ORAL SURGERY

1. IMPRINT

Academic Year	2026/2027
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 *(and address / addresses of unit / units)*	**Department of Oral Surgery** Medical University of Warsaw Faculty of Dental Medicine Binieckiego 6 Street 02-097 Warsaw, UCS, floor I Phone No. (22) 116 64 41 Email: zcs1@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	**Prof. Maciej Czerniuk, PhD, DDS** **e-mail: maciej.czerniuk@wum.edu.pl**
Course coordinator	**Assoc. Prof. Maciej Czerniuk, PhD, DDS** **e-mail: maciej.czerniuk@wum.edu.pl** **Michał Oszwałdowski, DDS**
Person responsible for syllabus	**Michał Oszwałdowski, DDS** e-mail: michal.oszwaldowski@wum.edu.pl
Teachers	Prof Maciej Czerniuk, PhD, DDS e-mail: maciej.czerniuk@wum.edu.pl Prof. Andrzej Wojtowicz, PhD, DDS e-mail: andrzej.wojtowicz@wum.edu.pl Krzysztof Kukuła, PhD, DDS e-mail: krzysztof.kukula@wum.edu.pl Marcin Adamiec, PhD, DDS e-mail: marcin.adamiec@wum.edu.pl Michał Oszwałdowski, DDS e-mail: michal.oszwaldowski@wum.edu.pl Rafał Wojda, DDS e-mail: rafał.wojda@wum.edu.pl Jakub Kołodziejek, DDS e-mail: Jakub.kolodziejek@wum.edu.pl Michał Makuch, DDS e-mail: michal.makuch@wum.edu.pl Adam Jakimiak, DDS e-mail: adam.jakimiak@wum.edu.pl Paweł Aleksandrowicz, PhD e-mail: pawel.aleksandrowicz@wum.edu.pl Damian Koseski, DDS e-mail: damian.koseski@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	Year IV, semester VII and VIII	**Number of ECTS credits**	6
FORMS OF CLASSES	**Number**	**ECTS credits calculation**	

Contacting hours with academic teacher	**of hours**	
Lecture (L)	12 (on-line e-learning)	0,4
Seminar (S)	20	0,6
Discussions (D)	87	2,9
e-learning (e-L)	0	0
Practical classes (PC)	0	0
Work placement (WP)	0	0
Unassisted student's work		
Preparation for classes and completions	63	2,1

3. COURSE OBJECTIVES

C1	Acquiring knowledge enabling the recognition and differentiation of pathologies within the oral cavity in the field of dental surgery.
C2	Acquiring the skills enabling the recognition and differentiation of pathologies within the oral cavity in the field of dental surgery.
C3	Gaining the knowledge and skills allowing for independent performance of basic preventive and therapeutic treatments of oral cavity diseases in the field of dental surgery and keeping medical records.
C4	Acquiring skills required to determine about referring a patient for treatment to the Department of Cranio-Maxillofacial Surgery and related specialties.

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

Code and number of effects of learning in accordance with standards of learning.	**Effects in the field of:**
Knowledge – Graduate* knows and understands:	
F.W4	symptoms, course and management in selected diseases of the oral cavity, head and neck, considering age groups;
F.W6	principles of management in the case of diseases of the periapical tissues;

F.W8	principles of management in the case of cysts, precancerous conditions and head and neck cancers;
F.W10	indications and contraindications for treatment with the use of dental implants;
F.W13	principles of antibiotic therapy and antibiotic resistance;
F.W15	therapeutic methods for reducing and relieving pain and reducing anxiety and stress;
F.W16	principles of anesthesia in dental procedures and basic pharmacological agents;
F.W19	pathomechanism of the influence of oral cavity diseases on general health;
F.W20	pathomechanism of the impact of general diseases or therapies on the oral cavity;
F.W23	the specificity of dental care for a patient burdened with a general disease and the principles of cooperation with the physician in charge of the underlying disease.
Skills– Graduate* is able to:	
F.U1	conduct a medical interview with the patient or his family;
F.U2	conduct a dental physical examination of the patient;
F.U3	explain to the patient the essence of his ailments, establish the treatment method confirmed by the patient's informed consent and the prognosis;
F.U4	provide the patient or his family with information about an unfavorable prognosis;
F.U5	collect and preserve material for diagnostic tests, including cytological tests;
F.U6	interpret the results of additional tests and consultations;
F.U7	determine indications and contraindications for a specific dental procedure;
F.U8	conduct treatment of acute and chronic, odontogenic and non-odontogenic inflammatory processes within soft tissues of the oral cavity, periodontium and jaws;
F.U9	proceed in the event of general and local complications during and after dental procedures;
F.U10	prescribe medications, considering their interactions and side effects;
F.U11	keep current patient records, prescribe referrals for tests or for a specialized dental and medical treatment;
F.U12	formulate research problems in the field of dentistry;
F.U13	present selected medical problems in oral or written form, in a manner adequate to the level of recipients;
F.U15	establish treatment in diseases of the stomatognathic system tissues;
F.U16	use appropriate medications during and after dental surgery to relieve pain and anxiety;

** 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 *(non-compulsory)*

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	L1 - Lecture 1 Introduction to oncology, HPV (Oncogenic factors, precancerous conditions, pre-invasive cancer. Mechanism of growth of tumors at the level of cells and tissues. Effect of viruses on oncogenesis). Real-time e-learning format.	F.W.4, F.W.8
	L2 - Lecture 2 Management of odontogenic tumors and dental abnormalities (Classification and differentiation of odontogenic tumors. Clinical picture, diagnosis, and treatment. Developmental disorders of teeth, indications for tooth extraction). Real-time e-learning format .	F.W.4, F.W.8
	L3 - Lecture 3 Peri-implantitis as a Multifactorial Disease: From Clinical Diagnosis to Treatment Planning (Definition of the disease, etiopathogenesis of local and systemic factors, clinical manifestations, diagnostic procedures, and possible treatment strategies.) Real-time e-learning format	F.W.4, F.W.10, F.W.13 , F.W.16, F.W.15, F.W.19, F.W.20
	L4 - Lecture 4 Maxillary sinus diseases. (Anatomy and physiology of the paranasal sinuses. Inflammation and odontogenic causes. Diagnostics and treatment. Causes and methods of treatment of the oroantral communication. Cysts and tumors of the maxillary sinus.) Real-time e-learning format	F.W.4, F.W.8., F.W.10, F.W13

	L5 - Lecture 5 Application of novel solutions in implant and regenerative procedures in oral surgery. (The basics of implantology, types of dental implants. The term osseointegration. The use of tissue engineering achievements in tissue regeneration. The use of bone substitute materials in the treatment of bone defects.) Real-time e-learning format	F.W. 10
	L6 - Lecture 6 Cysts of the jaws, diagnostics, management. (Classification of maxillary cysts, odontogenic and non-odontogenic cysts. Cyst growth mechanism. Diagnostics and treatment).Real-time e-learning format	F.W.4, F.W.6, F.W.8
seminars	S1. Inflammation - general information, types of inflammation (General information on the pathophysiology of inflammation, definition, clinical symptoms, appearance of tissue changes. Acute and chronic, specific, non-specific, limited, diffuse, primary and secondary inflammations. Dental and non-odontogenic.)	F.W.4, F.W.13, F.W.19, F.W.20, F.W.23
	S2. Odontogenic inflammations (non-specific). Routes of infection spread from the periapical region in the mandible and maxilla - periodontal ligament inflammation, periostitis, subperiosteal abscess, submucosal abscess, subcutaneous abscesses, involvement of spaces - clinical presentation, differentiation. (Topography of anatomical spaces, pathways of inflammation spread. Definition of abscess, empyema, inflammatory infiltrate, phlegmon. Diagnostics and treatment.)	F.W.4, F.W.13, F.W.19, F.W.20, F.W.23
	S3. Abscesses of interfacial spaces, routes of spread, diagnosis, management. (Topography of anatomical spaces, pathways of inflammation spread. Definition of abscess, empyema, inflammatory infiltrate, phlegmon. Diagnostics and treatment.)	F.W.4, F.W.13, F.W.19, F.W.20, F.W.23
	S4. Osteomyelitis of the jaws: acute, chronic, diagnosis and management. Complications of inflammation of the oral cavity. (Causes of osteitis, clinical picture, methods of treatment of acute and chronic osteitis. Effect of radio and chemotherapy on the formation of osteitis.)	F.W.4, F.W.13, F.W.19, F.W.20, F.W.23
	S5. Specific infections: actinomycosis, syphilis, tuberculosis (clinical symptoms in the oral cavity). Complications of oral inflammation. (Causes and clinical picture of specific inflammations. Diagnostics and treatment methods.	F.W.4, F.W.13, F.W.19, F.W.20, F.W.23
	S6. Test	
	S7. The role of the surgeon in preparing the patient for orthodontic treatment. (Orthodontic indications for tooth extraction. When to perform procedures. Exposing impacted teeth. Germectomy procedure.)	F.W. 4
	S8. Oroantral Communication: Etiology, Diagnosis, and Treatment	F.W.4, F.W.8., F.W.10, F.W.13
	S9. Surgical preparation of the oral cavity for prosthesis. (Discussion of surgical procedures performed in hard and soft tissues. Tissue corrective procedures, tissue regeneration. Reconstruction of the ridge in horizontal and vertical dimensions. Soft tissue management.)	F.W.4, F.W.10, F.W.23
	S10. Materials in guided tissue regeneration. Augmentation procedures, indications, and patient selection.	

	(What is the Lynch triad. Classification of bone substitutes, barrier membranes. Resorbable and non-resorbable materials. Use of growth factors and stem cells for guided bone regeneration.)	F.W.10, F.W.23
	S 11 Test	
	S.12 Augmentation procedures, indications and patient selection, presentation of cases.	F.W.10, F.W.23
	S13. Primary and permanent tooth trauma indications, treatment techniques. Impacted supernumerary teeth. (Classification of injuries according to Andreasen. Orthopedic and surgical treatment methods. Management of dislocated teeth. Dental replantation procedures.)	F.W.4, F.W.13, F.W.15, F.W.16
	S14. Surgical removal of impacted and supernumerary teeth (indications, surgical techniques). (Classification of impacted teeth. Differentiation of partially and fully impacted, non-erupted teeth)	F.W.4, F.W.8, F.W.13, F.W.15, F.W.16, F.W.19
	S15. Soft tissue cysts of the oral cavity, face and neck: epidermoid, dermoid, salivary, lateral and medial of the neck. Cyst treatment methods. (Mucocele and developmental cysts mechanism of formation, image clinical, diagnosis, treatment.)	F.W. 8
	S16. Oral implantology – introduction, indications, patient selection. (Discussion of implantological techniques. Immediate, early, and delayed implantation. Indications and contraindications, local and general.)	F.W.10, F.W.23
	S17 Test	
	S18. Premalignant lesions: diagnosis, management (presentation of clinical cases). (Definition of the precancerous state, tissue appearance, clinical picture. Methods of early cancer detection.)	F.W4, F.W8
	S19. Neoplasms of the oral cavity - introduction, types of neoplasia, sample collection for histopathologic evaluation. (Discussion of the basic groups of neoplasms of epithelial and connective tissue origin. Presentation of the clinical classification of TNM. Discussion of the mechanism of growth and spread of head and neck tumors. Principles of collecting and storing tissue material for examination.)	F.W.4, F.W.8, F.W.20, F.W.23
	S20. Apicoectomy (indications, contraindications, surgical techniques). Short test. (Mechanism of periapical lesions formation. Discussion treatments, peri-procedure procedures, tissue healing process, prognosis.)	F.W.4, F.W.8, F.W.16
	S21. Odontogenic tumours (etiopathogenesis, types, diagnosis, management, differentiation). (Classification of odontogenic tumors true neoplasms and hamartomatous changes, incidence, clinical picture)	F.W.4, F.W.8
	S22. Tumour-like lesions of the jaws: epulides, central granulomas, fibrous dysplasia, cherubism. Lesions of the jaws in other diseases (histiocytosis, Langerhans cell histiocytosis). (Differentiation of hyperplastic and hyperplastic lesions from tumors cancerous. Clinical picture, diagnosis and treatment.)	F.W.4, F.W.8, F.W.23
	S 23. Test on the subject of seminars and lectures.	

Practical classes	**PC - practical classes**	
	PC1. Clinical aspects and instruments used in atraumatic tooth extraction.	F.U.7, F.U.11
	PC2. Clinical management in the event of intraoperative complications	F.U.9, F.U.16
	PC3. Incision of intraoral abscesses	F.U.8, F.U.15
	PC4. Incision of extraoral abscesses	F.U.8, F.U.15
	PC5. Dry socket	F.U.8, F.U.15
	PC6. Alveolar inflammation	F.U.8, F.U.15
	PC7. Pathways of spreading odontogenic inflammation between anatomical spaces - clinical aspects	F.U.1, F.U.2, F.U.3, F.U.7, F.U.9
	PC8. Differentiation of the spread of odontogenic inflammation based on the medical history and clinical examination	F.U.12
	PC9. Management of oro-antral communication and providing indications after oro-antral communication closure.	F.U.1, F.U.2, F.U.3, F.U.7, F.U.9, F.U.12
	PC10. The use of antibiotics, including their interactions and side effects	F.U.9,F.U.16
	PC11. Use of NSAIDs including their interactions and side effects	F.U.9, F.U.16
	PC12. Clinical assessment of the healing process of open and closed wounds	F.U.8
	PC13. Types of surgical sutures and their application - practical use of materials	F.U.9
	PC14. Pre-prosthetic surgery – treatments on soft tissues	F.U. 3, F.U.12, F.U.13
	PC15. Pre-prosthetic surgery - treatments on hard tissues	F.U.3, F.U.12, F.U.13
	PC16. Odontogenic diseases of the maxillary sinuses - clinical impact	F.U.8, F.U.9
	PC17. Differentiation of changes in the maxillary sinuses - assessment of additional tests	F.U.1, F.U.2, F.U.3, F.U.4
	PC18. Examination of the temporomandibular joint	F.U.8
	PC19. Inflammatory conditions of the temporomandibular joint	F.U.8
	PC20. Methods of treating inflammation of the temporomandibular joint	F.U.1, F.U.2, F.U.12
	PC21. Types of neuralgia and their differentiation	F.U.1, F.U.2, F.U.6, F.U.12
	PC22. Provocative tests performed in the diagnosis of neuralgia	F.U.1, F.U.2, F.U.6, F.U.12
	PC23. Diagnosis and differentiation of craniofacial pain	F.U.12, F.U.15
	PC24. Clinical aspects of root tip resection	F.U.9, F.U.10, F.U.16
	PC25. Proceedings in the case of inferior alveolar nerve palsy	F.U.9, F.U.10, F.U.16

	PC26. Management in case of heavy bleeding during the procedure PC27.Management of post-extraction bleeding PC28. Management of the root apex fracture PC29. Management in the case of emergencies in the dental office - clinical aspects PC30. Practical learning of collecting material for histopathological examination	F.U.9, F.U.10, F.U.16 F.U.9, F.U.10, F.U.16 F.U.9, F.U.10, F.U.16 F.U.9, F.U.10, F.U.16 F.U.5

7. LITERATURE

Obligatory

1. James R. Hupp, Myron R. Tucker, Edward Ellis, III: Contemporary Oral and Maxillofacial Surgery. Mosby 2013; 6th edition
2. Karl R. Koerner: Manual of Minor Oral Surgery for the General Dentist. Wiley-Blackwell 2006; 1st edition
4. Paul Coulthard, Keith Horner, Philip Sloan, Elizabeth Theaker: Master Dentistry Volume 1. Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. Churchill Livingstone 2013, 3rd edition
5. Roderick A. Cawson, Edward W. Odell: Cawson's Essentials of Oral Pathology and Oral Medicine. Churchill Livingstone 2008, 8th edition
6. James R. Hupp, Elie M. Ferneini: Head, Neck and Orofacial Infections: An Interdisciplinary Approach. Elsevier Inc. 2016,
7. Matteo Chiapasco, Manual of Oral Surgery. III Edition; Editorial Edra 2018

Supplementary

1. Scientific journals: Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, Journal of Oral and Maxillofacial Surgery, Journal of Oral Pathology & Medicine etc.
2. James L. Hiatt, Leslie P. Gartner: Textbook of Head and Neck Anatomy. Lippincott Williams & Wilkins 2009; 4th Edition

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
F.W4., F.W6., F.W8., F.W10., F.W13., F.W15., F.W16., F.W19., F.W20., F.W23.	Tests and colloquiums summarising each section of lectures and seminars. Questions can be single or multiple choice. Correction of the test - oral test / answer. Presence at seminars is obligatory. Justified miss on seminar is required to be made up at a different date. The date and form of the seminars should be agreed with the assistant. Quizzes on the topic currently being taught at the seminar or on topics previous seminars. They may be unannounced. Form: written.	*Presence at seminars is obligatory. Passing tests – colloquiums is obligatory.* *According to the Study Regulations, each student is entitled to three attempts to pass the course assessment. The second and third attempts are considered resit examinations.* *If a student receives an*

		*unsatisfactory grade in both the first and second attempts, they are entitled to take a **commission examination**, provided that they have first submitted a written request for approval to the Head of the Department.* *Test is passed at >60% correct answers.* *Grade Criterion* *2.0 (failed) <60%* *3.0 (sat.) >= 60% <68%* *3.5 (r. good) >= 68% <75%* *4.0 (good) >= 75% <82%* *4.5 (m.t. good) >= 82% <90%* *5.0 (v. good) >= 90%* *The condition for the final pass of the year is to pass each seminar and pass all tests on the thematic scope of lectures and seminars.*
Skills – F.U1, F.U2, F.U3, F.U4, F.U5, F.U6, F.U7, F.U8, F.U9, F.U10, F.U11, F.U12, F.U13, F.U15, F.U16	*Reports from practical classes (tables of performed procedures)* *Practical class performance review.*	No missed classes (one justified miss in the Academic year is allowed). Justified miss (more than once) on seminar or practical class is required to be made up at a different date other than scheduled classes. (e.g. semester break). Tables of performed procedures

9. ADDITIONAL INFORMATION

In accordance with the new Study Regulations:

Excused Absences from Classes and/or Assessments

In order to have an absence from classes, a course assessment, an examination, or clinical training excused, the student is required to notify the course coordinator or another person designated by the Head of the Department by email or in writing no later than three working days after the date on which the class, assessment, examination, or practical training took place.

A later submission of documentation justifying the absence is permitted if the student was unable to provide it for legitimate reasons. In such cases, the documentation should be submitted as soon as the circumstances preventing its submission have ceased.

Course Assessment

In the event of an excused absence from a course assessment, the student is entitled to take the assessment at the next date scheduled by the Department.

An unexcused absence constitutes grounds for recording a failure to obtain credit for the course in the respective assessment period.

If a student fails to pass the course by the final date scheduled by the Department in a given academic year, the student does not receive credit for that course.

In the event of an unsatisfactory grade in a course assessment, the student is entitled to two resit attempts.
In the case of the second resit attempt, the student may submit a request to the Dean to allow an observer designated by the Student Government to be present during the assessment.
The Dean may grant permission for the student to take a commission examination/assessment if the student raises justified objections concerning the conduct of the assessment.

Lectures and Attendance

Lectures held during the winter semester present the latest scientific findings, current consensus statements, and the most recent standards in oral and maxillofacial surgery.

Attendance at lectures is an essential component of acquiring up-to-date knowledge and also constitutes an important element in the formulation of questions that distinguish higher levels of knowledge in examinations. Attendance is recorded at lectures.

The grade obtained in the fourth year of study constitutes a component of the student's final grade for the course.

Office Hours and Requirements for Classes

Information concerning office hours is posted on the notice board in the Department.

Students are required to attend classes wearing appropriate protective clothing and bringing change-of-footwear.

Student Scientific Society

The Department of Oral Surgery hosts a Student Scientific Society for students of Dentistry in their third, fourth, and fifth years of study.

Student Scientific Society supervisor: Damian Koseski, damian.koseski@wum.edu.pl

Participation in the Society enables students to expand their knowledge related to the subject and provides opportunities to independently or collaboratively undertake research projects.

Interesting lectures are organized for members of the Student Scientific Society as part of its scientific meetings. Students have the opportunity to present the results of their research at annual regional and national scientific conferences.

Active members of the Student Scientific Society participate in congresses devoted to oral surgery and implantology, contributing to their organization and proceedings.

Information concerning the activities of the Student Scientific Society is posted on the notice board in the Department.

Person responsible for teaching activities for the fourth year: M. Oszwałdowski michal.oszwaldowski@wum.edu.pl, Wojciech Popowski wojciech.popowski@wum.edu.pl

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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