Ministry of Healthcare of Ukraine
Poltava State Medical University
Department of Surgical Dentistry and Maxillofacial Surgery

«AGREED»

Guarantor of the educational-professional program “Dentistry”

_____ Olga SHESHUKOVA

“_____”__ _____2024

«APPROVED»

Chairman of the of scientific council the Dental Faculty

_____ Alla SYDOROVA

Minutes as of “__”__ _____p. №1

SYLLABUS
CLINICAL MEDICAL PRACTICE
SYLLABUS

Discipline is selective

Module 3 Clinical practice (on surgical dentistry)

level of higher education	the second (master's) level of higher education
field of knowledge	22 «Healthcare»
Specialty	221 «Dentistry»
university qualification	Master of Dentistry
professional qualification	Dentist
university and professional program	«Dentistry»
mode of study	Full time
course(s) and semester(s) of study of the discipline	IV course, VIII semester

" APPROVED"
at a meeting of the Department
of surgical dentistry and maxillofacial surgery
Head of the Department
_____ assoc. prof. Kateryna LOKES.
Minutes as of 27.08 .2024 №1

Poltava – 2024

INFORMATION ABOUT LECTURERS WHO DELIVER THE UNIVERSITY DISCIPLINE

Surname, name, patronymic of the lecturer (lecturers), scientific degree, university title	Lokes Kateryna Petrovna, Candidate of Medical Sciences, Assoc. Prof. Ivanytska Olena Serhiivna, Candidate of Medical Sciences, Assoc. Prof. Steblovsky Dmitry Valerievych, Candidate of Medical Sciences, Assoc. Prof. Lychman Vitaliy Oleksandrovych, Assistant Prof.
Profile of the lecturer (lecturers)	https://hirstom.pdmu.edu.ua/team
Contact phone	(0532) 60-77-26
E-mail:	surgstom@pdmu.edu.ua
Department page at the website of PSMU	https://hirstom.pdmu.edu.ua/

MAIN CHARACTERISTICS OF THE UNIVERSITY DISCIPLINE

The scope of the university discipline (module 3) - general:

Number of credits / hours – 2/60, of which:

Lectures (hours) – is absent

Seminar classes (hours) – is absent

Practical classes (hours) – 10

Self-directed work (hours) – 50

Type of control – Final modular control

The policy of the university discipline

The policy of the discipline is determined by the requirements that researchers and practitioners impose on students in the study of disciplines Module 3 Clinical practice (on surgical dentistry) based on university integrity measures.

Applicants for higher education are obliged to fully master the knowledge, skills, practical skills and competencies in the discipline 3 Clinical practice (on surgical dentistry), adhering to the principles of university integrity - Code of University Integrity of the PSMU (https://www.pdmu.edu. storage / department-npr / docs_links / xugb1mKV2PTYPLLu13JtfSgoV7Kpv9CzhulKT0rP.pdf)

Adherence to university integrity involves:

- Independent performance of educational tasks
- Compliance with copyright law
- Providing reliable information about the results of initial and scientific activities

Violation of university integrity is: university plagiarism, self-plagiarism, falsification, write-off, bribery. For violation of university integrity, students may be prosecuted in accordance with regulations.

The presence of higher education students in all types of classes is mandatory (except for good reasons), late for classes are not allowed!

When organizing the educational process in PSMU teachers and students act in accordance with:

Regulations on the organization of the educational process in the PSMU (https://www. pdmu.edu.ua/storage/department-npr/docs_links/it6y8Ool7e0QpuZi81UV7nX9G0xH5vTSKecxkqIy.pdf)

Description of the university discipline (summary)

Clinical practice on surgical dentistry is a discipline that allows students to master in the clinic certain dental manipulations used in the treatment of patients with inflammatory diseases, benign tumors, traumatic injuries, congenital and acquired defects of maxillofacial area. The special (professional) competencies acquired in this way are used by students in the process of treatment of stomatological patients of surgical profile. Students get acquainted with the organization and work of the surgical dental department, formation of professional skills for working with medical

documents. The educational program is also designed for students with a normative period of study.

Pre-requisites and post-requisites of the university discipline (interdisciplinary links)

Module 3 Clinical practice (on surgical dentistry) – based on previous study of human anatomy; histology, embryology and cytology, medical biology, medical chemistry, biological and bioorganic chemistry, medical physics, microbiology, virology and immunology and integrates with these disciplines, as well as in the study of propaedeutic disciplines of dental profile: propaedeutics of surgical dentistry, propaedeutics of therapeutic dentistry and pediatric therapeutic dentistry and integrates with these disciplines.

The aim and tasks of the university discipline:

The aim of industrial dental practice is mastering the main methods of diagnostics and treatment of patients, forms of working in dental institutions, the formation on the basis of knowledge of professional skills and abilities to make independent medical decisions, performing certain dental procedures used in the treatment of patients with inflammatory diseases, benign tumors, traumatic lesions, congenital and acquired defects of the maxillofacial area for the possibility of their further application in practical activities in clinic of surgical dentistry.

The aim is to consolidate practical skills within the goals defined in the educational and professional training program for the specialty 221 "Dentistry". Industrial dental practice of students of dental faculties is a consistent continuation of the educational process.

the main tasks of studying the discipline are

• To know the patient’s examination methods with surgical pathology of the maxillofacial area.

• Be able to draw up a scheme of examination of thematic patients.

• To know the features of the etiology and pathogenesis of traumatic injuries of the maxillofacial area.

• To analyze the basic principles of treatment and prevention of diseases of the maxillofacial area on an outpatient basis and in hospital.

• To know the reporting documentation of the dental surgeon.

Competences and learning outcomes in accordance with the university and professional program, the formation of which is facilitated by the discipline (integral, general, special)

In accordance with the requirements of the Standard, the discipline provides students with the acquisition of competencies:

- integral:

Ability to solve tasks and problems in the field of health care in the specialty "Dentistry" in a professional activity or in the learning process, which involves research and / or innovation.

- general:

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 English. Ability to use international Greco-Latin terms, abbreviations and clichés in professional oral and written speech.
5. Skills in the use of information and communication technologies.
6. Ability to search, process and analyze information from various sources.
7. Ability to adapt and act in a new situation.
8. Ability to identify, pose and solve problems.
9. Ability to be critical and self-critical.
10. Ability to work in a team.
11. Ability to act socially responsibly and consciously.
12. 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.
13. The ability to preserve and multiply moral, cultural, scientific values and

achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in development of society, equipment and technologies, use different types and forms of physical activity for active recreation and healthy living.

- special (professional, subject):

1. Ability to collect medical information about the patient and analyze clinical data.
2. Ability to interpret the results of laboratory and instrumental research.
3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.
4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region.
5. Ability to design the process of providing medical care: to determine the approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial region.
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 region.
7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.
8. Ability to perform medical and dental manipulations.
9. Ability to treat basic diseases of organs and tissues of the oral cavity and maxillofacial region.
10. Ability to determine tactics, methods and emergency medical care.
11. Ability to maintain regulatory medical records.
12. Processing of state, social and medical information.
13. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and thyroid gland.
14. Ability to legally support their own professional activities.

Learning outcomes of the university discipline:

upon completing their study in the university discipline, students must

know:

• Methods of patients' examination in the clinic of surgical dentistry – stages, basic and additional methods of examination;
• Examination of the temporomandibular joint (basic and additional methods);
• Indications and contraindications to the operation of typical and atypical tooth extraction.
• Local block anesthesia for the upper and lower jaw.
• Immediate, early and late complications at tooth extraction.
• Operations of root apex resection, hemisection, corona-radicular separation, root amputation and replantation.
• Dentist's role and tasks in the system of providing specialized care to patients with MFR injuries.
• Background diseases.
• Clinical manifestations, methods of diagnosis, treatment.
• Causes of injuries, its prevention, statistics of MFR injuries of peacetime and wartime, their classification.
• Fractures of the facial bones.
• Treatment of fractures of mandible and midface injures.
• Fractures of zygomatic bone and arch.
• Nasal bones fractures and cartilage damage.
• Bone regeneration.
• Concomitant damage.
• Emergency surgical dentistry and military maxillofacial surgery.
• Gunshot wounds to the face.
• Bleeding, asphyxia, shock, secondary bleeding.
• Gunshot wounds of face soft tissues, bones of the facial skeleton.
• Gunshot injuries of maxilla and mandible.

• Principles of organization of the stage-evacuation system of treatment of wounded with face damages.
• Complications of gunshot MFR wounds, their prevention and treatment.
• Thermal, chemical, radiation and combined damages to the tissues of MFR.

be able:

• To examine the patient. Make a preliminary and final diagnosis based on results of examination (clinical and laboratory).
• To propose a surgical treatment plan.
• To perform local block anesthesia for maxilla and mandible.
• To perform an operation of typical tooth extraction.
• To perform atypical tooth extraction.
• To treat a patient with early and late complications after tooth extraction.
• To examine a patient with a trauma, diagnose and prescribe treatment.
• To make soft bandages, which are used in case of soft tissue damage.
• To perform on model intradental ligation
• To make and fixate individual smooth arch bar and determine the indications for its use.
• To make and fixate individual a tire with hooks and determine the indications for its use.
• To make a tire with a spacer bend and determine the indications for its use.
• To make a tire with an inclined plane and determine the indications for its use.
• To manufacture and apply individual bandaging and determine the indications for its use.
• To read and make preliminary diagnosis on X-ray images at for such pathology:
    a) traumatic dental injury;
    b) dislocation of temporomandibular joint.
• To perform local anesthesia in MFR.
• To perform typical operation of extraction of teeth and roots.
• To provide medical aid for fainting, collapse, shock.
• To provide medical aid for patient with Quincke's edema, anaphylactic shock.

• To provide artificial respiration and external cardiac massage.

• To conduct examination of patient with a tumor, diagnose and prescribe treatment.

• To conduct puncture or take material for cytological or histological examination.

Thematic plan of lectures (by modules), specifying the basic issues, which are considered at the lecture

Seq. No.	Title of the topic	Number of hours
1	Not provided	

Thematic plan of seminar classes by modules and content modules, specifying the basic issues, which are considered at the seminar class

Seq. No.	Title of the topic	Number of hours
1	Not provided	

Thematic plan of practical classes by modules and content modules, specifying the basic issues, which are considered at the practical class

Seq. No.	Title of the topic	Number of hours
1	**The structure and organization of surgical dental care for the population of Ukraine. Patient examination methods. Algorithm for dental examination of a patient with dental surgical pathology.** *The structure and organization of surgical dental care for the population of Ukraine. Patient examination methods.*	2
2	**Dental instruments recommended for performing surgical procedures in the oral cavity. Sanitary and epidemiological requirements for the work of a dentist surgeon.** **Demonstrate the technique of local anesthesia in outpatient maxillary and mandibular surgery.** *Dental instruments recommended for performing surgical procedures in the oral cavity. Sanitary and epidemiological*	2

	requirements for the work of a dentist surgeon.	
3	**Methods of typical and atypical tooth extraction in the upper and lower jaws. Indications and contraindications. Demonstrate the technique of surgical interventions: periostotomy with subperiosteal abscess, alveolotomy, root apex resection, hemisection, corona-radicular separation.** *Methods of typical and atypical tooth extraction in the upper and lower jaws. Indications and contraindications. Demonstrate the technique of performing surgical interventions .*	2
4	**Methods of examination of a victim with a trauma of the maxillofacial region. Algorithm of actions of a dental surgeon. Methods of temporary (transport) and permanent immobilization in case of damage to the bones of the face. Drug therapy for soft tissue injuries of the maxillofacial region and bones of the facial skeleton.** *Methods of examination of a victim with a trauma of the maxillofacial region. Algorithm of actions of a dental surgeon.*	2
5	**Complications during tooth extraction (bleeding, alveolitis, alveoloneuritis). Treatment and prevention of traumatic injuries of the maxillofacial region (traumatic osteomyelitis, traumatic maxillary sinusitis, etc.).** **Algorithm of actions of a dental surgeon at an outpatient appointment. Protection of medical practice diaries** *Complications during tooth extraction (bleeding, alveolitis, alveoloneuritis). Treatment and prevention of traumatic injuries of the maxillofacial region.*	2*
	Total	10

Note: mark as * the topics, for which a positive grade must be obligatorily given.

Self-directed work

Seq. No.	Title of the topic	Number of hours
1	**Preparation for practical classes**	8
2	**Writing a diary-appendix to the clinical practice report**	8
3	**Studying the topics that are not included in the classroom plan (the list indicating the main issues to be studied)**	
3.1	**Early and late complications after tooth extraction** *Definition and justification of complications.*	8
3.2	**Organization of work and equipment in dental practice** *Definition and justification of work organization*	8
3.3	**Nosocomial infections** *Definition and justification of nosocomial infection*	
3.4	**Resuscitation principles in dental practice** *Definition and justification of resuscitation*	6
4	**Preparation for the final modular control**	8
	Total	**50**

Individual tasks:

1. Writing of abstracts from the section «Local anesthesia», «Atypical tooth extraction», «Fractures of jaws».

Student can choose the topic of the abstract independently. The abstract must be drawn up according to the structure. It is necessary to strictly follow the order of presentation of certain types of textual material, tables, formulas and illustrations.

Abstract structure:

• title page;

• content;

• introduction;

• essence of the abstract (basic part);

• results;

• list of references;

• additions (if necessary).

The list of theoretical questions for students' preparation for the final module control (defense of practice).

1. To explain the technique of apodactylar method of mandibular anesthesia.
2. To explain the technique of dactylar mandibular anesthesia.
3. To explain the technique of extraoral tuberal anesthesia.
4. To explain the technique of intraoral tuberal anesthesia.
5. To explain the technique of block palatal anesthesia.
6. To explain the technique of terminal palatal anesthesia.
7. To explain the technique of plexus anesthesia.
8. To explain the technique of terminal anesthesia for block of the middle superior alveolar nerves.
9. To explain the technique of extraoral incisive anesthesia.
10. To explain the technique of intraoral incisive anesthesia.
11. To explain the technique of extraoral infraorbital anesthesia.
12. To explain the technique of intraoral infraorbital anesthesia.
13. To explain the Vishnevsky terminal anesthesia technique.
14. To explain the technique of terminal anesthesia.
15. To explain the technique of block anesthesia of II and III branches of the trigeminal nerve by Vishnevsky method.
16. To explain the technique of anesthesia of mandibular nerve near oval foramen by subzygomatic route.
17. To explain the technique of anesthesia of the maxillary nerve by the subzygomatic-pterygoid route by S.N. Weisblatt.
18. To explain Bersche-Dubov anesthesia technique.
19. To explain Weisbrem's technique of anesthesia.
20. To explain buccal nerve anesthesia technique.
21. To explain incisive anesthesia in mandible.
22. To explain anesthesia near the mental opening by intraoral method.
23. To explain mandibular anesthesia in an extraoral way.

24. To explain torus anesthesia on the edentulous jaws.
25. To explain the technique of anesthesia at phlegmon of submandibular area.
26. To explain the technique of anesthesia at phlegmon of temporal area (middle layer).
27. To explain the technique of anesthesia at deep phlegmon of temporal area.
28. To explain the technique of anesthesia at phlegmon of parotid and masticatory space.
29. To explain the technique of anesthesia at phlegmon of the subtemporal fossa.
30. To explain the technique of anesthesia at phlegmon of the retromandibular space.
31. To explain the technique of anesthesia at abscess of tongue.
32. To explain the technique of anesthesia at phlegmon of chin.
33. To explain the technique of anesthesia at acute purulent lymphadenitis of buccal lymph node.
34. To explain the technique of anesthesia at abscess of the canine fossa.
35. To explain the technique of anesthesia at acute purulent periauricular lymphadenitis.
36. To explain the technique of anesthesia at acute purulent lymphadenitis of the submandibular area.
37. To explain the technique of anesthesia during sinusotomy.
38. To explain the technique of anesthesia at mandibular fracture.
39. To explain the technique of anesthesia at Le Fort I fracture (lower type).
40. To explain the technique of anesthesia at Le Fort II fracture (middle type).
41. To explain the technique of anesthesia at Le Fort III fracture (upper type).
42. To explain the technique of making and fixation of individual arch bars at fracture of jaws.
43. To explain the technique of anesthesia for reduction of zygomatic bone fractures.
44. To explain the technique of anesthesia at deep phlegmon of the temporal area.

List of practical skills for the final modular control

1. Demonstrate mandibular anesthesia apodactically.
2. Demonstrate mandibular anesthesia with a finger method.
3. Demonstrate tuber anesthesia by the oral method.

4. Demonstrate tuber anesthesia by intraoral method.

5. Demonstrate palatal anesthesia near palatine foramen.

6. Demonstrate palatal anesthesia.

7. Demonstrate terminal anesthesia for analgesia of the middle upper alveolar nerves.

8. Demonstrate incisional anesthesia on the maxilla extraorally.

9. Demonstrate incisional anesthesia on the maxilla intraorally.

10. Demonstrate infraorbital anesthesia by extraoral method.

11. Demonstrate block infraorbital anesthesia by intraoral method.

12. Demonstrate infraorbital anesthesia near the orbital foramen by intraoral method.

13. Demonstrate Vishnevsky's terminal anesthesia.

14. Demonstrate terminal anesthesia.

15. Demonstrate block anesthesia of the II and III branches of the trigeminal nerve by Vishnevsky method.

16. Demonstrate anesthesia near the oval foramen.

17. Demonstrate anesthesia of the maxillary nerve subzygomatic-pterygoid route by S.N. Weisblatt.

18. Demonstrate Bersche-Dubov anesthesia.

19. Demonstrate Weisbrem’s anesthesia.

20. Demonstrate anesthesia of the buccal nerve.

21. Demonstrate incisional anesthesia on the lower jaw.

22. Demonstrate anesthesia near the mental foramen by intraoral method.

23. Demonstrate mandibular anesthesia by intraoral route.

24. Demonstrate torus anesthesia on the edentulous jaws.

25. Demonstrate torus anesthesia.

26. Demonstrate anesthesia near the mental foramen by extraoral method.

27. Demonstrate apodactylar mandibular anesthesia.

28. Demonstrate dactylar mandibular anesthesia.

29. Demonstrate tuber anesthesia by the oral method.

30. Demonstrate tuber anesthesia by intraoral method.

31. Demonstrate palatal anesthesia near palatine foramen.

32. Demonstrate palatal anesthesia.

33. Demonstrate terminal anesthesia for block of the superior middle alveolar nerves.

34. Demonstrate incisional anesthesia on the maxilla extraorally.

35. Demonstrate incisional anesthesia on the maxilla intraorally.

36. Demonstrate infraorbital anesthesia by extraoral method.

37. Demonstrate block infraorbital anesthesia by intraoral method.

38. Demonstrate infraorbital anesthesia near the orbital foramen.

39. Demonstrate Vishnevsky anesthesia.

40. Demonstrate anesthesia for incision of phlegmon of the submandibular area.

41. Demonstrate the technique of anesthesia for incision of phlegmon of the temporal area (middle layer).

42. Demonstrate the technique of anesthesia for incision of deep phlegmon of the temporal area.

43. Demonstrate the technique of anesthesia for incision of phlegmon of the parotid-masticatory space.

44. Demonstrate the technique of anesthesia for incision of phlegmon of the subtemporal fossa.

45. Demonstrate the technique of anesthesia for incision phlegmon of the retromandible space.

46. Demonstrate the technique of anesthesia for incision of tongue abscess.

47. Demonstrate the technique of anesthesia at phlegmon of chin.

48. Demonstrate the technique of anesthesia at acute purulent lymphadenitis of buccal lymph node.

49. Demonstrate the technique of anesthesia at abscess of the canine fossa.

50. Demonstrate the technique of anesthesia at acute purulent periauricular lymphadenitis.

51. Demonstrate the technique of anesthesia at acute purulent lymphadenitis of the submandibular area.

52. Demonstrate the technique of anesthesia during sinusotomy.

53. Demonstrate the technique of anesthesia at mandibular fracture.

54. Demonstrate the technique of anesthesia at Le Fort I fracture (lower type).

55. Demonstrate the technique of anesthesia at Le Fort II fracture (middle type).

56. Demonstrate the technique of anesthesia at Le Fort III fracture (upper type).

57. Demonstrate the technique of making and fixation of individual arch bars at fracture of jaws.

58. Demonstrate the technique of anesthesia for reduction of zygomatic bone fractures.

59. Demonstrate the technique of anesthesia at deep phlegmon of the temporal area.

60. Demonstrate the technique of anesthesia at phlegmon of submandibular area.

61. Demonstrate the stages of reduction and fixation of zygomatic bone fragments.

62. Demonstrate the sequence of anesthesia for superficial abscesses of the maxillofacial area.

63. Demonstrate the performance of anesthesia for resection of apex of teeth roots of 11 and 21.

64. Demonstrate the sequence of fixing the fragments of the upper jaw with a splint with a reference plane.

65. Demonstrate temporary immobilization of upper jaw fragments

66. Demonstrate emergency during asphyxia.

67. Demonstrate the stages of repositioning, fixation and immobilization of bone fragments of the mandible in the presence of a tooth in the fracture fissure.

68. Demonstrate the sequence of repositioning and fixation of bone fragments of the mandible with extraoral apparatus.

69. Demonstrate the sequence of permanent immobilization of fragments of maxilla according to Faltin-Adams.

70. Demonstrate the technique of correcting anterior dislocation of the mandible.

71. Demonstrate the sequence of application of Vasiliev’s tires.

72. Demonstrate fixation of the tire with a support plane.

73. Demonstrate the stages of fixation of a tire with an inclined plane.

74. Demonstrate the fixation of the tire with a spacer bend.

75. Demonstrate the fixation of a double-jaws tire with hooks.

76. Demonstrate the fixation of smooth arch bar.

78. Demonstrate the dental wiring for temporal immobilization of fractures of jaws.

79. Demonstrate the reposition of mandible at anterior dislocation.

80. Demonstrate 11 tooth extraction.

81. Demonstrate 22 tooth extraction.
82. Demonstrate extraction of frontal teeth.
83. Demonstrate 13 tooth extraction.
84. Demonstrate atypical extraction of 13, 23.
85. Demonstrate 14 tooth extraction.
86. Demonstrate 15 tooth extraction.
87. Demonstrate 24 tooth extraction.
88. Demonstrate 16 tooth extraction.
89. Demonstrate 26 tooth extraction.
90. Demonstrate 17 tooth extraction.
91. Demonstrate 27 tooth extraction.
92. Demonstrate 18 tooth extraction.
93. Demonstrate 28 tooth extraction.
94. Demonstrate 31 tooth extraction.
95. Demonstrate 41 tooth extraction.
96. Demonstrate extraction of 42 root.
97. Demonstrate tooth root extraction 33.
98. Demonstrate tooth extraction by the roots of teeth 46 and 47.
99. Demonstrate tooth extraction at the roots of teeth 35 and 36.
100. Demonstrate tooth extraction tooth 46.
101. Demonstrate tooth extraction tooth 47.
102. Demonstrate tooth removal of tooth root 48
103. Demonstrate the stages of the operation to remove tooth 38 in its dystopia.
104. Demonstrate the removal of the incisor tooth on the upper jaw.
105. Demonstrate the removal of tooth 48 with its retention.
106. Demonstrate the removal of the tooth of the canine of the upper jaw.
107. Demonstrate tooth extraction of small molars on the right upper jaw.
108. Demonstrate tooth extraction of small molars on the left upper jaw.
109. Demonstrate molar tooth removal on the right upper jaw.
110. Demonstrate the removal of molars on maxilla.

111. Demonstrate the removal of the tooth of the third large root teeth of the mandible with the help of elevators.
112. Demonstrate the removal of the incisor tooth on the lower jaw.
113. Demonstrate the removal of the canine tooth on the lower jaw.
114. Demonstrate the removal of the premolar tooth on the left lower jaw.
115. Demonstrate the removal of the molar tooth on the lower left jaw.
116. Demonstrate the removal of a molar tooth on the lower right jaw.
117. Demonstrate tooth removal of the roots of the molars of the upper jaws.
118. Demonstrate extraction of premolars roots of maxilla.
119. Demonstrate extraction of molars roots of maxilla.
120. Demonstrate 18 tooth extraction.
121. Demonstrate 23 tooth extraction.
122. Demonstrate 13 tooth extraction.
123. Demonstrate atypical extraction of 13 tooth.
124. Demonstrate 35 tooth extraction.
125. Demonstrate 25 tooth extraction.

The form of final control of university performance

Module 3 "Clinical practice on surgical dentistry" Final modular control (PMC)

The system of continuous and final control

Forms of control and assessment system are carried out in accordance with the requirements of the program of industrial medical practice for 4th-year students of dental faculties and the Instruction on the system of assessment of students' educational activities in the credit-module system of educational process approved by the Ministry of Health of Ukraine (2005).

Assessment per module is defined as the sum of assessments of current educational activities (in points) and assessment of final module control (in points), which is set when assessing theoretical knowledge and practical skills in accordance with the list defined by the discipline program. In total, the student earns 200 points for mastering each module (credit), including 120 points for current educational activities, 80 points for the results of the module final control.

Continuous control is carried out according to the specific arms of module. One of the types of student activities and its control by the head of practice is keeping a diary of industrial practice (Appendices 1,2). Diary is basic accounting, reporting, training and legal document of the student during the passage and protection of practical training. The main requirement for registration diary is competent and accurate record keeping, strict adherence to the examination and treatment of the patient. Reductions in the description of the local status and diagnosis of the patient are allowed. Head of practice signs the diary of practical training daily basis.

After completing each module, the student fills out a final report on the work performed. After completing the internship, compiling digital and text reports, the student is issued a description and a review of the diary signed by the immediate supervisor of the internship and the chief physician. When writing a description and review should reflect the following indicators: the level of theoretical training, mastery of practical skills, knowledge of recipes, adherence to the basics of deontology and ethics, the student's attitude to mastering practical skills. The description must be certified by the seal of the medical institution where the internship was conducted. The presence of a duly completed form and certified by the signature of the head of the practice diary and the final report is mandatory for admission of the student to the final module control.

Heads of industrial practice analyze and evaluate the work of students in departments (the student should not have passes), the quality of diary, the quality of mastering practical skills identified in each module, the application of ethics and deontology in medical practice.

A student who has 100% completed the required number of practical skills, presented them in writing and provided reasonable answers to questions about the content of the diary, performed the proposed amount of health education (issue of health bulletins, interviews, essays) is allowed to defend the final module control. and as a result received a minimum of 72 points (which is 60%) out of 120 maximum points.

The final modular control of industrial dental practice of 4th year students involves the demonstration of practical skills from the list for each module and the solution of two situational problems.

The maximum number of points that a student can receive during the module control is 80, with:

- practical skills – 60 points;
- situational tasks – 20 points (10 points for each task).

The final module control is considered credited if the student scored at least 50 points. The general assessment of industrial medical practice is carried out as well as the university discipline. The internship grade is given only to students who have passed all internship modules. The number of points gained by the student from practice is defined as the arithmetic mean of the number of points from all modules (the sum of points for all modules is divided by the number of modules).

Incentive points by the decision of the University Council may be added to the number of points from the practice of students who have scientific publications or won prizes for participation in the Olympiad in the discipline among Ukrainian universities and more.

The objectivity of the assessment of students' learning activities should be checked by statistical methods (correlation coefficient between current performance and the results of the final module control).

Scheme of accrual and distribution of points received by students

Assessment of current learning activities is carried out at each practical lesson in accordance with the specific objectives of each topic. When assessing the educational activities of students use standardized methods of control: testing, structured written work, oral answers and structured algorithm of practical skills.

At mastering of each theme of modules for current educational activity, the student is graded on a four-point traditional scale.

Criteria for evaluating current learning activities:

"5" points – receives a student who has written the proposed number of manipulations and thoroughly described them at a sufficiently high theoretical level.

"4" points – receives a student who has written the proposed number of manipulations and provided them with a theoretical description, but made minor mistakes.

"3" points – receives a student who has written the proposed number of manipulations and provided them with a theoretical description, but made significant mistakes.
"2" points - receives a student who has written the proposed number of manipulations and provided them with a theoretical description, but made gross significant errors.

A student who has 100% completed the required number of practical skills, presented them in writing and provided reasonable answers to questions about the content of the diary, performed the proposed amount of health education (issue of health bulletins, interviews, essays) is allowed to defend the final module control and as a result received a minimum of 72 points (which is 60%) out of 120 maximum points.

Conversion of a grade on a traditional 4-point scale into a multi-point scale (maximum 120 points) - conversion of the total grade of current performance per module - is carried out only after the current lesson, which precedes the final module control. The conversion is performed according to the following algorithm:
- calculates the average student's grade on the traditional 4-point scale, obtained during the current classes belonging to this module (to the nearest hundredth point);
- to obtain a convertible multi-point total score of the current performance for the module, the average score obtained on the traditional 4-point scale should be multiplied by a factor of 24. Exceptions are cases where the average score on the traditional 4-point scale is 2 points. In this case, the student receives 0 points on a multi-point scale;
- the average score of current performance is calculated on the total number of classes in the module, and not on the actual number of students attended.

Conformity of the average score of the current performance on the traditional 4-point scale of the total assessment of the current performance per module

Average score for current performance (A)	Points for current success in the module (A * 24)	Points for final module control from the module (A*16)	Points for the module and / or exam (A*24 + A*16)	Category ECTS	By 4-point scale
2	48	32	80	**F FX**	**2 unsatisfactorily**
2,1	50	34	84		
2,15	52	34	86		
2,2	53	35	88		

2,25	54	36	90		
2,3	55	37	92		
2,35	56	38	94		
2,4	58	38	96		
2,45	59	39	98		
2,5	60	40	100		
2,55	61	41	102		
2,6	62	42	104		
2,65	64	42	106		
2,7	65	43	108		
2,75	66	44	110		
2,8	67	45	112		
2,85	68	46	114		
2,9	70	46	116		
2,95	71	47	118		
3	72	50	122	**E**	**3 satisfactorily**
3,05	73	50	123		
3,1	74	50	124		
3,15	76	50	126		
3,2	77	51	128		
3,25	78	52	130	**D**	
3,3	79	53	132		
3,35	80	54	134		
3,4	82	54	136		
3,45	83	55	138		
3,5	84	56	140	**C**	**4 good**
3,55	85	57	142		
3,6	86	58	144		
3,65	88	58	146		
3,7	89	59	148		
3,75	90	60	150		
3,8	91	61	152		
3,85	92	62	154		
3,9	94	62	156		
3,95	95	63	158		
4	96	64	160	**B**	
4,05	97	65	162		
4,1	98	66	164		
4,15	100	66	166		
4,2	101	67	168		
4,25	102	68	170		
4,3	103	69	172		
4,35	104	70	174		
4,4	106	70	176		
4,45	107	71	178		
4,5	108	72	180	**A**	**5 perfectly**
4,55	109	73	182		
4,6	110	74	184		

4,65	112	74	186		
4,7	113	75	188		
4,75	114	76	190		
4,8	115	77	192		
4,85	116	78	194		
4,9	118	78	196		
4,95	119	79	198		
5	120	80	200		

Assessment per module is defined as the sum of points of current educational activity and assessment of final module control (PMC) in ECTS points, which are set when assessing theoretical knowledge and practical skills in accordance with the requirements defined by the discipline program

The maximum number of ECTS points assigned to students when mastering each module (credit) - 200, including for current educational activities - 120 points (60%), according to the results of the module final control - 80 points (40%).

The final module control consists of the answer to 3 theoretical questions from the "List of questions". The preparation time for the answer is 20 minutes. The first and second questions have 25 points, the last question is evaluated with 30 points.

- Summarizing and announcing the results - 5 minutes.

- Registration of documentation - 5 minutes.

The minimum convertible sum of points of current success for all modules of all disciplines of all departments is uniform and makes 72 points.

LIST

of practical skills and tasks on clinical practice

on surgical dentistry

List of practical skills	Planned
Accepted patients, total amount	20-30
Total amount of primary patients	15
Terminal anaesthesia (Infiltration)	20
Block anaesthesia	10
Simple teeth and root extraction	15
Tapping of the subperiosteal abscesses	3
Operculotomy at pericoronitis	2
Operculectomy at the pericoronitis	1
Alveolitis treatment	5
Another kinds of manipulation	

APPENDIX TO THE REPORT

The student must fully describe 7 patients with different diagnoses in accordance with the requirements for filling out the medical record of an outpatient. With mandatory entry of the following data:

1. passport data of the patient;

2. the main complaints of the patient at the time of his application;

3. history of illness and life;

4. dental status according to the generally accepted scheme with obligatory completion of the dental formula;

5. diagnosis;

6. the treatment performed (type of anesthesia and amount of anesthetic administered, stages of the intervention, drugs that were used during the operation, appointment to the patient).

The use of abbreviations in the description of the local status and diagnosis of the patient is excluded!

Diseases recommended for description by students:

1. Chronic granulomatous periodontitis
2. Chronic granulating periodontitis
3. Chronic periodontitis in the stage of exacerbation
4. Acute purulent periostitis of the alveolar process of the jaw
5. Acute purulent alveolitis
6. Chronic periodontitis, localized / generalized form, tooth mobility III degree
7. Acute purulent pericoronaritis

Teaching methods

Verbal (explanation, narrative, conversation, instruction);

Visual (observation and clinical examination, demonstration of individual manipulations, demonstration of individual manipulations, demonstration of multimedia presentations and educational videos);

Practical (practice of practical skills in anesthesia, tooth extraction, ligature tying of teeth, applying bandages and tires on phantoms and when working with thematic patients under the guidance of teachers of the department, participation in rounds and clinical trials).

Control methods

Oral interview.

Written survey.

Testing.

Methodological support

1. Working curriculum on the subject "Industrial Dental Practice", Module 3. "Industrial Practice in Surgical Dentistry" training of specialists of the second (master's) level of higher education.
2. Thematic plans of practical classes.
3. Methodical instructions for self-directed work of students during preparation for a practical lesson.
4. Guidelines for self-directed work of students are not included in the plan of classroom work.

Recommended reading

1. Oral and maxillofacial surgery : textbook / Ed. by prof. V. Malanchuk / part one. – Vinnytsia : Nova Knyha Publishers, 2011. – 424 p. : il.
2. Oral and maxillofacial surgery: textbook /Ed. by prof. V. Malanchuk / part two. – Vinnytsia : Nova Knyha Publishers, 2011. – 288 p. : il.
3. Rybalov O.V. Clinical practice on surgical stomatology / O.V. Rybalov, D.S. Avetikov, O.S. Ivanyts'ka, I.O. Ivanyts'ky, V.M. Havryl'iev. – Poltava, 2015. – 110 p.
4. Tkachenko P.I. Propaedeutics of surgical stomatology and inflammatory diseases of maxillofacial region / P.I. Tkachenko, A.I. Pan'kevich, K.Yu. Rezvina / part one. – Poltava. – ASMI, 2011. – 284 p.
5. Tkachenko P.I. Propaedeutics of surgical stomatology and inflammatory diseases of maxillofacial region / P.I. Tkachenko, A.I. Pan'kevich, K.Yu. Rezvina / part two. – Poltava. – ASMI, 2011. – 226 p.

SUPPLEMENTARY LITERATURE

1. Emergency and urgent medical care: student training manual / За ред. Д.А. Шкурупія. – Vinnytsya: Nova knyha, 2019– 200 p.
2. Bases of dentistry : підручник / За ред. В. Маланчука. – Вінниця: Нова книга, 2012 – 616 p.
3. Using of modern methods of diagnostics in the practice of oral surgery : text-book [for english-speaking students of higher education institutions of the Ministry of health of Ukraine] / D. S. Avetikov, M. G. Skikevich, K. P. Lokes, O. M. Bojchenko ; /Poltava : [s. n.], 2018. - 122 p.
4. Periodontal and Oral Mucosa Diseases: in 2 volumes. — Volume 2: textbook (IV a. l.) / A.V. Borysenko, L.V. Lynovytska, O.F. Nesyn et al.; edited by A.V. Borysenko. – Медицина. – 2018. – 624 p.
5. Oral Surgery / Ed. by Fraiskos D. Fragiskos. – Springer-Vergal Berlin Heidelberg, 2007. – 367 p.

Information resources

1. Web source: https://pocketdentistry.com/technological-advances-in-extraction-techniques-and-outpatient-oral-surgery/
2. Web source: https://www.youtube.com/watch?v=x65o5L4cmH4
3. Web source: https://pubmed.ncbi.nlm.nih.gov/33189234/
4. Web source: https://pubmed.ncbi.nlm.nih.gov/14449393/
5. Web source: https://www.youtube.com/watch?v=VRvR4g7XHmI
6. Web source: https://www.youtube.com/watch?v=2Ll2lio4rU0
7. Web source: https://www.youtube.com/watch?v=ZCagq9LgOS8

Developers:

Lokes K.P., Candidate of Medical Sciences, Assoc. prof.

Ivanytska O. S., Candidate of Medical Sciences, Assoc. prof

Avetikov D.S., MD, prof.