



Maxillofacial surgery and oncology

1. IMPRINT	
Academic Year	2022 4 /2023 2
Department	Faculty of Dental Medicine English Dentistry Division
Field of study	English Dentistry Division Dentistry
Main scientific discipline <i>(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical Sciences
Study Profile <i>(general academic / practical)</i>	General academic Practical
Level of studies <i>(1st level / 2nd level / uniform MSc)</i>	Uniform MSc
Form of studies	Full-time program Stationary
Type of module / course <i>(obligatory / non-compulsory)</i>	Obligatory
Form of verification of learning outcomes <i>(exam / completion)</i>	Completion
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	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

— sformatowano: Czcionka: (Domyślny) Calibri, 9 pkt

Head of Educational Unit / Heads of Educational Units	Paweł Zawadzki PhD, DDS, Associate Professor
Course coordinator (title, First Name, Last Name, contact)	Paweł Zawadzki PhD, DDS, Associate Professor Andrzej Kołciuk DDS Tel. (22) 502-17-97, e-mail: andrzej.kolciuk@wum.edu.pl
Person responsible for syllabus (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Edyta Jaworska, PhD, DDS edyta.jaworska@wum.edu.pl Andrzej Kołciuk DDS Tel. (22) 502-17-97, e-mail: andrzej.kolciuk@wum.edu.pl
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— sformatowano: Polski

2. BASIC INFORMATION			
Year and semester of studies	IV, VIIth year, 8th semester	Number of ECTS credits	3.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)	14		0,4
Seminar (S)	26		1
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)	26		10,6
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions	17		0,6

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— sformatowano: Indeks górny

— sformatowano: Kolor czcionki: Czarny

Sformatowano: Normalny

3. COURSE OBJECTIVES

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:

3.

O1	<i>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:</i>
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.

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Sformatowano: Akapit z listą, Do lewej, Z prawej: 0,62 cm, Odstęp Przed: 0 pkt, Po: 0 pkt, Interlinia: Wielokrotne 1,08 wrs, Numerowanie + Poziom: 1 + Styl numeracji: 1, 2, 3, ... + Rozpocznij od: 1 + Wyrównanie: Na lewo + Wyrównanie: 0,63 cm + Wcięcie: 1,27 cm, Obramowanie: Góra: (Brak obramowania), Dół: (Brak obramowania), Na lewo: (Brak obramowania), Na prawo: (Brak obramowania), Pomiędzy: (Brak obramowania), Pasek: (Brak obramowania)

Sformatowano: Numerowanie + Poziom: 1 + Styl numeracji: 1, 2, 3, ... + Rozpocznij od: 1 + Wyrównanie: Na lewo + Wyrównanie: 0,63 cm + Wcięcie: 1,27 cm

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

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

F.W.K2.	knows and understands the mechanisms leading to organ and systemic pathologies (infectious, invasive, autoimmune, out of deficiency resistance, metabolic and genetic diseases)
F.W.K4.	knows the viral, bacterial and fungal flora in the oral cavity and its effect
F.W.K5.	knows the symptoms, course and management of specific disease entities concerning oral, cavity, head and neck, including differences in age groups.
F.W.K6.	knows the types and mode of action of local anaesthesia for the tissue of the masticatory apparatus
F.W.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.W.K12.	indications and contraindications for treatment with the use of implant therapy

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F-W_K14_	knows the causes and principles of procedure in complications of diseases of the stomatognathic system
F-W_K15_	knows and understands the mechanisms basics of antibiotic therapy and antibiotic resistance
F-W_K16_	knows how to rehabilitate the masticatory apparatus
F-W_K19_	knows the type and mode of basic anaesthesia in dental procedures and also the basics of pharmaceutical agents
F-W_K22_	knows and understands the pathomechanism effect of the oral cavity deceases on general health condition
Skills– Graduate* is able to:	
F-U_S1_	conduct the medical interview with the patient or the patient's family; able to take medical history of a patient or their family
F-U_S2_	conduct the physical examination of the patient; has practical skills in physical examination of a patient
F-U_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-U_S7_	determine indications to perform a certain dental procedure; is able to specify the indications for surgical procedures
F-U_S9_	know the procedures in case of masticatory organ tissue diseases, tooth and jaw bone injuries; has skills in treatment of masticatory tissue diseases, teeth trauma and jaw bones
F-U_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; performs treatment of acute and chronic, odontogenic inflammation of soft tissue of the oral cavity, periodontal and jaw bones.
F-U_S11_	knows the principles of treatment in the event of general or local possible complications occurring during or after the surgical procedures
F-U_S12_	prescribe medications, regarding to their interactions and side effects; knows how to prescribe pharmaceuticals and medicines, including their interactions and side effects
F-U_S13_	maintain the patient's up to date documentation, issues referrals to examinations or specialist treatment, both dental and general medical; keeps medical records of a patient, prepares referrals for basic tests or specialised dental treatment and general medical treatment

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

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5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)

Number of effect of learning	Effects of learning i time
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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	<p>W1 Lecture topic: Fractures of the maxillofacial, Diagnostics, treatment. Educational contents - Lecture is about the division, diagnostics and procedures in fractures of the maxillofacial skeleton. Symbol of course learning outcome/s W5</p> <p>W2 Lecture topic: Odontogenic diseases of maxillary sinus. Jaw, oral cavity and neck cysts. Infection in the head and neck region. Educational contents - Lecture concerns the knowledge of division, diagnostics and procedure in odontogenic diseases of maxillary sinus, jaw, oral cavity and neck cysts as well as infections in the head and neck region. Symbol of course learning outcome/s W2,W4, W15</p> <p>W3 Lecture topic: Malignant tumours of the oral cavity and craniofacial, diagnostics, treatment. Educational content: Lecture concerns division, diagnostics and procedure in malignant tumour of the oral cavity and craniofacial skeleton. Symbol of course learning outcome/s- W10</p> <p>W4 Lecture topic: Malignant leison in the oral cavity and craniofacial. Benign tumours. Odontogenic tumours. Educational content: Lecture concerns the knowledge of division, diagnostics and procedures in being tumours of the oral cavity and craniofacial skeleton. Symbols of course learning outcome/s W10</p> <p>W5 Lecture topic: Maxillofacial- bite defects. Educational content: Lecture is about the division, diagnostics and procedure in patients with maxillofacial defects. Symbols of course learning outcome/s W16</p> <p>W6 Lecture topic: Diagnostics and treatment of temporomandibular joint disorder. Educational content: Lecture concerns the knowledge of division, diagnostics and procedure in patients with maxillofacial defects. Symbols of course learning outcome/s W14</p> <p>W7 Lecture topic: Prevention of oncological diseases and its importance. Salivary gland diseases. Educational content: Lecture is about the knowledge of division, diagnostics and procedure in salivary gland deceases. Symbols of course learning outcome/s, W19, W22</p>	<p>F.K5., F.K6., F.K10., F.K12., F.K14., F.K15., F.K19., F.K22.</p>
Seminars	<p>S1 Seminar topic: The organization of work in the ward and medical clinic. Qualifying patients for maxillofacial surgery and surgery. Educational contents: Seminar is about getting familiar with the organization of work in the ward and medical clinic. Qualifying patients for maxillofacial surgery and surgery. Symbol of course learning outcome/s U1,U2,U3,U4</p> <p>S2 Seminar topic: Maxillofacial trauma, classification of craniofacial fractures. Educational content: Seminar is about the order of division, diagnostics and procedure in maxillofacial skeleton fractures. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U9</p>	<p>F.K5., F.K6., F.K10., F.K12., F.K14., F.K15., F.K19., F.K22.</p>

Sformatowana tabela

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	<p>S3 Seminar topic: Indications and contraindications for surgical treatment in local or general anaesthesia. Educational content: Seminar talks about indications and contraindications for surgical treatment in local or general anaesthesia. Symbols of course learning outcome/s W6,U1,S2,U3,U4,U5,U7</p> <p>S4 Seminar topic: Surgical treatment to patients with history of internal diseases. Educational content: Seminar is about surgical treatment to patients with history of internal diseases. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U7</p> <p>S5 Seminar topic: Treatment of patients after shock-evaluation of the patient's health condition. Emergencies. Blood transfusion and blood substitutes. Educational content: Seminar concerns the treatment of patients in case of emergencies as well as rules of usage of blood products. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U7,U8</p> <p>S6 Seminar topic: Odontogenic diseases of maxillary sinus-diagnosis, treatment. Cysts. Educational content: Seminar is about diseases, diagnosis and treatment of maxillary sinus diseases. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U7</p> <p>S7 Seminar topic; Maxillofacial defects- diagnosis and treatment. Educational content: Seminar is about diagnostics and treatment of maxillofacial defects. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U7</p> <p>S8 Seminar topic: Surgical treatment of mandible fractures- Symptoms, diagnostics and treatment of mandible fractures. Educational content: Seminar is about diagnostics and treatment of mandible fractures. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U7</p> <p>S9 Seminar topic: Preparation of oral cavity for prosthetic treatment. augmentation procedures, occlusion reconstruction (based on the intraosseous implants) Educational content: Seminar concerns the preparation of oral cavity for prosthetic treatment and getting familiar with augmentation procedure and occlusion reconstruction. Symbols of course learning outcome/s U1,U2,U3,U4,U5,U7</p> <p>S10 Seminar topic: Temporomandibular joint: anatomy, physiology and diagnostics. Educational content: Seminar is about anatomy, physiology and diagnostics of temporomandibular joint diseases. Symbols of course learning outcome/s</p> <p>S11 Seminar topic: Cranial nerve disorders- diagnostics, treatment. Educational content: Seminar regards anatomy, physiology, treatment and diagnostics of cranial nerve disorders. Symbols of course learning outcome/s</p> <p>S12 Seminar topic: Head and neck benign tumours. Educational content: Seminar talks about diagnostics and treatment of head and neck benign tumours. Symbols of course learning outcome/s</p> <p>S13 Seminar topic: Malignant head and neck tumours. Educational content: Seminar is about diagnostics and treatment of malignant head and neck tumours. Symbols of course learning outcome/s</p> <p>S14 Seminar topic: Salivary gland diseases- diagnostics, treatment. Educational content: Seminar regards anatomy, physiology and diagnostics as well as treatment of salivary gland diseases. Symbols of course learning outcome/s U6</p>	
Practical classes	<p>Students examine patients. They perform or assist with simple surgical procedures: removing stitches, tooth extractions, local anaesthesia, procedures in general anaesthesia. U1,U2,U3,U7,U9,U10,U11,U12,U13</p>	<p>F.S1., F.S2., F.S3., F.S7., F.S9., F.S10.,</p>

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		F.S11. F.S12. F.K5. F.K6. F.K10. F.K12. F.K14. F.K15. F.K19. F.K22.
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7. LITERATURE		
Obligatory		
<ol style="list-style-type: none"> 1. Kryst L.(red.): „Chirurgia Szczekowo-Twarzowa”. PZWL: Warszawa 1999, 2007. 2. Chirurgia Szczekowo-Twarzowa. Red. S. Bartkowski, AM Kraków 1996. 3. Kaczmarzyk T., Stypułkowska J., Tomaszewska R., Czopek J. „Nowotwory zębopochodne i guzy nowotworopodobne kości szczekowych”. Wydawnictwo Kwintesencja Warszawa 2009. 4. Kaczmarzyk T., Jadwiga Stypułkowska, Romana Tomaszewska: Torbiele obszaru szczekowo-twarzowego. Wydawnictwo Kwintesencja sp z o. o., Warszawa 2015. 5. Zapala J., Grażyna Wyszyńska-Pawelec. Wybrane zagadnienia z onkologii głowy i szyi. Podrecznik 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. Podrecznik dla studentów i lekarzy”, Wydawnictwo Uniwersytetu Jagiellońskiego, 2006 Peterson's Principles of Oral and Maxillofacial Surgery, Michael Miloro, GE Ghali, Peter Larsen, Peter Waite, 2012 		
Supplementary		
<ol style="list-style-type: none"> 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 Szczekowo-Twarzowa.. 4. Whattes E. Podstawy radiologii stomatologicznej. 5. Dominiak M., J. Zapala, T. Gedrange Podstawy Chirurgii Stomatologicznej. 2013 6. Czasopisma: Czasopismo Stomatologiczne, Protetyka Stomatologiczna i inne, 1- Oral and Maxillofacial Surgery Review: A Study Guide, Din Lam, Daniel Laskin, 2015 2- Contemporary Oral and Maxillofacial Surgery, Larry J. Peterson, Edward Ellis III, James Hupp, Myron Tucker, 1998. 		

- Sformatowano: Akapit z listą, Numerowanie + Poziom: 1 + Styl numeracji: 1, 2, 3, ... + Rozpocznij od: 1 + Wyrównanie: Na lewo + Wyrównanie: 0,63 cm + Wcięcie: 1,27 cm
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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.S9. F.S10. F.S11. F.S12. F.K5. F.K6. F.K10.	<p>Presence on seminars and practical classes is obligatory.</p> <p>Test on the knowledge obtained during lectures and seminars. The test consists of 25 questions.</p> <p>Grade is a component of the final grade obtained on the V year.</p>	<p>Presence on the seminars.</p> <p>Active participation in practical classes. Practical classes report.</p> <p>60% of test to pass</p> <table border="1"> <thead> <tr> <th>Grade</th> <th>Criteria</th> </tr> </thead> <tbody> <tr> <td>2.0 (failed)</td> <td><13 pts</td> </tr> <tr> <td>3.0 (satisfactory)</td> <td>13-16 pts</td> </tr> <tr> <td>3.5 (rather good)</td> <td>17-19 pts</td> </tr> <tr> <td>4.0 (good)</td> <td>20-21 pts</td> </tr> </tbody> </table>	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
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											

Appendix No 3 for Regulation No 42/2020 of MUW's Rector dated 5.03.2020 r.
Appendix No 4 for the procedure of development and periodical review of syllabuses

F.K12. F.K14. F.K15. F.K19. F.K22.		4.5 (more than good) 22-23 pts 5.0 (very good) 24-25 pts
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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)