. Antiseptics used to wash purulent wounds. Drugs that help clean a purulent wound. Bandaging of patients with purulent wounds.	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i> <i>PRE 9, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	according to the schedule
SST-15	Principles of surgical interventions in patients with purulent pathology. Management of a septic wound.	Types of dressings and bandages used in surgical dentistry and maxillofacial surgery. Features of their overlay. Cotton gauze bandages, pressure bandages. Disposal of used dressings and	<i>Kn1, Kn2, Skl1, Skl2, Com1, Com2, Aut1, Aut2, Aut3</i>	according to the schedule

	Types of drainage and requirements for them. Antiseptics used to wash purulent wounds. Drugs that help clean a purulent wound. Bandaging of patients with purulent wounds.	disposable medical instruments.	<i>PRE 9, PRE 10, PRE 14, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE23</i>	
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The system of organization of practical lesson

1. Preparatory stage.

1.1 Organizational activities.

1.2 Setting learning goals and motivation. Substantiation by the head of the importance of the topic of the lesson for further study of the discipline and professional activity of the doctor in order to form motivation and purposeful educational activities. Introducing students to specific goals and lesson plan.

Educational technologies, materials of methodical support: medical documentation and equipment of the surgical dental office of the health care institution, which is the basis for the production of medical practice in surgical dentistry

1. The main stage.

Formation of professional skills and abilities. Students fill in the relevant medical documentation, practice the technique of diagnostic manipulations, treatment measures, and master practical skills in accordance with the subject.

Educational technologies, materials of methodical providing: patients of dental polyclinic, case histories, selection of results of additional methods of inspection of thematic patients, situational tasks, algorithms of performance of practical skills, models, tools, thematic video materials.

2. Final stage.

2.1 Control and correction of the level of professional skills and abilities using the demonstration of practical skills or abilities. Display the assessment of practical skills acquisition by the student in the practice diary.

2.2 Summarizing the lesson.

2.3 Homework. Informing students about the topic of the next lesson. Recommended literature.

Innovative methods and technologies used in the educational process

Discipline	Names of pedagogical technologies and innovative teaching methods
Nursing practice in the surgical department of the dental center	<ul style="list-style-type: none"> - Involvement of students in working with well-known electronic databases of medical information (ScienceDirect, PubMed, Panteleimon, etc.) via the Internet; - Use in the pedagogical process of an interdisciplinary approach to the study of dentistry - constant emphasis of students on the connection of the subject with the basic disciplines and related medical specialties; - Involvement of students in assisting in performing surgical interventions, online broadcasting of operations in the methodical office due to the available modern video equipment with simultaneous discussion of the performed manipulations; - Systematic examinations with students of thematic patients and discussion of clinical cases, motivation of students to compile algorithms of diagnostic and therapeutic measures under the conditions of one or another

dental pathology.

All necessary materials (methodical support, normative documents, list of questions for current and final control, list of algorithms for practical skills) are presented on the information platform of LNMU named after Danylo Halytsky MISA.

8. Verification of learning outcomes

Forms of control and assessment system are carried out in accordance with the requirements of the program of manufacturing medical practice for students of the 2nd year of the Faculty of Dentistry. The implementation of practical skills is checked daily by the Base practice manager and supervisor and endorses their implementation in the student's practice diary. The University practice manager systematically monitors the diaries of students.

The current control is carried out in accordance with specific objectives. One of the activities of students and its control by the head of the practice base is to keep a diary of manufacturing practice (see Annex 1). The diary is the main document for the period of manufacturing practice, including its defence. Students are required to keep a diary of each day during the practice. In it, in the general sequence socially useful work (issues of sanitary bulletins, writing of abstracts, carrying out of conversations in the organized collectives, etc.) is reflected.

The student must submit a daily diary for review and signature to the base practice manager.

Upon completion of the practice, the student fills out a final report on the performed work. At the end of the practice, after filling in digital and text reports, the student is issued a characteristics and review of the diary signed by the base practice manager and base practice supervisor (see Annex 1).

When writing a review of the diary the responsible person should reflect the following indicators: the level of theoretical knowledge of student, mastery of practical skills, knowledge of recipes, adherence to ethics and deontology, the student's attitude to mastering new practical skills, knowledge of medical records and diary.

The characteristics must be confirmed by the seal of the medical institution where the practice was conducted. The presence of fully completed diary with strict accordance to the instructions and confirmed by the signature of the base practice manager with the final report are mandatory for admission of students to the final lesson.

The program used the following assessment system.

Current control

The head of the practice base daily analyzes and monitors the work of students in the departments (the student should not have passes), the quality of diary, the quality of mastering the practical skills defined in the list, the application of ethics and deontology in practice. practical skills, the student describes in detail and justifies the method of conducting it to the immediate supervisor from the base of practice. After the description of the manipulation, the student may be allowed to perform it in the clinic under the supervision of the base managers.

Evaluation of current educational activities. During the assessment of mastering each topic for the current educational activity of the student, grades are set on a 4-point scale (national). This takes into account all types of work provided by the discipline program. The student should receive a grade for each practical skill for further summation and formation of points for current performance (from 72 to 120 points).

Assessment of current student performance is carried out in practical classes and recorded in the practice diary. Students are evaluated according to the criteria given in the table.

Learning outcome code	Code of the type of the lesson	Method of verifying of the learning outcomes	Enrollment criteria
<i>Kn1, Kn2, Sk11, Sk12, Com1, Com2, Aut1, Aut2, Aut3</i>	<i>IV semester: P1-P15</i>	Practical skills	- "5" points – receives a student who has given orally or in writing the proposed manipulation and thoroughly described it at a quite

<p><i>PRE 9, PRE 14, PRE 15, PRE 16, PRE 17, PRE 18, PRE 19, PRE 20, PRE 21, PRE 23</i></p>		<p>high level of theoretical and practical mastering of skills and fully demonstrated them.</p> <ul style="list-style-type: none"> - “4” points – receives a student who has given orally or in writing the proposed manipulation and gave theoretical description, admitted with insignificant mistakes. Volume demonstration of the practical skills was sufficient. - “3” points – receives a student who has given orally or in writing description of the proposed manipulation and gave theoretical description, admitted with serious mistakes. The student has demonstrated only the simplest level of performance of the practical skills. <p>Practical skills are not counted to the student, who did not set out the essence of the practical skills in written form and / or hasn't provided its adequate theoretical description. The student didn't learn practical skills during the practice.</p>
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Form of final control of academic performance - differential credit

Final control students make on the last day of practice to the commission, which includes managers of practice from the University and, if possible, from the bases of practice. A student who has 100% completed the internship program, provided reasonable answers to questions about the content of the diary, and scored the minimum number of points for the current internship (72 points), submitted a report on practice and a positive description of the general supervisor is allowed to defend the practice in the final lesson. from the practice base.

The number of points for the final lesson is set in accordance with the existing provisions from 50 to 80 points and is calculated in proportion to the percentage of correct answers to situational test tasks, where 100% corresponds to a maximum score of 80 points. documented (recorded in the practice diary, test report, student record book). Tests performed by students during the semester, individual tasks are stored at the department during the year.

The mark for the practice is entered by the University practice manager into the diary, student's index book and credit-examination information. Within three days after the end of the practice, the University practice manager submits the information to the relevant dean's office, the report on the practice - to the department of practice of the University. The practice diary is kept at the department for 1 year.

<p>General evaluation system</p>	<p>Participation in the work during the semester - 100% on a 200-point scale</p>
<p>Evaluation scales</p>	<p>Traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale</p>
<p>Conditions of admission to the final</p>	<p>The student attended all practical classes, met the requirements of the curriculum and received at least 72 points for current performance.</p>

control												
Type of final control	Methods of final control	Enrollment criteria										
Differential credit	<p>Concluding lesson of medical practice for students of the 4th year involves solving of two situational tasks, including description of theoretical and demonstration of practical skills:</p> <table border="1" data-bbox="416 412 975 920"> <tr> <td data-bbox="416 412 612 479">Practical skill 1 -</td> <td data-bbox="612 412 975 479">collecting of complaints, medical history.</td> </tr> <tr> <td data-bbox="416 479 612 613">Practical skill 2 -</td> <td data-bbox="612 479 975 613">examination of the patient, instrumental examination, interpretation of additional methods of examination.</td> </tr> <tr> <td data-bbox="416 613 612 748">Practical skill 3 -</td> <td data-bbox="612 613 975 748">setting of preliminary diagnosis, plan of treatment and filling in the appropriate documentation.</td> </tr> <tr> <td data-bbox="416 748 612 815">Practical skill 4 -</td> <td data-bbox="612 748 975 815">performing of medical manipulations.</td> </tr> <tr> <td data-bbox="416 815 612 920">Practical skill 5 -</td> <td data-bbox="612 815 975 920">appointment of postoperative treatment, recommendations.</td> </tr> </table> <p>Number of points for final lesson is charged according to the existing provision from 50 to 80 points and consists of the sum of scores for both situational tasks. The possible number of points for a situational task is from 25 to 40 and consists of an amount of points for each of the five practical skills.</p> <p>8 points – receives a student who has written the proposed manipulation and thoroughly described it at a quite high level of theoretical and practical mastering of skills and fully demonstrated them.</p> <p>7 points – receives a student who has written the proposed manipulation and gives theoretical description, admitted with insignificant mistakes. Volume demonstration of the practical skills was sufficient.</p> <p>6 points – receives a student who has written the proposed manipulation and gives theoretical description, admitted with serious mistakes. The student has demonstrated only the simplest level of performance of the practical skills.</p> <p>5 points – receives a student who has written the proposed manipulation and gives theoretical description with significant mistakes. The student was</p>	Practical skill 1 -	collecting of complaints, medical history.	Practical skill 2 -	examination of the patient, instrumental examination, interpretation of additional methods of examination.	Practical skill 3 -	setting of preliminary diagnosis, plan of treatment and filling in the appropriate documentation.	Practical skill 4 -	performing of medical manipulations.	Practical skill 5 -	appointment of postoperative treatment, recommendations.	<p>Maximum number of points - 80 Minimum number of points - 50 For enrollment, a student must receive for current academic activities at least 60% of the maximum amount of points in the discipline (120 points). Points in the discipline are ranked on the ECTS scale.</p>
Practical skill 1 -	collecting of complaints, medical history.											
Practical skill 2 -	examination of the patient, instrumental examination, interpretation of additional methods of examination.											
Practical skill 3 -	setting of preliminary diagnosis, plan of treatment and filling in the appropriate documentation.											
Practical skill 4 -	performing of medical manipulations.											
Practical skill 5 -	appointment of postoperative treatment, recommendations.											

	<p>unable to demonstrate practical skills</p> <p>Practical skills are not counted to the student, who did not set out the essence of the practical skills in written form and / or hasn't provided its adequate theoretical description. The student didn't learn practical skills during the practice.</p>	
<p>The calculation of the number of points is based on the grades received by the student on a 4-point (national) scale during the study of the discipline and the results of the final control. The grade for practice consists of the sum of points for performance by the student of practical skills which are checked by the direct head from base of practice (maximum 120 points - minimum 72 points), and points for final control which are exposed at carrying out the differentiated credit (maximum 80 points - minimum 50 points).). Points from the discipline are independently converted into both the ECTS scale and the 4-point scale.</p>		

<p>9. Policy of the course</p>
<p>During studying the discipline, the policy of academic integrity is ensured in accordance with the Law of Ukraine "On Education". Article 42 "Academic Integrity". URL: http://zakon0.rada.gov.ua/laws/show/2145-19/page3,</p> <p>Adherence to academic integrity by students involves:</p> <ul style="list-style-type: none"> • independent performance of educational tasks, tasks of current and final control of learning outcomes; • links to sources of information in the case of ideas, developments, statements, information; • personal presence at all lectures and practical classes, except for cases caused by good reasons; • providing reliable information about the results of their own educational (scientific, creative) activities, used research methods and sources of information. <p>Adherence to academic integrity by teachers involves:</p> <ul style="list-style-type: none"> • providing quality educational services; • objective evaluation of learning outcomes. • monitoring the observance of academic integrity by students; • systematic and continuous professional development through self-development and self-improvement; • compliance with internal regulations, work discipline, corporate ethics; • informing students about typical violations of academic integrity and responsibilities. <p>Teachers, researchers and educators may be held academically liable for violations of academic integrity.</p>

<p>10. Literature</p>
<p><u>Basic:</u></p> <ol style="list-style-type: none"> 1. Oral and maxillofacial surgery= Хірургічна стоматологія та щелепно-лицева хірургія. Part1: textbook for the students of stomatological faculties of higher medical education establishments of the IV level of accreditation / V. O. Malanchuk [et al.] ; ed. V. Malanchuk. – Вінниця: Нова книга, 2011 2. Oral and maxillofacial surgery= Хірургічна стоматологія та щелепно-лицева хірургія. Part2: textbook for the students of stomatological faculties of higher medical education establishments of the IV level of accreditation / V. O. Malanchuk [et al.] ; ed. V. Malanchuk. – Вінниця: Нова книга, 2011.

Additional:

11.

1. Atlas of Human Anatomy / F. Netter – 2nd ed. – New Jersey: ICON Learning Systems. – 592 p.
2. Bauml, Philips R.W., Lund M.R. Textbook of Operative Dentistry = Підручник з хірургічної стоматології.- 3-rd ed.- Philadelphia: Saunders, 1995.- 661p.
3. Kharkov L. V. Pediatric oral and maxillofacial surgery : a textbook for students of higher medical educational institutions of the III-IV levels of accreditation / L. V. Kharkov, L. M. Yakovenko, N. V. Kiselyova ; ed. by L. V. Kharkov. - Kyiv : AUS Medicine Publishing, 2015. - 103 с.
4. PETERSON'S PRINCIPLES OF ORAL AND MAXILLOFACIAL SURGERY Third Edition, Vol. 1, 2012. - 2000 p.
5. PETERSON'S PRINCIPLES OF ORAL AND MAXILLOFACIAL SURGERY Third Edition, Vol. 2, 2012. - 1772 p.
6. Pohranychna, Ch. R. Infections of the maxillofacial area : guide of lectures on oral and maxillofacial surgery for the english-medium students of the 3rd year education at dentistry faculty (spring semester) [Текст] : methodological guide / Ch. R. Pohranychna, R. Z. Ogonovsky. - Lviv, 2011.
7. Pohranychna, Ch. R. Maxillofacial oncology : guide of lectures on oral and maxillofacial surgery for the english-medium students of the 5th year education at dentistry faculty (autumn semester) [Текст] : methodological guide / Ch. R. Pohranychna, R. Z. Ogonovsky. - Lviv, 2011.
8. Timofieiev O.O. Anesthesia in Oral and Maxillofacial Surgery / O.O. Timofieiev, I.I. Fesenko. - Kyiv: OMF Publishing, 2016, 128 p.
9. Vares Ya.E., Ogonovsky R.Z., Pohranychna Ch.R. Principles of Local Dental Anaesthesia and Teeth Removal: An Illustrated Methodological Guide. – Lviv, 2007.

11. Equipment and software of the discipline / course

In order to introduce new educational technologies, implement the concept of visualization of the educational process and mastering by students the manual skills of basic dental surgical manipulations by the staff of the department during 2013-2019, the following organizational and methodological activities were carried out.

With the help of sponsorship, the use of a local computer network and modern video equipment was created and established, which provides online broadcasting of surgical interventions in classrooms, which allows students to "virtually" be in the operating room, discuss with teachers and surgeons the operation. or other surgical manipulations, etc. Based on the video footage of surgical interventions, a video library was created for demonstration during the relevant thematic classes. The video library of the department also contains advertising films with the products of the companies "Septodont" (France), "Kolapan" (Russia), "Conmet" (Russia), "Geistlich" (Switzerland), "Synthes" (Switzerland), "Ihde Dental" (Switzerland).), "VTI" (Spain), etc., the demonstration of which expands students' imagination about modern technologies in surgical dental practice. Thanks to the cooperation with the Center for Medical 3D Diagnostics (Lviv), the use of the program for decoding radiographs and computer tomograms "Point Nix" (Korea) was introduced into the educational process, which will allow students to better navigate the issues of radiological diagnostics of various surgical dental pathologies. Employees of the department created and implemented in the educational process author's computer programs for diagnostics and planning of cystectomy operations and atypical removal of lower third molars "RTG ruler" and "Xray analyzer" for which received patents of Ukraine for inventions and acts of implementation in practical medicine.

A phantom class of the Department of Surgical Dentistry and the Department of Surgical Dentistry has been created, which is equipped with modern computer and video equipment for demonstration of operations and thematic films. For demonstration and practical mastering by students of skills of carrying out local anesthetics in a maxillofacial area and operation of tooth

extraction the phantom class is provided with phantoms of the head with replaceable modules of jaws (4 pieces), collapsible models of a skull and jaws (6 pieces), sets of tools for tooth extraction, performing surgical interventions in the maxillofacial area.

To demonstrate and practice practical skills in providing care for traumatic injuries of the MFA, the phantom class is equipped with equipment and models for testing the technique of mono- and intermaxillary splinting, osteosynthesis of facial bones (3 models of the skull with imitation fractures of the upper jaw and zygomatico-orbital complex, 55 models with imitation of mandibular angle fractures, 45 models with imitation of mandibular symphysis fractures, 40 models with imitation of mandibular fractures of the mandible, 3 holders for fixing models to the work surface, Synbone, Switzerland).

In 2018, the department received a full-fledged resuscitation simulator with a control device (ONICO) for visualization and practice of emergency care skills.

Practical lessons from "Manufacturing medical practice from surgical dentistry" are provided with methodological and illustrative material, respectively. Visualization of algorithms of performance of practical skills by video presentations is provided.

12. Additional information

- responsible person at the department for practice: responsible person at the department for practice: professor Vares Ya.E., associate professor Medvid Yu.O., associate professor Pogranichna Ch.R., associate professor Krypnyk N.M., associate professor Filipyskyi A.V.
- e-mail: kaf_omfs@meduniv.lviv.ua
- practical lessons are held on clinical bases of practice in accordance with the distribution and referral of students for manufacturing medical practice from surgical dentistry.
- final control is carried out on the clinical bases of the Department of Surgical Dentistry and Maxillofacial Surgery:
Lviv, Nekrasova street, 6, Lviv Regional Clinical Hospital, Department of Maxillofacial Surgery,
Lviv, Mykolaychuka street, 9, Municipal City Clinical Hospital of Ambulance, Department of Maxillofacial Surgery,
Lviv, Pekarska street, 69B, Dental Medical Center of LNMU.
- all necessary materials (methodical support, normative documents, list of questions for current and final control, list of algorithms of practical skills, criteria for discipline assessment, schedule of consultations, etc.) are presented on the website of the department and information platform of LNMU named after Danylo Halysky MISA.

Syllabus creator

Yan Vares, DDS, Professor

Yu.O. Medvid, CMS, Associate Professor

(Signature)

Head of the Department

Yan Vares, DDS, Professor

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