



**CD 8.5.1 CURRICULUM DISCIPLINĂ
PENTRU STUDII UNIVERSITARE**

RED: 09
DATA: 08.09.2021

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**FACULTY OF STOMATOLOGY
STUDY PROGRAM 0911.1 STOMATOLOGY
DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY AND ORAL
IMPLANTOLOGY „ARSENIE GUȚAN”**

APPROVED

at the meeting of the Committee for Quality Assurance and Curriculum Evaluation, Faculty of Stomatology
Minutes no. 6 from 23.06.2022

Chairwoman of the Committee, PhD MD, associate professor
Stepco Elena

APPROVED

at the meeting of the Faculty Council, Faculty of Stomatology
Minutes no. 1 from 06.09.2022

Dean of the Faculty, PhD MD, associate professor
Solomon Oleg

APPROVED

at the Meeting of the Department of Oral and Maxillofacial Surgery and Oral Implantology *Arsenie Guțan*
Minutes no. 8 of 16.06.2022

Head of the Department PhD MD, associate professor
Chele Nicolae

CURRICULUM

DISCIPLINE: PRACTICAL TRAINING: ORAL AND MAXILLOFACIAL SURGERY

Integrated studies

Course type: **Compulsory discipline**

Chișinău, 2022



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I. PRELIMINARY

- **General presentation of the discipline: the place and role of the discipline in the formation of the specific professional competences / specialty training program**

„Practical training: OMF surgery” is an indispensable compartment for oral and maxillo-facial surgery.

Students training in the given discipline is done by applying in the day-to-day practice the theoretical knowledge accumulated during the 2, 3, 4 years of study at the OMF surgery department. Acquiring knowledge, through practical work, about organization of ambulatory and stationary surgical treatment is an indispensable step in the training of the dentist. Previously learned basic steps of patient examination and paraclinical examination options, treatment methods will be applied in practice to develop clinical thinking and students dexterity which is a fundamental step in the learning process. The doctor's conduct in the oral and maxillo-facial surgery room, based on the principles of asepsis, ergonomic, medical ethics, is indispensable for the development of future practitioners aiming at correct work and decreasing morbidity and mortality.

Mission of the curriculum in professional training

„Practical training: OMF surgery” is aimed to apply in practice the theoretical knowledge acquired by the students at the departments, in order to ensure effective and harmless treatment, obeying the asepsis and antisepsis rules, using qualified methods of treatment according to the modern requirements. The practical implementation of the knowledge gained within this discipline aims to develop the dexterities and clinical thinking of the students focusing on the accumulation of skills in determining the diagnosis, prophylaxis, optimal treatment methods of patients and improving their quality of life.

- **Language of teaching:** Romanian, Russian and English.
- **Beneficiaries:** IV year students, faculty of Stomatology.

II. DISCIPLINE ADMINISTRATION

Discipline code		S.08.O.102	
Discipline name		Practical training: OMF surgery	
Discipline responsible		Procopenco Olga, PhD, MD, assoc.prof. Chele Nicolae, PhD, MD, assoc.prof, Head of Chair	
Year	IV	Semester	VIII
Total number of hours:			90
Lectures		Practical work	
Seminars		Individual work	
Evaluation method	E	Number of credits	3



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III. TRAINING OBJECTIVES AT THE DISCIPLINE

- *At the level of knowledge and understanding*

- ✓ to know the role of oro-maxillo-facial surgery in social life and the importance of patient and doctor's medical education;
- ✓ to define the notion of oro-maxillo-facial surgery, its objectives and tasks;
- ✓ to know the anatomical, topographic particularities of the OMF territory;
- ✓ to understand the methods of communication with patients and collecting their anamnesis;
- ✓ to know the methods of recording the data in the patient's medical record;
- ✓ to know the peculiarities and stages of the patient's clinical examination;
- ✓ to know the peculiarities and stages of the patient's paraclinical examination;
- ✓ to know the types of radiological paraclinical investigations and their indications;
- ✓ to know the types of non-radiological paraclinical investigations and their indications;
- ✓ to know the instruments and devices required for an oro-maxillo-facial surgery;
- ✓ to know the notions of prevention;
- ✓ to know the principles of asepsis and antisepsis and their methods of application;
- ✓ to understand the role and importance of asepsis and antisepsis in oro-maxillo-facial surgery;
- ✓ to know the stages of preparing the surgeon and the patient for surgery;
- ✓ to know the steps of surgical treatment from the asepsis point of view.

- *At application level:*

- ✓ to be able to collect patients data and anamnesis;
- ✓ to be able to complete the patient's medical record and informed consent;
- ✓ to be able to find data of major importance for the diagnosis;
- ✓ to distinguish the problems that arise in the communication between doctor and patient and to solve them;
- ✓ to be able to perform the patient's clinical examination;
- ✓ to be able to determine the paraclinical examination methods required by each case;
- ✓ to be able to motivate the necessity of the chosen paraclinical examination depending on the case;
- ✓ to be able to perform loco-regional anesthesia in the OMF territory;
- ✓ to be able to properly use the dental extraction forceps and elevators;
- ✓ to be able to perform typical dental extractions;
- ✓ to be able to prepare the patient, the doctor and the operator field for surgery;

- *At the integration level:*

- ✓ to evaluate the quality of surgical treatment;
- ✓ to evaluate the type of data collection depending on the patients case (dialog, questionnaire, mixt)
- ✓ to evaluate the level of satisfaction of the patient according to various criteria;
- ✓ to distribute the necessary tools according to their purpose;
- ✓ to honor professional ethics and medical deontology;
- ✓ to understand the patient's problem with the appreciation of the examination options needed to establish a diagnosis;

IV. CONDITIONS AND REQUIREMENTS

Knowledge of ethical-moral and professional norms in relations with patient. Knowledge of the purpose and tasks of oro-maxillo-facial surgery. Knowledge of the anatomo-topographic features of the oro-max-facial territory. Knowing the organization of surgical treatment in the oro-maxillo-facial surgery department. Knowledge of the legal framework and documentation required within the oro-maxillo-facial surgery department. Knowledge of methods and stages of clinical and paraclinical examination used in oro-maxillo-



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facial surgery. Knowing the methods of prophylaxis. Knowing the instruments needed for surgical treatment. Knowledge the stages of asepsis and antisepsis. Knowing the stages of surgeon's preparation for surgery. Knowledge of the information sources necessary in the oro-maxillo-facial surgery.

V. OBJECTIVES AND CONTENT UNITS

Objectives	Content units
<i>Particularities of OMF surgery. Organizing work in the Dento-Alveolar Surgery and OMF Surgery Department.</i>	
<ul style="list-style-type: none"> ✓ to know the role of dento-alveolar and oro-maxillo-facial surgeon in modern dentistry; ✓ to explain the basic principles of the organization of surgical treatment in polyclinic and hospital; ✓ to know the requirements of organizing the surgery room/department; ✓ to know the medical documentation of the surgery department; ✓ to know the instruments necessary for the surgeon's activity; 	Tasks of the dento-alveolar and maxillo-facial surgeon. Forms of OMF surgical assistance and their contents. The basic principles of the organization of surgical treatment in polyclinic and hospital. Requirements of organizing the surgery room/department. Rules of personal hygiene, ethics and deontology. Medical documentation of the surgery department.
Patient examination in OMF surgery department.	
<ul style="list-style-type: none"> ✓ to be familiar with ethical principles and medical ethics during patients examination; ✓ to know the steps and purpose of patients examination; ✓ to be able to evaluate the general status and loco-regional status of the patient with various pathologies of the OMF. ✓ to be able to read and describe retro-alveolar X-ray, OPG, CT. ✓ filling up the patient medical record/history; 	Deontological and ethical principles in patient examination. Steps and purpose of patients examination. Examination of the general status of the patient, the correlation between the general status and the oro-maxillo-facial lesions; intraoral and extraoral examinations. Retro-alveolar X-ray, OPG, CT. Patient medical record/history.
Loco-regional anesthesia in the OMF territory.	
<ul style="list-style-type: none"> ✓ the development of hand skills in loco-regional anesthesia ; ✓ to know the indications for each type of anesthesia; ✓ performing plexus anesthesia in the maxilla and mandible; ✓ performing troncular peripheric (nerve block) anesthesia in the maxilla and mandible; ✓ knowledge of complications and their prophylaxis; 	Performing plexus anesthesia in the maxilla and mandible. Performing troncular peripheric (nerve block) anesthesia in the maxilla and mandible. Emergency medication in case of complications after anesthesia.
Performing typical dental extractions	
<ul style="list-style-type: none"> ✓ the development of hand skills at working with forceps and elevators; ✓ determination of indications and contraindications of dental extraction; ✓ extraction of single rooted teeth; 	Forceps and elevators. Auxiliary instruments for dental extraction. Surgical suture. Materials and drugs for the prophylaxis and treatment of complications during and after dental extractions.



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Objectives	Content units
<ul style="list-style-type: none">✓ extraction of multi rooted teeth;✓ suturing;✓ knowledge and prophylaxis of dental extraction complications;✓ participation in atypical extractions;	
Inflammatory process treatment.	
<ul style="list-style-type: none">✓ determination of the diagnosis and method of treatment;✓ performing / participating in the treatment of subperiosteal abscesses;✓ participation in the treatment of inflammatory processes of superficial and profound spaces of OMF territory;✓ participating in the treatment of inflammatory processes of the salivary glands;✓ participating in the treatment of inflammatory processes of the TMJ;✓ participating in the treatment of inflammatory processes of the skin and lymph nodes;✓ participating in the treatment of the OMF cysts;	Clinical and paraclinical diagnostic methods. Topographical anatomy of OMF territory. Materials, tools and medications used for treatment of the OMF inflammatory processes.
Treatment of trauma in the OMF territory.	
<ul style="list-style-type: none">✓ determination of the diagnosis and method of treatment;✓ performing / participating in the temporary immobilization in case of jaw bone fractures;✓ performing / participating in the reduction of TMJ dislocations;✓ participation in surgical and non-surgical treatment of facial bones fractures;✓ performing / participating in surgical treatment of wounds of the soft tissue.	Clinical and paraclinical diagnostic methods. Topographical anatomy of OMF territory. Materials, tools and medications used for treatment of the OMF traumas. Individual splints by ICTO. Universal splints. Interdental/intermaxillary ligatures.



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VI. PROFESIONAL SKILLS (SPECIFIC (CS) AND TRANSVERSAL (CT)) AND DISCIPLINE ENDING

Professional skills (specific) (CS)

CP1: Knowledge of the anatomo-topographic and pathophysiological features of pathological processes in the OMF territory.

CP2: Clinical and paraclinical examination of patients with OMF pathologies; performing anesthesia, dental extractions, treatment of subperiodal abscesses, temporary immobilization.

CP3: Elaboration of diagnostic plan, methods of treatment and rehabilitation of patients with inflammatory and traumatic pathologies in OMF territory; emergency treatment of inflammatory processes and OMF trauma.

CP4: Reading and describing of classical radiographs (retroalveolar, OPG) and contemporary methods of investigation (CT, MRI) to establish a diagnosis and treatment plan.

CP5: Implementation of OMF pathology prevention measures at individual level through individual training about oral hygiene methods and techniques.

CP6: Application of modern standards for performing anesthesia, dental extraction, treatment of inflammatory pathology and OMF trauma.

Transversal skills (CT)

CT1: Applying professional standards of assessment, acting according to professional ethics, and legislation. Promoting logical reasoning, practical applicability, assessment and self-assessment in decision-making.

CT2: Promoting the spirit of initiative, dialogue, cooperation, positive attitude and respect for others, empathy, altruism and continuous improvement of their own activity.

CT3: Systematically assessing personal skills, personal expectations, applying self-assessments to learned material, acquired professional skills, IT knowledge, research and communication skills, in order to deliver quality services and adapting to the dynamics of modern health care system requirements.

Discipline ending

At the end of the discipline study, the student will be able to:

- to know the basic principles, the functional structure and the organization of the surgical medical assistance in OMF department, especially in RM;
- to know the role and functions of the stomatology in the organization of healthcare;
- to promote healthy lifestyles and health education through speeches, presentations, articles etc.



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VII. STUDENT'S INDIVIDUAL WORK

Nr.	The expected product	Implementation Strategies	Evaluation criteria	Deadline
1.	Working with information sources	Read the lecture or the manual on the subject. Analyze the questions from the topic. Select additional information sources on the topic. Read the text carefully and describe the essential content. Generalizations and conclusions regarding the importance of the theme / subject.	The ability to extract the essentials. Interpretative skills. The ability to analyze and communicate the material accumulated.	During the practical training
2.	Solving situational problems	Solving case problems, arguing the conclusions at the end of each practical work. Selection of additional information, using IT technologies and additional bibliography.	The quality of solving clinical cases, the ability to understand clinical and paraclinical data.	During the practical training
3.	Evaluate basic knowledge in clinical and paraclinical examination, treatment of patients. Each student will complete the patient's medical record, organize the stages of the clinical examination and collect the anamnesis, establish the treatment plan, perform the necessary treatment. Establish indications for paraclinical investigations, arguing their need.			
3.1.	Data recording and patient history	Working with the medical record and data collected from clinical examination.	Evaluate correctness of the analysis	During the practical training
3.2.	Argumentation of radiographic examination indications.	The student should study the particularities of the radiographic examination and argue for the need to indicate each type of radiographic examination.	Evaluate the accuracy of the information described by the student.	During the practical training



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VIII. TEACHING-LEARNING-EVALUATION METHODOLOGY

✓ Teaching and learning methods used

When teaching the subject „Practical training: OMF surgery” different methods of teaching are used, oriented towards the efficient acquisition and achievement of the didactic objectives. For this discipline is used the practical work individually, under the supervision of the specialist doctor, and the teamwork with the specialist doctor. The following forms of training used in the practical work: frontal activity, individual activity, brainstorming sessions, group discussions, case simulation situations, case study.

Learning methods that are recommended are: *observation* – identifying the features of physician-patient communication; *analysis* – at the use of clinical and paraclinical examination of patients, prevention, asepsis and antisepsis treatment in OMF department; *comparison* – comparing by analysis the methods of collecting the anamnesis, the paraclinical examination methods according to their advantages and disadvantages; *developing the algorithm* – selecting important clinical information and developing the patient consultation algorithm; *simulation* – identifying and selecting the elements necessary for simulating the situations when consulting patients, formulating the conclusions and making the final decision.

✓ Applied didactic strategies / technologies (specific to the discipline)

Face-to-face, individual, brainstorming, group discussions, clinical case studies, team building, comparative analysis.

✓ Methods of assessment (including an indication of how the final mark is calculated)

Current mark: Practical training takes place for a week (30 hours) in policlinic OMF surgery departments and for two weeks (60 hours) in hospital OMF surgery department, during the fourth year of studies. At the end of each practical training, in policlinic and hospital, student will have one mark, depending on the work done, the theoretical training, the ethical-professional behavior.

Final mark: The practical training ends with a Differential Colloquium. Final mark is calculated according to the formula: average of two current marks x 0.5 + mark at the end of the semester x 0.5



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How to round up the marks at the evaluation steps

Intermediate mark grid (annual average, grades from the exam stages)	National mark system	ECTS equivalent
1,00-3,00	2	F
3,01-4,99	4	FX
5,00	5	E
5,01-5,50	5,5	
5,51-6,00	6	
6,01-6,50	6,5	D
6,51-7,00	7	
7,01-7,50	7,5	C
7,51-8,00	8	
8,01-8,50	8,5	B
8,51-8,00	9	
9,01-9,50	9,5	A
9,51-10,0	10	

Notă: Failure to attend the examination without good reason is recorded as "absent" and is equivalent to 0 (zero). The student has two opportunities to repeat the exam.