



## ORAL SURGERY 3 YEAR

<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>	Completion
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	<b>Department of Oral Surgery</b> Medical University of Warsaw Binieckiego 6 Street 02-097 Warsaw, University Dental Centre, floor I tel (22)116 64 41, e-mail:zcs@wum.edu.pl

<b>Head of Educational Unit / Heads of Educational Units</b>	<b>Prof. Andrzej Wojtowicz, Phd, DDS</b>
<b>Course coordinator</b> (title, First Name, Last Name, contact)	<b>Prof. Andrzej Wojtowicz, Phd, DDS</b> <b>Krzysztof Kukuła, Phd, DDS</b> <b>Marcin Adamiec, Phd, DDS</b> <b>Michał Oszwałdowski, DDS</b> <b>Rafał Wojda, DDS</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>Rafał Wojda, DDS</b>
<b>Teachers</b>	Prof. Andrzej Wojtowicz, Phd, DDS e-mail: andrzej.wojtowicz@wum.edu.pl Krzysztof Kukuła, Phd, Dds 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: rafal.wojda@wum.edu.pl

<b>2. BASIC INFORMATION</b>			
<b>Year and semester of studies</b>	3 <sup>rd</sup> year, 5 <sup>th</sup> and 6 <sup>th</sup> semester	<b>Number of ECTS credits</b>	4.00
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)		8	0,26
Seminar (S)		13	0,43
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		49	1,63
Work placement (WP)			
<b>Unassisted student's work</b>			
Preparation for classes and completions		50	1,68

<b>3. COURSE OBJECTIVES</b>	
O1	Gaining knowledge allowing for the diagnosis and differentiation of pathologies within the oral cavity in the field of dental surgery.
O2	Getting skills to recognize and differentiate pathologies within the oral cavity in the field of dental surgery
O3	Gaining 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.
O4	Getting skills allowing to make decisions about referring a patient to treatment in the Department of Cranio-Maxillofacial Surgery and related specialties.

<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>	
<p><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></p>	<p><b>Effects in the range of - Clinical directional (surgical)</b> Knowledge – G.W4, G.W6, G.W8, G.W13, G.W15, G.W16, G.W19, G.W20, G.W23, Skills – G.U1, G.U2, G.U3, G.U4, G.U5, G.U6, G.U7, G.U8, G.U9, G.U10, G.U11, G.U12, G.U13, G.U15, G.U16 .</p>
<b>Knowledge – Graduate* knows and understands:</b>	
F.W4.	the symptoms, course and management of specific diseases of the oral cavity, head and neck in different age groups
F.W6.	procedure for periapical tissue diseases
F.W8.	procedure for cysts, pre-cancerous conditions and head and neck tumors
F.W13.	basics of antibiotic therapy and antibiotic resistance
F.W15.	therapeutic methods of pain reduction and relief and anxiety and stress reduction
F.W16.	principles of anaesthesia in dental procedures and basic pharmaceuticals
F.W19.	pathomechanism of oral disease impact on general health
F.W20.	pathomechanism of general disease or applied therapies impact on the oral cavity
F.W23	<input type="checkbox"/> the specificity of dental care for a patient suffering from a general disease and the principles of cooperation with the doctor in charge of the underlying disease
<b>Skills– Graduate* is able to:</b>	
F.U1.	conduct a medical interview with the patient or their family
F.U2.	conduct a dental physical examination of the patient
F.U3.	explain the symptoms to the patient, determine the method of treatment confirmed by the patient's informed consent and prognosis
F.U4.	provide the patient or their family with information about poor prognosis
F.U5.	collect and secure material for diagnostic tests, including cytological tests
F.U6.	interpret results of additional tests and consultations

F.U7.	determine indications and contraindications for a specific dental procedure
F.U8.	treat acute and chronic, odontogenic and non-odontogenic inflammatory processes of the soft tissues of the oral cavity, periodontium and jaws;
F.U9.	provide treatment in the event of general and local complications during and after dental procedures
F.U10.	prescribe drugs taking into account their interactions and side effects
F.U11.	keep current patient records, make referrals for dental and general medical examination or treatment
F.U12.	define research issues in the field of dentistry
F.U13.	present selected medical issues verbally or in writing in a manner appropriate to the level of recipients
F.U15.	advise treatment of diseases of stomatognathic system tissues
F.U16.	use appropriate medications during and after the dental procedure to reduce 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.

<b>5. ADDITIONAL EFFECTS OF LEARNING</b> (non-compulsory)	
<b>Number of effect of learning</b>	<b>Effects of learning i time</b>
<b>Knowledge – Graduate knows and understands:</b>	
K-G1	
<b>Skills– Graduate is able to:</b>	
S-G1	
<b>Social Competencies – Graduate is ready for:</b>	
S-C1	Competences achieved by students after the end of the third year of study should allow working with the patient under the control of an assistant. This means sufficient theoretical knowledge and practical skills to allow the student to participate in the treatment process.

Form of class	Class contents	Effects of Learning
Lectures	<b>Lecture 1</b>  Embryology and anatomy of the head and neck, clinical aspects. Indication of etiopathogenesis in the formation of tissue deficits (genetic aspects), congenital lack of teeth, atrophy of bone tissue, augmentation methods, implantoprosthesis treatment on clinical examples. (The lecture deals with the ontogenetic development of the face and the masticatory system, topographic anatomy of the head and neck, the course of the main vessels and nerves, with particular emphasis on the trigeminal nerve)	F.W4., F.W6., F.W8.
	<b>Lecture 2</b>  Basic, objective, subjective and additional examinations in dental surgery.	F.W19., F.W20., F.W23.

	<p>(The lecture aims to familiarize students with the principles of collecting an interview and physical examination of the patient, the chronology of the examination, and put attention to important information collected during the procedure, which has a significant impact on treatment planning.)</p> <p><b>Lecture 3</b></p> <p>Pharmacotherapy in dental surgery. (The lecture aims to familiarize students with medications used in everyday clinical practice. Local anesthetics, treatment of pain after surgery, the use of antibiotics in the treatment of inflammation and prophylaxis against infectious diseases, preparations used in local haemostasis.)</p> <p><b>Lecture 4</b></p> <p>Preparation of patients with systemic diseases for procedures in the field of dental surgery. (The lecture highlights the impact of general health on the oral cavity and the implications of general health in terms of oral surgery.)</p> <p><b>Lecture 5</b></p> <p>Basic procedures in dental surgery: extractions, treatment of impacted teeth. (The lecture discusses basic surgical procedures performed in the oral cavity, planning, technique of procedures and prognosis.)</p>	<p>F.W13., F.W15., F.W16., F.W19., F.W20.</p> <p>F.W4., F.W13., F.W15., F.W16., F.W19., F.W20., F.W23.</p> <p>F.W6., F.W15., F.W18.</p>
Seminars	<p><b>Seminar 1</b></p> <p>Discussion of the organization of dental surgery classes. Principles of work and cooperation with the patient. Work hygiene, asepsis and antisepsis in the course of surgical procedures.</p> <p>Written entry test on the anatomy of the head and neck with elements of embryology.</p> <p><b>Seminar 2</b></p> <p>Patient examination, part 1 - subjective - interviews - physical examination (The seminar discusses in detail all stages of the patient examination. Reasons for seeking treatment, symptoms, nature and duration of treatment, treatment undertaken, general health history. External and intraoral examination.)</p> <p><b>Seminar 3</b></p> <p>Patient examination, part 2 - additional tests, indications (laboratory tests, blood tests, X-ray tests) (Indications for additional tests, the ability to refer to additional tests, interpretation of test results.)</p> <p><b>Seminar 4</b></p> <p>Characteristics of local anesthetics, types of anesthesia. General and local complications. (Types of anesthetics are discussed, including those with the addition of vasoconstrictors. Anesthetic techniques, superficial,</p>	<p>F.U12.</p> <p>F.W4., F.U1., F.U2., F.U3., F.U4., F.U11.</p> <p>F.W18., F.W19., F.U5., F.U11.</p> <p>F.W13., F.W15., F.W16., F.U10., F.U16.</p>

	<p>infiltration and conduction anesthesia. Complications during and after anesthesia.)</p> <p><b>Seminar 5</b> Instruments used in Oral Surgery, part 1: - for tooth extraction - forceps - for surgical procedures: removing of impacted teeth, resection, enucleation of cysts (sets) (The types of surgical instruments used in dental surgery of forceps, elevators, and others used during procedures are discussed)</p> <p><b>Seminar 6</b> Instruments used in Oral Surgery, part II: - application and technique of working with tools used in dental surgery. (Technique of working with tools, ergonomics and safety. Asepsis and antisepsis.)</p> <p><b>Seminar 7</b> Test</p> <p><b>Seminar 8</b> Indications and contraindications for tooth extraction. (General and local indications and contraindications. The importance of dental infections in focal infections. Extractions for prosthetic and orthodontic indications. Surgical treatment of dental abnormalities.)</p> <p><b>Seminar 9</b> Complications during and after extractions - treatment of early and late (distant) complications. (Prevention and treatment of complications. Paying attention to the essential elements of the patient's examination that allow to avoid complications, atraumatic procedure. Principles of preoperative procedures.</p> <p><b>Seminar 10</b> Types of incisions in dental surgery (indications). Suturing technique. Types of suture materials. (Rules for using a scalpel. Anatomical conditions. Types of flaps. Size, shape of suturing needles. Resorbable and non-resorbable monofilament threads and braids when used.)</p> <p><b>Seminar 11</b> Salivary glands diseases. (Anatomy and physiology of small and large salivary glands. The role of saliva in maintaining the balance of the oral ecosystem. Classification of diseases of the salivary glands. Treatment methods.)</p> <p><b>Seminar 12</b> Temporomandibular joint diseases. (Anatomy and physiology of TMJ, the impact of tooth loss on abnormal joint function. Intra-articular and periarticular inflammations, their impact on early and late complications. Limitation in opening the jaws causes impact on planning surgical procedures in the oral cavity. Surgical methods of treatment.)</p>	<p>F.U5.</p> <p>F.U5.</p> <p>F.W6., F.W8., F.U3., F.U7., F.U15.</p> <p>F.U9., F.U10.</p> <p>F.U5.</p> <p>F.U1., F.U2., F.U4., F.U5., F.U6., F.U10., F.U11., F.U13., F.U15., F.U16.</p>
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	<b>Seminar 13</b> <b>Completion of all material.</b>	
<b>Practical Classes</b>	<b>PC1.</b> Topographic anatomy of the head and neck - clinical aspects	F.U2, F.U8
	<b>PC2.</b> Principles of aseptics and antiseptics, prevention of cross-infections	F.U8
	<b>PC3.</b> Work ergonomics	F.U1, F.U2
	<b>PC4.</b> Interview and physical examination	F.U11, F.U12, F.U15
	<b>PC5.</b> Additional tests	F.U5, F.U6
	<b>PC6.</b> Treatment planning	F.U3, F.U11
	<b>PC7.</b> Obtaining informed consent for treatment from the patient and keeping electronic medical records	F.U11, F.U3
	<b>PC8.</b> Providing the patient and his relatives with bad information about the state of health	F.U4
	<b>PC9.</b> Practical application of Meissner's and Berten's forceps	F.U8
	<b>PC10.</b> Practical application of the Bein and Winter lever	F.U8
	<b>PC11.</b> Using cutting tools	F.W16
	<b>PC12.</b> Use of wound suturing tools	F.U7, F.U8, F.U9
	<b>PC13.</b> Use of local anesthetics	F.U7, F.U8, F.U9
	<b>PC14.</b> Practical performance of infiltration anesthesia	F.U7,F.U8,F.U9
	<b>PC15.</b> Practical conduction anesthesia	F.U7, F.U8, F.U9
	<b>PC16.</b> Technique of extraction of single-rooted and multi-rooted teeth	F.U7, F.U8, F.U9
	<b>PC17.</b> Clinical aspects of removing partially and completely impacted teeth	F.U7, F.U8
	<b>PC18.</b> Extraction of deciduous and reincluded teeth	F.U8, F.U9, F.U10
	<b>PC19.</b> Periprocedural procedures	F.U16
	<b>PC20.</b> Preparing the patient for the procedure	F.W4, F.U1, F.U6, F.U7, F.U9, F.U10
	<b>PC21.</b> Management of immunocompetent and non-immunocompetent patients. Indications and contraindications for antibiotic therapy.	F.U9,F.U10 F.W4, F.U1, F.U6, F.U7
	<b>PC22.</b> Management of patients with elevated blood pressure in the preoperative period.	F.W4, FU1, F.U6
	<b>PC.23.</b> Management of patients with disorders of carbohydrate metabolism.	F.W4, F.U1, F.U6
	<b>PC24.</b> Management of neurological patients.	F.W4,FU1, F.U6
	<b>PC25.</b> Dealing with pregnant patients.	F.W4, F.U1, FU6
	<b>PC26.</b> Dealing with infectious patients .	F.W4, FU.1, F.U6, F.U7
	<b>PC27.</b> Management of patients with diseases of the endocrine glands.	

	<p><b>PC28.</b> Management of patients treated nephrologically.</p> <p><b>PC29.</b> Preparation and methodology of rehabilitation in patients with diseases of the cardiovascular system .</p> <p><b>PC30.</b> Preparation and methodology of sanation in patients with hematological diseases</p>	<p>F.W4, F.U1, FU.6, FU.7, FU.9, F.U10</p> <p>F.W4, F.U1, F.U6, FU.7, FU.9, FU10</p> <p>F.W4, fU1,F.U6, F.U7, F.U9, F.U10</p> <p>F.W4, fU1,F.U6, F.U7, F.U9, F.U10</p>
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<b>1. LITERATURE</b>
<b>Obligatory</b>
<ol style="list-style-type: none"> <li>1. James R. Hupp, Myron R. Tucker, Edward Ellis, III: Contemporary Oral and Maxillofacial Surgery. Mosby 2013; 6th edition</li> <li>2. Karl R. Koerner: Manual of Minor Oral Surgery for the General Dentist. Wiley-Blackwell 2006; 1st edition</li> <li>3. James L. Hiatt, Leslie P. Gartner: Textbook of Head and Neck Anatomy. Lippincott Williams &amp; Wilkins 2009; 4th edition</li> </ol>
<b>Supplementary</b>
<ol style="list-style-type: none"> <li>1. 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</li> </ol>

<b>2. VERIFYING THE EFFECT OF LEARNING</b>		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
F.W4., F.W6., F.W8., F.W13., F.W15., F.W16., F.W19., F.W20., F.W23.	<p>Attendance at all seminars is obligatory; in case of more than one absence, the assistant must set the date and form of passing them.</p> <p>Short test from the topic currently implemented at the seminar or from the topics of previous seminars.</p> <p>Test colloquium including content presented at lectures and seminars</p>	<p>Attendance at seminars is compulsory. Passing the final test for a grade.</p> <p>Colloquium is passed at &gt;60% correct answers.</p> <p>Grade:</p> <p>2.0 (failed) &lt;60%</p> <p>3.0 (sat.) &gt;= 60% i &lt;68%</p> <p>3.5 (r. good) &gt;= 68% i &lt;75%</p> <p>4.0 (good) &gt;= 75% i &lt;82%</p> <p>4.5 (m.t. good) &gt;= 82% i &lt;90%</p> <p>5.0 (v. good) &gt;= 90%</p> <p>The condition of final passing the year is passing each seminar, and colloquium on the thematic lectures and seminars</p>



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.	Practical classes reports (cards of medical procedures performed). Assessment of student work during practical classes.	Attendance at all classes (one excused absence is allowed in the academic year). Card of completed medical procedures
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**3. 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)

The lectures in the winter semester convey the latest consensus reports and the latest standards in dental surgery.

Presence on lectures is an indispensable element for acquiring modern knowledge and at the same time is an element of distinctive exam questions. At lectures the attendance list is verified.

Justifiable, more than one absence, whether at seminars or practical classes must be made up some other time that does not conflict with clinical activities (e.g. semester break)

Information about assistants consultation hours is placed on the board in the department.

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

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.

The person responsible for teaching in the third year – Rafał Wojda, DDS;  
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