



## ORAL SURGERY

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2022/2023
<b>Department</b>	Faculty of Dental Medicine
<b>Field of study</b>	English Dentistry Division
<b>Main scientific discipline</b> <i>(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical Sciences
<b>Study Profile</b> <i>(general academic / practical)</i>	General academic
<b>Level of studies</b> <i>(1<sup>st</sup> level / 2<sup>nd</sup> level / uniform MSc)</i>	Uniform MSc
<b>Form of studies</b>	Full-time program
<b>Type of module / course</b> <i>(obligatory / non-compulsory)</i>	obligatory
<b>Form of verification of learning outcomes</b> <i>(exam / completion)</i>	exam
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	<b>Department of Oral Surgery</b> Medical University of Warsaw Faculty of Dental Medicine Blinieckiego 6 Street 02-097 Warsaw, University Dental Centre, floor I Phone No. (22) 116 64 41

<b>Head of Educational Unit / Heads of Educational Units</b>	<b>Prof. dr hab. Andrzej Wojtowicz</b>
<b>Course coordinator</b> (title, First Name, Last Name, contact)	<b>Prof. dr hab. Andrzej Wojtowicz</b> <b>Dr n med. Marcin Adamiec</b>
<b>Person responsible for syllabus</b> (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	<b>Dr n med. Marcin Adamiec</b> e-mail: marcin.adamiec@wum.edu.pl
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## 2. BASIC INFORMATION

<b>Year and semester of studies</b>	Year 5, semester 9 and 10	<b>Number of ECTS credits</b>	7
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)		0	0
Seminar (S)		4	0.10
Practical classes (PC)		115	3.8
e-learning (e-L)		4	0.10
Work placement (WP)		0	0
<b>Unassisted student's work</b>			
Preparation for classes and completions		91	3.0

<b>3. COURSE OBJECTIVES</b>	
O1	The teaching objective in oral surgery is to thoroughly prepare future dentist to independently perform surgical procedures within the oral cavity. Participation in classes provides the students with an opportunity to acquire knowledge in the field of Oral Surgery.
O2	Classes allow to acquire skills required to interview, examine the patient, diagnose diseases, interpret basic examination results and to gain skills in performing basic oral surgery procedures and to decide upon patient referral to Cranio-Maxillo-Facial unit or related specialty units.

<b>4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING</b> <i>(concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)</i>	
<b>Code and number of effect of learning in accordance with standards of learning</b> <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	<b>Effects in – major clinical sciences (operative)</b>

**Knowledge – Graduate\* knows and understands:**

F.W5.	the symptoms, course and management of specific diseases of the oral cavity, head and neck in different age group
F.W6.	the principles related to administration of local anaesthesia of masticatory organ tissues
F.W8.	the procedures in case of periapical diseases
F.W10.	the procedures in case of cysts, pre-cancer conditions, head and neck neoplasms
F.W12.	the indications and contraindications related to treatment with the use of dental implants
F.W14.	the etiology and principles of treatment of complications within the stomatognathic system
F.W15.	the basics of antibiotic therapy and antibiotic resistance
F.W17.	therapeutic methods to be used for limitation and counteracting pain, minimisation of fear and stress
F.W19.	the principles of anaesthesia in dental procedures and the basic pharmacological products
F.W22.	the pathomechanism of oral cavity diseases onto the overall health condition.

**Skills– Graduate\* is able to:**

F.U1.	conduct the medical interview with the patient or the patient's family
F.U2.	conduct the physical examination of the patient

F.U3.	explains to the patient the issue of the patient's problems, identifies the method of treatment confirmed with the patient's informed consent, and the prognosis
F.U4.	communicate to the patient or the patient's family bad information regarding the patient's health condition
F.U5.	sample and protects materials for diagnostic examinations, including cytological examinations
F.U6.	interpret the results of additional examinations
F.U7.	determine indications to perform a certain dental procedure
F.U8.	know the principles of oral cavity diseases prevention
F.U9.	know the procedures in case of masticatory organ tissue diseases, tooth and jaw bone injuries
F.U10.	conduct the treatment of acute and chronic, tooth related and non-tooth related inflammatory processes of oral cavity soft tissues, periodontium and jaw bones
F. U11.	know the procedures in case of general and local complications during dental procedures and after dental procedures
F.U12.	prescribe drugs, taking into account their interactions and side effects
F.U13.	maintain the patient's up to date documentation, issues referrals to examinations or specialist treatment, both dental and general medical
F.U14.	identify research problems related to his or her work
F.U15.	present selected medical problems verbally or in writing, in an adequate manner taking into account the level of the audience
F.U18.	describe pathological changes of cells, tissues and organs according to basic mechanisms
F.U19.	select and perform appropriate tests indicating the count of cariogenic bacteria in the oral cavity

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

<b>5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)</b>	
<b>Number of effect of learning</b>	<b>Effects of learning i time</b>
<b>Knowledge – Graduate knows and understands:</b>	
K1	
K2	
<b>Skills– Graduate is able to:</b>	
G.S12	define research issues in the field of dentistry;

<b>Social Competencies – Graduate is ready for:</b>	
SC1	Competencies gained by student after year V should allow them to work individually with the patient. This involves sufficient knowledge and skills that allow to independently take medical history and perform physical examination, perform local anaesthesia and simple tooth extractions.
SC2	

<b>6. CLASSES</b>		
<b>Form of class</b>	<b>Class contents</b>	<b>Effects of Learning</b>
seminars	<p>S1. Surgical management of patients with general comorbidities, indications and contraindications to oral surgical procedures.</p> <p>S2. Head and neck infections, treatment methods – summary</p> <p>S3. Review of oral proliferative lesions and odontogenic tumors, early diagnostic methods, oncological awareness, treatment methods – summary.</p>	<p>F.W5., F.W6., F.W12., F.W22.</p> <p>F.W8., F.W14., F.W15., F.W17, F.W19.</p> <p>F.W10.</p>
practical classes	<p><b>PC- Practical Classes</b></p> <p>PC1. The use of the Velscope lamp for the diagnostics of pathological lesions in the oral cavity</p> <p>PC2. Principles of early oncological diagnostics using chemiluminescence</p> <p>PC3. Treatment of dental trauma</p> <p>PC4. Surgical management of sialolithiasis</p> <p>PC5. Orthodontic surgery - corticotomy</p> <p>PC6. Orthodontic surgery – removal of supernumerary teeth</p> <p>PC7. Orthodontic surgery – surgical exposure of retained teeth and orthodontic button placement</p> <p>PC8. Reconstructive surgery - application of PRF</p> <p>PC9. Reconstructive surgery - the use of bone substitute materials in guided bone regeneration</p> <p>PC10. Reconstructive surgery - application of barrier membranes in guided bone regeneration</p>	<p>F.U6</p> <p>F.U6</p> <p>F.U9, F.U12,</p> <p>F.U19</p> <p>F.U7, F.U12,</p> <p>F.U19</p> <p>F.U1, F.U2, F.U3,</p> <p>F.U4, F.U7</p> <p>F.U1, F.U2, F.U3,</p> <p>F.U4, F.U7</p>

PC11. Indications and contraindications for implantological treatment	F.U1, F.U2, F.U3,
PC12. Dental implants - clinical aspects	F.U4, F.U7
PC13. Assessment of soft and hard tissues in implant treatment planning	F.U1, F.U2, F.U3,
PC14. Principles of homeostasis in the treatment of lesions in the oral cavity in generally healthy people	F.U4, F.U7
PC15. Principles of homeostasis in the treatment of lesions in the oral cavity in people with cardiovascular diseases	F.U1, F.U2, F.U3,
PC16. Split and full-thickness flaps design, types of suturing depending on the size and location of the operating field	F.U4, F.U7
PC17. Examination and methods of treatment of odontogenic cysts - practical aspects	F.U1, F.U2, F.U3,
PC18. Interpretation of additional tests in the diagnosis of odontogenic cysts	F.U4, F.U7
PC19. Examination of head and neck soft tissue cysts	F.U1, F.U2, F.U3,
PC20. Interpretation of additional tests in the diagnosis of head and neck soft tissue cysts	F.U4, F.U7
PC21. Examination of the lymph nodes of the face and neck - test results interpretation	F.U14
PC22. Benign odontogenic tumors	F.U14
PC23. Malignant odontogenic tumors	F.U6, F.U11,
PC24. Examination and treatment of proliferative lesions of soft tissues within the oral cavity	F.U13, F.U18
PC25. Interpretation of additional tests in the diagnosis of proliferative changes in the oral cavity	F.U1, F.U2, F.U3,
PC26. Clinical management of pleomorphic adenoma of the small salivary glands	F.U4, F.U7, F.U14
PC27. Diagnostics of cancers of the oral mucosa	F.U7, F.U8, F.U9,
PC28. Diagnostics and surgical management of precancerous lesions	F.U1, F.U2, F.U5, F.U6, F.U7, F.U14

## **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,

#### 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
Knowledge - F. W5., F.W6., F.W8., F.W10., F. W12., F. W14., F.W15., F. W17., F.W19., F.W22.	Tests and colloquiums summarising each section. Diploma exam in the form of test.	Colloquium is passed at >60% correct answers. Ocena Kryterium 2.0 (failed) <60% 3.0 (sat.) >= 60% i <68% 3.5 (r. good) >= 68% i <75% 4.0 (good) >= 75% i <82% 4.5 (m.t. good) >= 82% i <90% 5.0 (v. good) >= 90% Diploma exam – passed with > 60% from theoretical and practical part
Skills – F.U1., F.U2., F. U3., F.U4., F.U5., F.U6., F.U7., F.U8., F.U9., F.U10., F. U11., F. U 12., F. U 13., F.U14., F.U15., F.U18., F.U19.	Reports from practical classes (tables of performed procedures) Practical diploma exam, oral.	No missed classes (one justified miss in the Academic year is allowed). Tables of performed procedures

### 9. ADDITIONAL INFORMATION *(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)*

Presence at seminars and practical classes is obligatory and constitutes basis to pass the course.

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).

Person responsible for didactics - **Wojciech Popowski PhD, DDS, Marcin Adamiec, PhD, DDS**

Information on consultation hours available on the bulletin board at the department.

Students shall present for classes with protective clothing, footwear (changed) and identification badges.

The diploma exam is composed of 3 elements:

1. admission to exam is based on grades and partial passes for clinical classes, seminars and tests,
2. passing the practical exam, which is condition for admission to the written exam,
3. test exam

During the practical exam student's skills are assessed in terms of:

- ability to take medical history,
- ability to examine the patient,
- ability do correctly diagnose,
- ability to plan treatment,
- ability to perform anaesthesia,
- self-reliance in performing a surgical procedure,
- applying the rules of asepsis and antisepsis during work,
- communication with the patient;
- compliance to standards.

The final grade is calculated from partial grades (20% grades from classes, 20% practical exam, 60% test exam).

The Students Scientific Association at the Department of Oral Surgery brings together students of dentistry from years 3, 4 and 5. Working in the association allows to broaden knowledge in oral surgery and prepare research projects individually or in teams. Lectures on interesting topics are held during scientific meetings of the Association. Students have the opportunity to present results from their research work on annual regional and national scientific conferences. Active members of the Scientific Association organize and participate in oral surgery and implant dentistry congresses.

Announcements about Students Scientific Association can be found on the bulletin board at the department.

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