

**MINISTRY OF HEALTH OF UKRAINE
VINNYTSIA NATIONAL MEDICAL UNIVERSITY
NAMED AFTER M.I. PYROGOV**

“APPROVED”

by Methodological Council
of dentistry disciplines

Protocol № 8

dated “26” 03 2025

Head of the Methodological Council

Professor of HEI

 Serhii SHUVALOV

“AGREED”

The head of the Examination

Comission № 4

dated “27” 03 2025

Professor of HEI

 Mariia SHINKARUK-DYKOVYTSKA

EXAMINATION MATERIALS

**STATION №4 “MAIN PATHOLOGICAL CONDITIONS IN THE CLINIC OF
SURGICAL DENTISTRY AND THEIR TREATMENT” OSP(C)E**

SPECIALTY

221 Dentistry

EDUCATIONAL PROGRAM

«Dentistry»

FACULTY

Faculty of Dentistry

APPENDICES TO EXAM MATERIALS

1. Instructions for students at the station (Appendix 1)
2. List of practical skills (Appendix 2)
3. Sample task (Appendix 3)
4. Regulatory documents (Appendix 4)

INSTRUCTIONS FOR STUDENTS AT STATION No. 4 " MAIN PATHOLOGICAL CONDITIONS IN THE CLINIC OF SURGICAL DENTISTRY AND THEIR TREATMENT "

THE FOLLOWING COMPETENCES ARE ASSESSED: collecting complaints and anamnesis; diagnosing the main symptoms and manifestations of emergency conditions in a dental clinic; providing emergency care in emergency conditions in a dental clinic; determining management and treatment tactics; performing medical manipulations on a standardized patient or on a mannequin.

The higher education (HE) candidate must greet and present the examiner with the identification number that was assigned during registration at the OSP(K)I. The candidate's response is videotaped at the station. The HE candidate receives a task according to a certain clinical scenario. Work at the station involves interaction with a tutor who plays the role of a standardized patient (mostly) or a medical professional, as indicated in the scenario.

Before starting communication with the tutor, the candidate is familiarized with the "Task for the student". Then, he clearly performs all the items of the "Task" according to the following scheme.

Stages of work	Instructions
Avoid focusing too much on one stage	
Objective examination	Use the information provided in the condition. Conduct the examination according to the scenario conditions. A list of symptoms to monitor is provided after the table.
Manipulation	It is performed according to the algorithm presented in a separate appendix. For different tasks, it may apply to different stages of work (objective examination, provision of emergency care).
Determining management and treatment tactics	Provide the patient with the necessary position. Name the necessary manipulations and select the means for their implementation. Offer drug treatment in the form of prescriptions, indicate the doses and method of administration of the drugs. The list of means is given after the table.
Completion of the exam	Say goodbye to the patient. Confirm the completion of the tasks.

The duration of work at the station is 8 minutes.

After completing the task or the end of the time spent at the station, return the task to the teacher, wait for the signal about the end of the time spent at the station, leave the station. After the end of the time spent at the station, the examiner does not accept a response. The examiner is an observer of your actions and does not provide instructions, does not comment or question.

After passing the first station, the student must move to another station according to the route sheet. IT IS PROHIBITED to communicate with the examiner (except in cases related to safety issues, deterioration of well-being, unforeseen circumstances, etc.), use educational and auxiliary materials, use gadgets, transmit, copy, and distribute any information related to the exam and not publicly available. If a candidate for VO violates the above norms, his/her exam is terminated, and the grade for passing the exam is given as "failed" (violation of the rules of academic integrity).

1. Palpation of lymph nodes of the maxillofacial region and neck.
2. Bimanual palpation in pathology of the maxillofacial region and neck.
3. Palpation of the exit points of the trigeminal nerve on the face.
4. Finger method of mandibular anesthesia. Technique of execution. Zone of anesthesia. Indications for use. Possible complications.
5. Fingerless method of mandibular anesthesia. Technique of execution. Zone of anesthesia. Indications for use. Possible complications.
6. Torus anesthesia. Technique of execution. Zone of anesthesia. Indications for use. Possible complications.
7. Extraoral infraorbital anesthesia. Technique of execution. Zone of anesthesia. Indications for use. Possible complications.
8. Intraoral infraorbital anesthesia. Technique. Anesthesia zone. Indications for use. Possible complications.
9. Intraoral tubercular anesthesia. Technique. Anesthesia zone. Indications for use. Possible complications.
10. Select a set of instruments for removing teeth 11, 12, 21, 22 and their roots.
11. Select a set of instruments for removing teeth 13, 23 and their roots.
12. Select a set of instruments for removing teeth 14, 15, 24, 25 and their roots.
13. Select a set of instruments for removing teeth 16, 17, 26, 27 and their roots.
14. Select a set of instruments for removing teeth 18, 28 and their roots.
15. Select a set of instruments for removing teeth 31, 32, 41, 42 and their roots.
16. Select a set of instruments for removing teeth 33, 43 and their roots.
17. Select a set of instruments for removing teeth 34, 35, 44, 45 and their roots.
18. Select a set of instruments for removing teeth 36, 37, 46, 47 and their roots.
19. Select a set of instruments for removing teeth 38, 48 and their roots.
20. Extraoral extension of abscesses and phlegmon of the infraorbital area.
21. Extraoral opening of abscesses and phlegmon of the submandibular area.
22. Intraoral opening of abscesses and phlegmon of the infraorbital area.
23. Dissection of phlegmon of the floor of the mouth.
24. Dissection of abscesses and phlegmon of the submental area.
25. Dissection of abscesses and phlegmon of the buccal area intraorally.
26. Correction of anterior acute dislocation of the lower jaw according to Hippocrates.
27. Splinting according to S.S. Tigerstedt for fractures of the jaws and teeth with a smooth splint - bracket.
28. Intermaxillary splinting according to S.S. Tigerstedt for fractures of the jaws with a splint with hook loops.
29. Intermaxillary splinting according to S.S. Tigerstedt for fractures of the jaws with a splint with an inclined plane.
30. Intermaxillary splinting according to S.S. Tigerstedt for fractures of the jaws with a splint with a spreader bend.
31. Symptom of indirect loading in fractures of the lower jaw.
32. Symptom of indirect loading in fractures of the upper jaw.

Appendix 3

SAMPLE TASKS

Question 1. Demonstrate infraorbital anesthesia. Technique, anesthesia zones and complications. When removing which teeth will you use this type of anesthesia? What other anesthesia is needed additionally?

№	Practical skills	Number of points per skill	Number of student points
Communication			
	(greetings, introductions, beginning and ending of communication)	0,25	
Formulate indications for anesthesia.		0,25	
	Acute and chronic periodontitis	0,05	
	Acute and chronic periostitis	0,05	
	For all surgical interventions on the upper jaw in the frontal region (from 15 to 25 teeth), with additional anesthesia from the palatal side	0,15	
Which nerve is anesthetized and the area of anesthesia?		0,25	
	Second branch of the trigeminal nerve	0,05	
	Middle branches of the second branch of the trigeminal nerve	0,05	
	Anterior branches of the second branch of the trigeminal nerve	0,15	
Injection site and needle direction		3,0	
	Up and back	1,5	
	Outside	1,5	
Teeth that can be removed with this anesthesia.		1,5	
	Incisors and canines of the upper jaw + additional	0,75	
	Maxillary premolars + additional	0,75	
Stages of removing one of the teeth in this area		0,75	
	Overlay, move, removal	0,25	
	Overlay, advancement, fixation, luxation, removal.	0,5	
Maximum points per station		6,0	
The amount of points the student scored			

Appendix 4

REGULATORY DOCUMENTS:

1. Surgical Dentistry / Ed. Povoroznyuk V.V. – Kyiv: Kniga Plus, 2018.
2. Maxillofacial Surgery / Ed. Ostapko V.Yu., Mykytyuk I.I. – Lviv: Galician Publishing Union, 2020.
3. Oral and Maxillofacial Surgery / Raymond J. Fonseca – 3rd ed., Elsevier, 2018.
4. Contemporary Oral and Maxillofacial Surgery / James R. Hupp, Myron R. Tucker, Edward Ellis – 7th ed., Elsevier, 2018.
1. Surgical Dentistry. Textbook / Ivanyshyn O.M., Ostapko V.Yu., Fedoriv Ya.M. – Lviv: LNMU, 2021.
1. Operative Surgery and Topographic Anatomy / Ed. Shalimova O.O. – Kyiv: Zdorovye.
2. Guidelines of the American Association of Oral and Maxillofacial Surgeons (AAOMS) – <https://www.aaoms.org>
3. Textbook of Oral and Maxillofacial Surgery / Neelima Anil Malik – 2nd ed., Jaypee Brothers, 2016.
4. Order of the Ministry of Health of Ukraine No. 1269 dated 05.06.2019 "On approval and implementation of medical and technological documents for the standardization of emergency medical care".
5. 2. Order of the Ministry of Health of Ukraine No. 1259 dated 18.07.2024 "On approval of the Standards of medical care "Cardiopulmonary resuscitation in children (basic and advanced measures)", "Cardiopulmonary resuscitation in adults (basic and advanced measures)".
6. 3. Emergencies in surgery / S.D. Khimich, M.I. Burkovsky, O.A. Viltsanyuk et al.; edited by S.D. Khimich. All-Ukrainian Specialized Publishing House "Medicine", 2025, 487p.

7. 4. Emergency conditions in surgery: a manual. / K.M. Bobak, A.I. Bobak, V.V. Kyretivt and others; edited by L.M. Kovalchuk. – Kyiv: Medicine, 2017. — 560 p.
8. 5. Protocols for providing emergency medical care at the level of advanced life support (Advanced Life Support – ALS). National textbook edited by prof. Roshchin G.G.: Kyiv, 2019 – 297 p.
9. 6. Tymofeyev O.O. Maxillofacial surgery: a textbook / O.O. Tymofeyev. - 3 ed., revised and supplemented. - K.: VSV "Medicine", 2022. - 792 p.