



## Conservative dentistry and endodontics

<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 201)</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>	Examination
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	Department of Conservative Dentistry Medical University of Warsaw Blinieckiego str 6, 02-097 Warsaw, tel.: +48 22 116 64 46 e-mail: sekretariat.zachowawcza@wum.edu.pl
<b>Head of Educational Unit / Heads of Educational Units</b>	Prof. Agnieszka Mielczarek, PhD, DDS agnieszka.mielczarek@wum.edu.pl
<b>Course coordinator</b> <i>(title, First Name, Last Name, contact)</i>	Prof. Agnieszka Mielczarek, PhD, DDS agnieszka.mielczarek@wum.edu.pl
<b>Person responsible for syllabus</b> <i>(First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)</i>	Katarzyna Król, DDS katarzyna.krol@wum.edu.pl
<b>Teachers</b>	prof. Agnieszka Mielczarek PhD, DDS, agnieszka.mielczarek @wum.edu.pl dr n. med. Joanna Rudnicka- joanna.rudnicka@wum.edu.pl dr n. med. Ewa Rusyan- erusyan@wum.edu.pl lek. dent. Anna Haładyj- anna.haladyj@wum.edu.pl

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2. BASIC INFORMATION			
Year and semester of study	V year, IX and X semesters	Number of ECTS credits	11
FORM OF CLASSES	Number of hours	ECTS credits calculation	
<b>Contacting hours with academic teacher</b>			
Lecture (L)	-	-	
Seminar (S)	6 (contact classes/e-learning)	0,2	
Practical classes (C)	145	5	
<b>Unassisted student's work</b>			
Preparation for classes and completions	170	5,8	
3. COURSE OBJECTIVES			
O1	Formulating a comprehensive treatment plan for the dental patient		
O2	Performing a full range of prophylactic treatments		
O3	Improving the ability to diagnose and treat diseases of teeth and periapical tissues using current standards		
O4	Planning prophylactic and therapeutic care for healthy patients with systemic disease		
4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <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 time</b>		
<b>Knowledge – Graduate*:</b>			
F.W2	Knows and understands the mechanisms leading to organ and system pathologies (including infectious, invasive, autoimmune, resistance deficiency, metabolic and genetic diseases);		
F.W3	knows the principles of prophylactics and treatment of masticatory apparatus diseases at different stages of development		
F.W5	knows the symptoms, course and management of specific diseases of the oral cavity, head and neck in different age groups		
F.W7	knows the procedures in case of diseases affecting the pulp and mineralised tooth tissues, as well as tooth and face bone injuries		
F.W8	knows the procedures in case of periapical diseases		

<b>F.W13</b>	knows the indications and contraindications related to performance of aesthetic dentistry treatments
<b>F.W14</b>	knows the reasons and procedures in case of complications of stomatognathic system diseases
<b>F.W22</b>	knows and understands the pathomechanism of oral cavity diseases onto the overall health condition

**Skills– Graduate\*:**

<b>F.U9</b>	knows the procedures in case of masticatory organ tissue diseases, tooth and jaw bone injuries
<b>F.U10</b>	conducts the treatment of acute and chronic, tooth related and non-tooth related inflammatory processes of oral cavity soft tissues, periodontium and jaw bones
<b>F.U11</b>	knows the procedures in case of general and local complications during dental procedures and after dental procedures
<b>F.U18</b>	determines the treatment of the stomatognathic system tissue diseases
<b>C.U11</b>	select reconstructive, prosthetic and binding biomaterials based on material properties and clinical conditions

\* 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 in time
<b>Knowledge – Graduate knows and understands:</b>	
W.01	-
<b>Skills– Graduate is able to:</b>	
U.01	-
<b>Social Competencies – Graduate is ready for:</b>	
<b>K.01</b>	independently performance of assigned tasks
<b>K.02</b>	understanding the importance of continuous improvement of knowledge and skill

**6. CLASSES**

Form of class	Class contents	Effects of Learning
<b>Seminars</b>	<b>S.1. Discussion about clinical cases</b> Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 1)	F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.
	<b>S.2. Discussion about clinical cases</b> Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 2)	F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.
	<b>S.3. Discussion about clinical cases</b> Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care - (part 3)	F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.
	<b>S.4. Use of dental materials in clinical practice</b> Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 1)	F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.
	<b>S.5. Use of dental materials in clinical practice</b> Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 2)	F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.

	<b>S.6. Use of dental materials in practice</b> Aesthetic tooth reconstruction, working techniques, preparation principles, proper filling preparation, clinical cases (part 3)	F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.
<b>Practical classes</b>	<b>C-</b> Working with the dental team, according to the principles of ergonomics, subjective and physical examination of the patient, assessment of the caries risk and establishment of a treatment plan, performing prophylactic procedures in hard dental tissues, proper diagnosis and treatment of caries and non-carious lesions, keeping medical records.	F.U9., F.U10., F.U11., F.U18 C.U11., F.U2., F.U3., F.U5., F.U7., F.U8., F.U13., F.U14., F.U22., K.01., K.02

## 7. LITERATURE

### Obligatory

1. Sturdevant's Art&Science of Operative Dentistry, 7th edition, Roberson T.M., Heymann H.O., Swift E.J., Mosby, St.Louis 2018,
2. Essentials of Dental Caries. Fourth Edition Edwina Kidd and Ole Fejerskov, Oxford University Press, Oxford 2016
3. Clinical endodontics: a textbook. Tronstad L., 3rd edition, Georg Thieme Verlag, 2009

### Supplementary

1. Pickard's Guide to Minimally Invasive Operative Dentistry 10th Edition by Avit Banerjee (Author), Timothy F. Watson (Author), Oxford University Press, 2015
2. Ole Fejerskov (Editor), Bente Nyvad (Editor), Edwina Kidd (Editor) Dental Caries: The Disease and its Clinical Management, 3rd Edition, Wiley-Blackwell 2015
3. Cohen S., Hargreaves K.M., Pathways of the Pulp, 10th edition, Mosby Elsevier 2011,
4. Torabinejad M., Walton R.E., Endodontics, principles and practice, 5th edition, Saunders Elsevier 2009

## 8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
<b>Seminars:</b> F.W2., F.W3., F.W5., F.W7., F.W8., F.W13., F.W14., F.W22.	<ul style="list-style-type: none"> <li>• Credit for a course is given on the basis of active participation in the seminars and acquiring knowledge of the issues presented at the seminars.</li> <li>• A 100% attendance at the seminars is required. In the case of absence, the date and form of the credit should be arranged individually with the teacher conducting clinical classes.</li> <li>• The condition for admission to the diploma examination is passing the practical classes and seminars.</li> <li>• The diploma examination consists of a 2-part practical and theoretical examination, conducted in the form of a test. The test examination contains 100 questions- 3 distractors, 1 answer is correct.</li> </ul>	<ul style="list-style-type: none"> <li>• Active participation in seminars is required.</li> <li>• For passing the final test obtaining at least 55% of the correct answers is required.</li> <li>• Failure to pass the test results in an insufficient final grade from the diploma examination.</li> <li>• The final grade from the course is a weighted average of which: 10% is the final grade from the exercises, 30% is the average grade from the two parts of the practical exam and 60% is the grade from the test exam. The final grade in the course is evaluated after obtaining results from the examination test.</li> </ul>
<b>Clinical Classes:</b> F.U9., F.U10., F.U11., F.U18., C.U11., F.U2., F.U3., F.U5., F.U7., F.U8., F.U13., F.U14., F.U22., K.01., K.02	<ul style="list-style-type: none"> <li>• An acquisition of the certain skills, keeping reliable medical records and having a proper attitude towards the patient and medical staff is required for passing the course.</li> <li>• Two absences from the practical classes during the academic year are allowed. Additional absence requires justification and completion clinical classes.</li> </ul>	For passing the course proof of skill acquisition confirmed by teacher conducting clinical classes is required.

## 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)*

1. The knowledge presented at lectures and seminars takes into account new information and concepts and is enforced during final tests and the diploma examination.
2. The tutor of the year is doctor Joanna Rudnicka MD, PhD
3. It is required to report to classes on time, to comply with sanitary requirements regarding procedures and personal protective equipment, and not to use mobile phones during classes.
4. Student Research Group at the Department of Conservative Dentistry of the Medical University of Warsaw  
SKN supervisor - Ewa Rusyan, MD, PhD, e - mail: erusyan@wum.edu.pl
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