

Ministry of Health of Ukraine
Vinnitsa national pirogov memorial medical university
Department of Surgical Dentistry and Maxillofacial Surgery

«Agreed»

Methodical Council of the Faculty of
Dentistry
Protocol № 8
«26» 04 2023
Chairman of the Methodological Council
of the Faculty of Dentistry
Professor of HEI

 Serhii SHUVALOV

«Approved»

By the Scientific Council of VNMU

Protocol № 7
«27» 04 2023
Chairman of the Academic Council
Professor of HEI

 Viktoriia PETRUSHENKO

Instructions for the student to the station №3

«The main pathological conditions in the clinic of surgical dentistry and their treatment»

The practical component of the unified state qualification exam OSP(C)E at the Faculty of Dentistry will take place in a one-day format according to the order of the rector of VNMU №33 dated 16.04.2021 in connection with the epidemiological situation in Vinnytsia region and on the basis of the Resolution of the Cabinet of Ministers of Ukraine №2 956 dated 13 October 2020 "On amendments to the Resolution of the Cabinet of Ministers of Ukraine dated 22 July 2020 № 641 "and in order to prevent the spread of acute respiratory disease COVID-19 caused by coronavirus SARS-CoV-2, according to the order of the rector of VNMU №26 dated April 28, 2021, distance learning has been continued, so OSP (C) E-2 **will take place on the Microsoft Teams platform.**

On the day of the exam, the secretary of the State Examination Commission join the student of the group, which passes the exam according to the schedule, to the meeting of the examiner. Exam recording is included. At the station, the student must greet and introduce himself, **present a document (passport)** proving his identity to the teacher. The student acquires a practical skill or scenario, which provides to indicate the sequence of procedures, manipulations, interpret the results of examination and research, anamnestic and objective data, interpret the results of laboratory and instrumental methods of research of the patient, diagnose, determine patient management and prescribe treatment, naming group of drugs and a representative.

The duration of the station is 10 minutes. After the end of the stay at the station, the examiner does not accept the answer. Please note that the teacher is an observer of your actions and does not provide instructions, not comment or give question.

Requirements for passing the station:

- use a computer or laptop while answering;
- the answer is accepted provided the camera is on, where the student taking the exam is clearly visible, and the microphone with clear sound;
- video is recorded while working at the station.

It is forbidden to use a mobile phone and other electronic gadgets, to transmit, copy and take out any information related to the exam.

Part of OSP(C) E in surgical dentistry consists of two stations.

Station № 3 «The main pathological conditions in the clinic of surgical dentistry and their treatment».

An example of an answer to a practical skill «Demonstrate infraorbital anesthesia by intraoral access. Technique, areas of anesthesia and complications. What teeth can be removed under this anesthesia»

Questions to the task:

№	List of questions
1.	Indications for anesthesia. Anesthesia area.
2.	Position of the patient and the doctor's hands
3.	Injection site and direction of needle movement.
4.	What teeth can be removed under this anesthesia.
5.	Stages of removal of one of the teeth of this area.

Competencies that are assessed at the station:

Communicative: the ability to present oneself, to explain the purpose of communication.

Physical: mastery of the method of infraorbital anesthesia by intraoral access.

Cognitive:

- skills of using a carpule syringe;
- skills of observing the rules of asepsis and antiseptics at dental surgery.

Logistics of the station: dental unit, dental drill, skull, upper jaw, syringe, spatula or dental mirror, answer sheet, checklist.

List of situations:

- anaphylactic shock;
- fainting;
- collapse;
- epileptic seizure;
- cardiogenic shock;
- myocardial infarction;
- stroke;
- diabetic coma;
- pulmonary diseases;
- diabetes;
- obesity,
- liver disease;
- drug allergy;
- kidney disease,
- osteoporosis.

Practical skills to the first station

Question 1. Demonstrate the infraorbital anesthesia. Technique, areas of anesthesia and complications. What teeth can be extracted with this anesthesia?

Instruction-scheme when answering the question № 1:

№	The answer includes	Marks / traditional score	Marks
1.	Indications for anesthesia. Anesthesia area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Position of the patient and the doctor's hands	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Injection site and direction of needle movement.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	What teeth can be removed under this anesthesia.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Stages of removal of one of the teeth of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 2. Demonstrate the tuberosital anesthesia. Technique, areas of anesthesia and complications. What teeth can be extracted with this anesthesia?

Instruction-scheme when answering the question № 2:

№	The answer includes	Marks / traditional score	Marks
1.	Indications for anesthesia. Anesthesia area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Position of the patient and the doctor's hands	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Injection site and direction of needle movement.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	What teeth can be removed under this anesthesia.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3	

		0,59 and less / 2	
5	Stages of removal of one of the teeth of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 3. Demonstrate the torusal anesthesia. Technique, areas of anesthesia and complications. What teeth can be extracted with this anesthesia?

Instruction-scheme when answering the question № 3:

№	The answer includes	Marks / traditional score	Marks
1.	Indications for anesthesia. Anesthesia area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Position of the patient and the doctor's hands	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Injection site and direction of needle movement.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	What teeth can be removed under this anesthesia.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Stages of removal of one of the teeth of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 4. Demonstrate the mandibular anesthesia. Technique, areas of anesthesia and complications. What teeth can be extracted with this anesthesia?

Instruction-scheme when answering the question № 4:

№	The answer includes	Marks / traditional score	Marks
1.	Indications for anesthesia. Anesthesia area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Position of the patient and the doctor's hands	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Injection site and direction of needle movement.	0,93-1 / 5 0,8-0,92 / 4	

		0,6-0,79 / 3 0,59 and less / 2	
4	What teeth can be removed under this anesthesia.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Stages of removal of one of the teeth of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 5. Demonstrate the buccal anesthesia. Technique, areas of anesthesia and complications. What teeth can be extracted with this anesthesia?

Instruction-scheme when answering the question № 5:

№	The answer includes	Marks / traditional score	Marks
1.	Indications for anesthesia. Anesthesia area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Position of the patient and the doctor's hands	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Injection site and direction of needle movement.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	What teeth can be removed under this anesthesia.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Stages of removal of one of the teeth of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 6. Name and show the boundaries of the submandibular area. Methods of incision of phlegmons and abscesses of the submandibular area, complications. What teeth can lead to the inflammatory process in this area?

Instruction-scheme when answering the question № 6:

№	The answer includes	Marks / traditional score	Marks
1.	Boundaries and anatomical formations of the site	0,93-1 / 5 0,8-0,92 / 4	

		0,6-0,79 / 3 0,59 and less / 2	
2.	The main complaints and clinical manifestations of this localization. Dysfunction.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Incision of the skin, mucous membranes (rules).	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Complication. Ways of infection.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 7. Name and show the boundaries of the submental area. Methods of incision of phlegmons and abscesses of the submental area, complications. What teeth can lead to the inflammatory process in this area?

Instruction-scheme when answering the question № 7:

№	The answer includes	Marks / traditional score	Marks
1.	Boundaries and anatomical formations of the site	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	The main complaints and clinical manifestations of this localization. Dysfunction.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Incision of the skin, mucous membranes (rules).	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Complication. Ways of infection.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 8. Name and show the boundaries of the retromandibular area. Methods of incision of phlegmons and abscesses of the retromandibular area, complications. What teeth can lead to the inflammatory process in this area?

Instruction-scheme when answering the question № 8:

№	The answer includes	Marks / traditional score	Marks
1.	Boundaries and anatomical formations of the site	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	The main complaints and clinical manifestations of this localization. Dysfunction.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Incision of the skin, mucous membranes (rules).	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Complication. Ways of infection.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 9. Name and show the boundaries of the parotid area. Methods of incision of phlegmons and abscesses of the parotid area, complications. What teeth can lead to the inflammatory process in this area?

Instruction-scheme when answering the question № 9:

№	The answer includes	Marks / traditional score	Marks
1.	Boundaries and anatomical formations of the site	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	The main complaints and clinical manifestations of this localization. Dysfunction.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	

4	Incision of the skin, mucous membranes (rules).	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Complication. Ways of infection.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 10. Name and show the boundaries of the infraorbital area. Methods of incision of phlegmons and abscesses of the infraorbital area, complications. What teeth can lead to the inflammatory process in this area?

Instruction-scheme when answering the question № 10:

№	The answer includes	Marks / traditional score	Marks
1.	Boundaries and anatomical formations of the site	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	The main complaints and clinical manifestations of this localization. Dysfunction.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Incision of the skin, mucous membranes (rules).	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5	Complication. Ways of infection.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 11. Name and show the boundaries of the maxillary fracture by the lower type. Methods of treatment of this fracture, complications. What splints can be used for the reduction and fixation this fracture?

Instruction-scheme when answering the question № 11:

№	The answer includes	Marks / traditional score	Marks
1.	Anatomical formations of this area.	0,93-1 / 5	

		0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Clinical signs of fracture. Methods of conducting the symptom of indirect load.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Basic and additional research methods.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5.	Treatment. Complication.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 12. Name and show the boundaries of the maxillary fracture by the middle type. Methods of treatment of this fracture, complications. What splints can be used for the reduction and fixation of this fracture?

Instruction-scheme when answering the question № 12:

№	The answer includes	Marks / traditional score	Marks
1.	Anatomical formations of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Clinical signs of fracture. Methods of conducting the symptom of indirect load.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Basic and additional research methods.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5.	Treatment. Complication.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 13. Name and show the boundaries of the maxillary fracture by the upper type. Methods of treatment of this fracture, complications. What splints can be used for the reduction and fixation of this fracture?

Instruction-scheme when answering the question № 13:

№	The answer includes	Marks / traditional score	Marks
1.	Anatomical formations of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Clinical signs of fracture. Methods of conducting the symptom of indirect load.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Basic and additional research methods.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5.	Treatment. Complication.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 14. Name and show the displacement of the fragments in the mandibular fracture in the area of the mandibular angle on one side. Methods of treatment of this fracture, complications. What splints can be used for the reduction and fixation of this fracture.

Instruction-scheme when answering the question № 14:

№	The answer includes	Marks / traditional score	Marks
1.	Anatomical formations of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Clinical signs of fracture. Methods of conducting the symptom of indirect load.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Basic and additional research methods.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	

4	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5.	Treatment. Complication.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

Question 15. Name and show the possible displacement of the fragments in the mandibular fracture in the area of the mental foramina on both sides. Methods of treatment of this fracture, complications. What splint can be used for the reduction and fixation of this fracture.

Instruction-scheme when answering the question № 15:

№	The answer includes	Marks / traditional score	Marks
1.	Anatomical formations of this area.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
2.	Clinical signs of fracture. Methods of conducting the symptom of indirect load.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
3.	Basic and additional research methods.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
4	Differential diagnosis.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
5.	Treatment. Complication.	0,93-1 / 5 0,8-0,92 / 4 0,6-0,79 / 3 0,59 and less / 2	
At all		0-5 scores	

List of educational and methodical literature[^]

1. Peterson's Principles Of Oral & Maxillofacial Surgery, Third Edition - 2 Vol. Set (Hb) 2011
2. Atlas of Oral and Maxillofacial Surgery (Deepak Kademani, Paul Tiwana) 2015
3. Contemporary Oral and Maxillofacial Surgery (James R. Hupp DMD MD JD MBA, Myron R. Tucker DDS, Edward Ellis III DDS MS) 2018
4. Oral and Maxillofacial Surgery Review: A Study Guide (Perfect for Board Review) (Inglés) Tapa blanda – 9 Julio 2015 (Din Lam, Daniel Laskin)

5. Oral and Maxillofacial Surgery Secrets (A. Omar Abubaker DMD PhD, Din Lam DMD MD) 2015
6. Oral Surgery for Dental Students: A Quick Reference Guide 1st Edition, (Jeffrey A. Elo, Alan S. Herford) 2019
7. Surgical Approaches to the Facial Skeleton (Edward Ellis III DDS, Michael F. Zide DDS) 2018