



Maxillofacial surgery and oncology

1. IMPRINT	
Academic Year	2024/2025
Department	Faculty of Medicine and Dentistry
Field of study	English Dentistry Division
Main scientific discipline	Medical sciences
Study Profile	General academic
Level of studies	Uniform MSc
Form of studies	Full-time program
Type of module/ course	Obligatory
Form of verification of learning outcomes	Completion
Educational Unit / Educational Units	Department of Cranio-Maxillofacial Surgery, Oral Surgery and Implantology, Medical University of Warsaw ul. Lindey'a 4 02-005 Warszawa, building 4 (22) 502-17-97

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2. BASIC INFORMATION

Year and semester of studies	4 th year, 8 th semester	Number of ECTS credits	3.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		8	0,3
Seminar (S)		26	1
Discussions (D)		26	1
e-learning (e-L)		0	0
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		17	0,7

3. COURSE OBJECTIVES

O1	Students train their examination skills on patients, the diagnosis of cancer, the consequences of craniofacial injuries, first aid, collecting material for histopathological examination, preventive medicine in precancerous and cancerous conditions, extractions, extraoral incision of odontogenic abscesses, performing allergic tests. Students participate in all procedures in the field of maxillofacial surgery. In the 3-week course:
O2	Students should familiarize with topics, scope and methods of treatment of patients in the clinic through active participation. Students work individually with assistants who supervise their treatment of patients.
O3	Students should get familiar with the course of work of an outpatient clinic, the general ward, the nature of medical work, documentation and movement of patients as well as with methods of taking care of patients and the organization of the Operating Room.
O4	Students should pay attention to the occurring disease entities, methods of their recognition, documentation, treatment and rehabilitation of patients after surgery.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

<p>Code and number of effect of learning in accordance with standards of learning (in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</p>	<p>Effects in time</p>
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Knowledge – Graduate* knows and understands:

F.K1.	occlusal standards at various stages of individual development and deviation from standards
F.K2.	knows and understands the mechanisms leading to organ and systemic pathologies (infectious, invasive, autoimmune, out of deficiency resistance, metabolic and genetic diseases)
F.K3.	viral, bacterial and fungal oral flora and its meaning;
F.K4.	knows the viral, bacterial and fungal flora in the oral cavity and its effect
F.K8.	Principles of conduct in the case of cyst, pre -cancerous conditions and head and neck cancers;
F.K10.	is able to diagnose and propose a treatment plan in case of cysts, precancerous conditions as well as in head and neck cancers
F.K12.	indications and contraindications for treatment with the use of implant therapy
F.K13	Basics of antibiotic therapy and anti -biotic resistance
F.K14.	knows the causes and principles of procedure in complications of diseases of the stomatognathic system
F.K16.	Principles of anesthesia in dental procedures and basic pharmacological agents;
F.K19.	knows the type and mode of basic anaesthesia in dental procedures and also the basics of pharmaceutical agents
F.K22.	knows and understands the pathomechanism effect of the oral cavity deceases on general health condition

Skills– Graduate* is able to:	
F.S1.	conduct the medical interview with the patient or the patient's family
F.S2.	conduct the physical examination of the patient
F.S3.	is able to explain and establish the nature of disorder, propose treatment and to fill in informed consent forms well as to present diagnosis and prognosis
F.S7.	determine indications to perform a certain dental procedure
F.S8.	conduct treatment of acute and chronic, dentopathy and independent inflammatory processes of inflammation of the soft tissues of the mouth, periodontal and bone of the jaws;
F.S9.	know the procedures in case of masticatory organ tissue diseases, tooth and jaw bone injuries
F.S10.	conducts the treatment of acute and chronic, tooth related and non-tooth related inflammatory processes of oral cavity soft tissues, periodontium and jaw bones
F.S11.	knows the principles of treatment in the event of general or local possible complications occurring during or after the surgical procedures

* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019, „graduate“, not student is mentioned.

5. ADDITIONAL EFFECTS OF LEARNING	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Lectures	Lecture 1	F.K.4., F.K12., F.K.16., F.K19.,

	<p>Fractures of the upper face massif- anatomy, etiology, epidemiology, types of fractures, diagnostics, treatment, complications</p> <p>Fractures of the lower face massif- anatomy, etiology, epidemiology, types of fractures, diagnostics, treatment, complications</p> <p>Lecture 2</p> <p>Head and neck infections. Inflammation - consciousness - types of inflammation, etiology, principles and methods of treatment, complications. Social dental inflammation. Directions of the spread of the inflammatory process from the plug-up area in the jaw and jaw-permanent inflammation, sub-emergency abscess, subcourse abscess, subcutaneous abscesses, space- clinical picture, differentiation. Chronic dental inflammation. Kościszczanit inflammation: acute, chronic, diagnostics and treatment. Specific inflammation: Promienica, syphilis, tuberculosis (clinical symptoms in the mouth). Complications of inflammation of the oral cavity. Jaw sinus diseases.- anatomy and physiology of maxillary sinuses, types of diseases, treatment, complications</p> <p>Lecture 3</p> <p>Oncological prevention and its importance. Providing oncology, HPV.- basic definitions, nomenclature, types of cancer, etiology, epidemiology, impact of HPV infection</p> <p>Malignant tumors of the mouth and facial part of the skull- types of cancer, etiology, epidemiology, diagnostics, treatment, prognosis.</p> <p>Cancer changes in the mouth and facial part of the skull. Mild tumors- types of cancer, etiology, epidemiology, diagnostics, treatment, prognosis.</p> <p>Lecture 4</p> <p>Depruding tumors- types of cancer, etiology, epidemiology, diagnostics, treatment, prognosis. Kościszczęk, mouth and neck cysts- types of cyst, etiology, epidemiology, diagnostician, treatment</p> <p>Lecture 5</p> <p>Basics of embryo and neck embryo. Etiopathogenesis of facial and mouth malformations, their division, types of defects, epidemiology, diagnostics, treatment.</p> <p>Complex cranial defects (ensemble, apert, Pierre Robin, Mobius, Caffey-Silverman, Parry-Romberg).</p> <p>Lecture 6</p> <p>Diagnostics and treatment of Stawówschronowo-Suching disease- anatomy, etiology, epidemiology, types of diseases, diagnostics, treatment, complications</p>	<p>F.K22.</p> <p>F.K3., F.K13.</p> <p>F.K8</p> <p>F.K8</p> <p>F.K1., F.K2</p> <p>F.K4., F.K12.,F.K14. F.K16., F.K19., F.K22.</p> <p>F.K4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K10 .</p>
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	<p>Lecture 7</p> <p>Glandular diseases- anatomy, physiology, types of diseases, etiology, epidemic logia, diagnostics, treatment, complications</p> <p>Lecture 8</p> <p>Bone reconstructions within the head and neck- types of rectification, methods and materials used for reconstruction, indications, contraindications, complications, clinical cases</p>	
Seminars	<p>S1. Organization of work in the branch and outpatient clinic output</p> <p>S2. Patients' qualifications for treatment in the Mortopage Surgery Department. Qualifications of patients for surgery- subject and subjective clinical examination, labolatory diagnostics, co-existing diseases, multi-specialist consultations</p> <p>S3. Head and neck anatomy- replay.</p> <p>S4. Craniopharynx injuries, classification of fractures of the facial part of the skull- replay</p> <p>S5. Indications and contraindications to general anesthesia.</p> <p>S6. Surgical procedure in internist persons</p> <p>S7. Conduct to the patient after a shock - assessment of the patient's condition. Sudden states. Transfusions</p> <p>S8. Skin cancers.- types of cancer, etiology, epidemiology, diagnostics, treatment, prognosis.</p> <p>S9. Carbonotive defects-types, diagnostics and treatment.</p> <p>S10. 3D planning and preparing patients for orthognathic surgery.</p>	<p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.8.</p> <p>F.K1., F.K.2</p> <p>F.K10.</p>

	<p>S11. Treatment of jaw fractures - etiology, epidemiology, symptoms, diagnostics, treatment, complications</p> <p>S 12. Preparation of the oral cavity for prosthesis, augmentation treatments, types of procedures, indications, contraindications, bite reconstruction (based on intra-metal implants).</p> <p>S 13. Disorders of potentially malicious, mouth and lips- types, etiology, diagnosis, treatment</p> <p>S 14 Crane nerve diseases - anatomy, types, etiology, diagnostics, treatment.</p> <p>S 15. Dental implantology - introduction, indications for treatment, patient qualification. Materials used for controlled tissue regeneration. Augmentation treatments, indications and qualifications of patients for procedures.</p> <p>S 16. Surgical access Test. Discussion and summary of the classes</p>	<p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.10.</p> <p>F.K10.</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p> <p>F.K.10</p> <p>F.K.4., F.K12., F.K.16., F.K19., F.K22.</p>
<p>Practical classes</p>	<p>C1- C8- Collection of medical intelligence</p> <p>C9- C17- Carrying out a physical examination and conversation with the patient about the proposed treatment of treatment, conscious consent for surgery, informing about negotiations and about possible complications resulting from therapy</p> <p>C18- C24- Planning the treatment process, taking into account the diagnostician, surgical treatment, pharmacological treatment and surgical care based on the presents presented in the ward, the possibility of passive or active participation in surgical surgery</p> <p>C24- C26- Creating the history of the disease based on cases present in the ward</p>	<p>F.S1.</p> <p>F.S2.</p> <p>F.S3., F.S7., F.S8. F.S9., F.S10.</p> <p>F.S11.</p>

7. LITERATURE

Obligatory

1. Kryst L.(red.): „Chirurgia Szczękowo-Twarzowa”. PZWL: Warszawa 1999, 2007.
2. Chirurgia Szczękowo-Twarzowa. Red. S. Bartkowski, AM Kraków 1996.
3. Kaczmarzyk T., Stypułkowska J., Tomaszewska R., Czopek J. „Nowotwory zębopochodne i guzy nowotworopodobne kości szczękowych”. Wydawnictwo Kwintesencja Warszawa 2009.
4. Kaczmarzyk T., Jadwiga Stypułkowska, Romana Tomaszewska: Torbiele obszaru szczękowo-twarzowego, Wydawnictwo Kwintesencja sp z o. o., Warszawa 2015.
5. Zapała J., Grażyna Wysznińska-Pawelec Wybrane zagadnienia z onkologii głowy i szyi, Podręcznik dla lekarzy i studentów, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2017, wyd.1
6. Kaczmarzyk T., Aleksandra Goszcz, Lilia Grodzińska, Jadwiga Stypułkowska, Jarosław Woron, Małgorzata Zaleska „Współczesna farmakoterapia w schorzeniach chirurgicznych jamy ustnej i tkanek okolicznych. Podręcznik dla studentów i lekarzy”, Wydawnictwo Uniwersytetu Jagiellońskiego, 2006

Supplementary

1. Łasiński W. – „Anatomia głowy i szyi” Wydawnictwo Lekarskie PZWL Warszawa 1990.
2. Krzakowski Maciej, Krzysztof Warzocha (red.): Zalecenia postępowania diagnostyczno-terapeutycznego w nowotworach złośliwych – 2013 rok t. I, Wydawnictwo Viamedica, Gdańsk 2013.
3. Młosek K. Radiologia Stomatologiczna i Szczękowo-Twarzowa..
4. Whites E. Podstawy radiologii stomatologicznej..
5. Dominiak M., J. Zapała, T. Gedrange Podstawy Chirurgii Stomatologicznej. 2013
6. Czasopisma: Czasopismo Stomatologiczne, Protetyka Stomatologiczna i inne.

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
F.S1. F.S2. F.S3. F.S7. F.S8. F.S9. F.S10. F.S11. F.S12. F.K1. F.K2. F.K3. F.K4. F.K8. F.K10. F.K12. F.K13. F.K14. F.K16. F.K19. F.K22.	Attendance at all exercises is obligatory. In the case of absence, please arrange a date and form of assessment with the supervising assistant. Grade after practical classes is obtained on the basis of active participation during classes and a test consisting of 25 questions, each question contains 4 distractors and 1 correct answer. Grade is a component of the final grade obtained on the V year.	Presence on the seminars. Active participation in practical classes. Practical classes report. 60% of test to pass Grade Criteria 2.0 (failed) <13 pts 3.0 (satisfactory) 13-16 pts 3.5 (rather good) 17-19 pts 4.0 (good) 20-21 pts 4.5 (more than good) 22-23 pts 5.0 (very good) 24-25 pts

9. ADDITIONAL INFORMATION

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ATTENTION

The final 10 minutes of the last class in the block/semester/year should be allocated to students'
Survey of Evaluation of Classes and Academic Teachers