

MINISTRY OF HEALTH OF UKRAINE
Danylo Halytskyi Lviv National Medical University

Department of Surgical Dentistry and Maxillo-facial Surgery
Head of Department –Professor Yan Vares

DIARY OF SURGICAL DENTISTRY
MEDICAL PRACTICE

Last name _____

First name _____

Year _____ Group _____

Student _____

(Full name)

undergoing surgical dentistry medical practice as an Assistant of Oral Surgeon at _____

(Clinical unit)

in _____

(city, district, region)

Practice: from ____ . ____ till ____ . ____ 20__ year.

University practice manager _____

(position, full name, signature)

Base practice manager _____

(position, full name, signature)

Base practice supervisor _____

(position, full name, signature)

Check in " ____ " _____ 20__ p.

Check out " ____ " _____ 20__ p.

A person in charge

(signature)

EXPLANATORY NOTE

Practical training is conducted in accordance with the curriculum for dentists and the program of practice on IV year of study after the winter session. The volume of medical practice in surgical dentistry is three credits (two weeks).

During the practice students carry out the duties of assistant of surgeon at the dentist offices and dental surgery offices of regional, city and district health facilities. Students work 6 hours a day for 10 days. The departments should schedule students. Immediate supervisor of students practice is the dental surgeon.

Student prior to the departure to the practice should undergo University practice manager training, receive the program and the diary of practice, reference for practice.

A student arriving at healthcare institution must submit to the Base practice manager the diary of practice, undergo safety training, and clarify the plan to practice.

During the practice the student must strictly observe internal regulations of healthcare institution.

Practical training of students is evaluated on a four-point system and taken into account when assigning scholarships along with other subjects of the curriculum.

A student who has not complied the requirements of practice and received a negative job review or failing grade in protecting report is subject to expulsion from the University.

The purpose of medical practice dental surgery is to consolidate knowledge and practical skills obtained in the discipline, the formation and development of students' professional ability to make independent decisions in the field of dental surgery. To achieve the goal formulated final objectives practices, and on their basis - specific tasks in the form of certain abilities (actions).

Final Goals of Medical Practice of Dental Surgery:

- apply the basic principles of asepsis, antisepsis and anaesthesia;
- analyze test results of a patient in the dental surgery clinic;
- identify syndrome diagnosis of the maxillofacial oncologic diseases;
- determine the character of disease treatment in the dental surgery clinic;
- identify the main syndromes and symptoms in dental surgery clinic;
- identify different clinical variants of the most prevalent, complications of diseases clinic dental surgery;
- to demonstrate the moral and ethical principles of medical specialist;
- to diagnose emergency conditions in the dental surgery clinic;
- interpret the impact of environmental factors on overall and dental health;
- provide necessary emergency care in the dental surgery clinic;
- justify and formulate preliminary clinical diagnosis in the dental surgery clinic;
- justify and formulate syndrome diagnosis in the dental surgery clinic;
- conduct a differential diagnosis in the dental surgery clinic;
- examination of the patient in the dental surgery clinic;
- to carry out surgical treatment of major dental diseases;
- set a final clinical diagnosis of major diseases in the dental surgery clinic;
- interpret etiology, pathogenesis and morphological changes at different stages of the disease, the structural basis of recovery, complications and consequences of diseases of maxillofacial area;

- interpret the general principles of treatment of patients with various defects of hard tissue, dentition and other pathology of dental - jaw system.

Specific goals:

- be able to collect and analyze patient complaints and history of inflammatory diseases, injuries and tumors of the maxillofacial area;
 - conduct the patient's examination;
 - describe radiographs of teeth and bones of the maxillofacial area;
 - set a preliminary diagnosis;
 - conduct differential diagnosis;
 - appoint additional methods of examination;
 - send a patient to consult doctors from other specialties;
 - set the final diagnosis;
 - lodging outpatients list, certificate of disability, official medical report, extract from a medical card;
 - appoint the treatment of complications after the tooth extraction (alveolitis, alveoloneuritis, neuritis and others)
 - appoint the treatment of anesthesia complications (hematoma post injective infiltrates, contractures, etc.)
 - render the emergency aid when fainting, collapse, epileptic seizures, anaphylactic shock;
 - conduct surgical treatment of chronic periodontitis (resection of the root apex, hemysection, amputation, crown-radicular separation, replantation).

PRACTICE SCHEDULE

№	Topic	Hours	Date	Done	Signature
1.	The structure and organization of surgical dental aid to population of Ukraine. Introducing the work of dental-surgeon. Identifying risk factors for major dental diseases depending on anatomical and physiological characteristics of the maxillofacial area.	6			
2	Methods of patient examination. Algorithm of dental examination in patients with surgical dental pathology. Subjective and objective methods of diagnosis.	6			
3	Dental instruments recommended to perform surgical procedures in the oral cavity. Sanitary-epidemiological requirements of dental- surgeon.	6			
4	Methods of local anesthesia in an outpatient surgical procedures on the upper and lower jaws.	6			
5	Methods of typical and atypical tooth removal on the upper and lower jaws.	6			
6	Indications and contraindications for surgery in an outpatient surgical dental practice. Methods of surgical interventions: periostotomy at subperiostal abscess, alveolotomy, resection of the root apex, hemyseccion, crown-radicular separation, extraction.	6			
7	Methods of examination of patients with tumors and tumor-like formations of the soft tissues.	6			
8	Methods of surgical interventions in patients with tumors and tumor-like formations of soft tissues.	6			
9	Postoperative treatment after the removal of tumors and tumor-like lesions of the soft tissues.	6			
10	Complications of teeth extraction (bleeding, alveolitis, alveoloneuritis). Their treatment and prevention and traumatic injuries of the maxillo-facial area (scars, traumatic ostemiyelitis, traumatic maxillary sinusitis, etc.). The algorithm of dental surgeon actions at the outpatient reception.	4			
11	Final lesson	2			

CONTENTS OF PRACTICE

Abilities and Practical Skills

1. Principles of medical ethics in surgical dental practice.
2. Modern methods and principles of health education work.
3. The main structural parts of the organization dental surgical care.
4. Subjective examination of surgical dental patient.
5. Medical documentation.
6. Objective examination of surgical dental patient.
7. Smear, imprint for cytology.
8. Puncture of inflammatory processes of maxillofacial area
9. Probing fistula, ducts of the salivary glands, removing calculus of the duct.
10. Local anesthesia in maxillofacial area (application, infiltration).
11. Conduction anesthesia in the upper jaw.
12. Conduction anesthesia in the mandible.
13. Typical tooth extraction.
14. Atypical tooth extraction.
15. Removing of impacted tooth.
16. Disclosure of subperiosteal abscess.
17. Disclosure soft tissue abscess.
18. Dissection and excision of the mucous membrane.
19. Method of removing of sequestration in limited osteomyelitis.
20. Stop bleeding after tooth extraction.
21. The closure of perforation of the maxillary sinus.
22. Surgical treatment of chronic periodontitis (resection of apex, hemisection, amputation, korono- radicular separation, replantation).
23. Surgical treatment of trauma of teeth and soft tissues of maxillofacial area
24. First aid - artificial respiration, closed cardiac massage.

Practical skills evaluation criteria:

"5" points - gets a student who outlined the proposed writing the number of manipulations and thoroughly described them at high theoretical level.

"4" points - gets a student who outlined the proposed writing the number of manipulations and gave them a theoretical description, but admitted with minor errors.

"3" points - gets student who outlined the proposed writing the number of manipulations and gave them a theoretical description, but admitted with significant errors.

A skill is not considered to be passed if the student orally or in writing outlined the proposed manipulation and / or did not provide her adequate theoretical description.

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**List of Recommended Practical Skills and Abilities at the Time of
Medical Practice of Dental Surgery**

List of Recommended Practical Skills	Amount	Done	Base manager signature
Number of worked days	10		
Admissions (total visits of patients)	30		
Among them: primary	20		
Secondary	10		
Anaesthesia:			
Conductive:			
Tuberosital	5		
Mandibular	5		
Infraorbital	5		
Mental	1-2		
Torusal	2-3		
Palatal	5		
Incisal	5		
Terminal:			
Sublingual	5		
Buccal	5		
Upper jaw	5		
Plexual	10		
Removal of teeth and roots	30		
Urgent surgery:	5-10		
periostotomy	2-3		
surgical debridement of wounds	1		
dissection of soft tissue abscesses	1-2		
mucosa incision and excision at pericoronitis	3		
extraction of impacted teeth	1-2		
Treatment of complications:	2-3		
stop bleeding, hematoma	1-3		
Alveolitis	1-2		
Planned operations:	3-5		
Assistance	2-3		
independent interventions	1-2		
Other manipulations:	6-9		
postoperative dressing	2-3		
irrigation of sockets, wounds	2-3		
removal of stitches	2-3		

Base practice manager _____

(initials, signature)

Base practice supervisor _____

(initials, signature)

**List of Abilities and Practical Skills at the Time of
Medical Practice of Surgical Dentistry**

№	Abilities and Practical Skills	Points (from 3 to 5)	Base Manager Signature
1.	Principles of medical ethics in surgical dental practice.		
2.	Modern methods and principles of health education work.		
3.	The main structural parts of the organization dental surgical care.		
4.	Subjective examination of surgical dental patient.		
5.	Medical documentation.		
6.	Objective examination of surgical dental patient.		
7.	Smear, imprint for cytology.		
8.	Puncture of inflammatory processes of maxillofacial area		
9.	Probing fistula, ducts of the salivary glands, removing calculus of the duct.		
10.	Local anesthesia in maxillofacial area (application, infiltration).		
11.	Conduction anesthesia in the upper jaw.		
12.	Conduction anesthesia in the mandible.		
13.	Typical tooth extraction.		
14.	Atypical tooth extraction.		
15.	Removing of impacted tooth.		
16.	Disclosure of subperiosteal abscess.		
17.	Disclosure soft tissue abscess.		
18.	Dissection and excision of the mucous membrane.		
19.	Method of removing of sequestration in limited osteomyelitis.		
20.	Stop bleeding after tooth extraction.		
21.	The closure of perforation of the maxillary sinus.		
22.	Surgical treatment of chronic periodontitis (resection of apex, hemisection, amputation, korono- radicular separation, replantation).		
23.	Surgical treatment of trauma of teeth and soft tissues of maxillofacial area		
24.	First aid - artificial respiration, closed cardiac massage.		
Total points for mastering practical skills (72-120):			

Note: The amount of points for mastering of practical skills is approved by a health care setting stamp

Base practice manager _____
(initials, signature)

Base practice supervisor _____
(initials, signature)

Concluding session (control credit)

Final control students make up at the last day of practice committee, comprised of leaders from the University and, were present on bases of practice.

Concluding session of medical practice students of the 4th course provides theoretical description and demonstration of skills and practical skills from the list. To make up practice on the final lesson may a student who 100% completed the program of practical training, provided reasonable answers to questions about the contents of the diary, and scored the minimum score on the ongoing practical training (72 points), presented a report on the practice and positive characteristics of general manager the base practices.

The list of questions submitted to final control:

1. Principles of medical ethics in surgical dental practice.
2. Modern methods and principles of health education work.
3. The main structural parts of the organization dental surgical care.
4. Subjective examination of surgical dental patient.
5. Medical documentation.
6. Objective examination of surgical dental patient.
7. Smear, imprint for cytology.
8. Puncture of inflammatory processes of maxillofacial area
9. Probing fistula, ducts of the salivary glands, removing calculus of the duct.
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20. Stop bleeding after tooth extraction.
21. The closure of perforation of the maxillary sinus.
22. Surgical treatment of chronic periodontitis (resection of apex, hemisection, amputation, korono-radicular separation, replantation).
23. Surgical treatment of trauma of teeth and soft tissues of maxillofacial area
24. First aid - artificial respiration, closed cardiac massage.

Evaluation criteria of the practice final control:

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:

- | | |
|---------------------|--|
| 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 - | execution of medical manipulations. |
| Practical skill 5 - | appointmentof postoperativetreatment,recommendations.. |

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.

8 points – receives student who outlined the proposed manipulation in a written form and thoroughly described it at a quite high level of theoretical and practical mastering of skills and fully demonstrated them.

7 points – receives student who outlined the proposed manipulation in written form and gives theoretical description, admitted with insignificant errors. Volume of practical skills demonstration was sufficient.

6 points – receives student who outlined the proposed manipulation in written form and gives theoretical description, admitted with serious mistakes. The student has demonstrated only the simplest level of practical skills performance.

5 points – – receives student who outlined the proposed manipulation in written form and gives theoretical description, admitted with significant mistakes. The student was unable to demonstrate practical skills

Practical skills are not credited to the student, who hasn't outlined in a written form the essence of necessary practical skills and / or hasn't provided its adequate theoretical description. The student didn't learn practical skills during the practice.

Final control

Task		Points (from 5 to 8)	Date	University manager signature
Situational task №1	Practical skill 1			
	Practical skill 2			
	Practical skill 3			
	Practical skill 4			
	Practical skill 5			
Total situational task №1				
Situational task №2	Practical skill 1			
	Practical skill 2			
	Practical skill 3			
	Practical skill 4			
	Practical skill 5			
Total situational task №2				
Total points for final control				

Points of practice is the sum of scores for fulfillment of a student's practical skills that are tested by a base practice supervisor (maximum 120 points - minimum 72 points) and points for the final control, offered during the differentiated credit (maximum 80 points - minimum 50 points).

Differentiated Credit Mark	Point	Mark	University manager signature

FORM OF THE STUDENT'S TEXT REPORT

- 1. Brief description of the clinical base (for the students).
- 2. Equipment of the clinical base with instruments and sealing materials.
- 3. Daily workload.
- 4. Relations between student and medical staff of the clinical base.
- 5. Mark, what's new student learned during the production of medical practice.
- 6. Suggestions and proposals for improvement of medical practices (for the students).

Signature of a student _____

CHARACTERISTIC

Student _____, _____ group _____ year
(name, last name)

Base practice manager _____
(initials, signature)

Base practice supervisor _____
(initials, signature)

DIARY REVIEW

Base practice manager _____
(initials, signature)

University practice manager _____
(initials, signature)

NOTE. When writing a review on the diary author should reflect the following indicators: the level of theoretical training student mastery of practical skills, knowledge of recipes, compliance with ethics and deontology foundations, the attitude of the student to learn new practical skills, knowledge of the rules of medical records and diary.

Practice Mark _____
(in words)

" _____ " _____ 20 ____ year.

University practice manager _____
(position, full name, signature)