



Conservative dentistry and endodontics

1. IMPRINT	
Academic Year:	2025/2026
Faculty:	Medical and Dental Faculty
Field of Study:	English Division Dentistry
Leading Discipline	Medical science
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	Exam
Educational Unit	Department of Conservative Dentistry Medical University of Warsaw Binieckiego str 6, 02-097 Warsaw, tel.: +48 22 116 64 46 e-mail: sekretariat.zachowawcza@wum.edu.pl
Head of Educational Unit	prof. Agnieszka Mielczarek PhD, DDS agnieszka.mielczarek@wum.edu.pl
Course coordinator	prof. Agnieszka Mielczarek PhD, DDS agnieszka.mielczarek@wum.edu.pl
Person responsible for syllabus	lek. dent. Magdalena Sobecka-Frankiewicz DDS, magdalena.sobecka-frankiewicz@wum.edu.pl
Teachers	prof. Agnieszka Mielczarek DDS, PhD - agnieszka.mielczarek @wum.edu.pl Aniela Brodzikowska DDS, PhD - aniela.brodzikowka@wum.edu.pl Tomasz Gajewski DDS, PhD – Tomasz.gajewski@wum.edu.pl Joanna Rudnicka DDS, PhD - joanna.rudnicka@wum.edu.pl Ewa Rusyan DDS, PhD - ewa.rusyan@wum.edu.pl Anna Haładyj DDS - anna.haladyj@wum.edu.pl Karolina Koronowska DDS - karolina.koronowska@wum.edu.pl Paulina Korzeniewska DDS - paulina.korzeniewska@wum.edu.pl Juliusz Kosewski DDS, PhD - juliusz.kosewski@wum.edu.pl Anna Kwiatkowska DDS - anna.kwiatkowska@wum.edu.pl Konrad Michałowski DDS - konrad.michalowski@wum.edu.pl Magdalena Sobecka-Frankiewicz DDS - magdalena.sobecka-frankiewicz@wum.edu.pl lek. dent. Katarzyna Więcek DDS - katarzyna.wiecek@wum.edu.pl Aneta Zduniak DDS, PhD - aneta.zduniak@wum.edu.pl Przemysław Zwierz DDS - przemyslaw.zwierz@wum.edu.pl

2. BASIC INFORMATION			
Year and semester of studies	V year, IX and X semester	Number of ECTS credits	11
FORMS OF CLASSES	Number of hours	ECTS credits calculation	
Contacting hours with academic teacher			
Lecture (L)		-	
Seminar (S)		15 (Contact classes)	0,6
Practical classes (PC)		125	5,0
Work placement (WP)		-	-
Unassisted student work			
Preparation for classes and completions	135	5,4	
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 ()			
Code and number of effect of learning in accordance with standards of learning	Effects in time		
Knowledge – Graduate* knows and understands:			
F.W2.	principles of prophylactics and treatment of masticatory apparatus diseases at different stages of development;		
F.W4.	symptoms, course and management of specific diseases of the oral cavity, head and neck in different age groups;		
F.W5.	procedure for pulp diseases and mineralized dental tissues and injuries to teeth and face bones;		
F.W6.	knows the principles related to administration of local anesthesia of masticatory organ tissues;		
F.W11.	indications and contraindications for cosmetic dentistry treatments;		
F.W12.	causes of complications in the stomatognathic system diseases and the procedures for such complications;		
F.W19.	pathomechanism of oral disease impact on general health;		
F.W21.	prevention of oral disease;		
F.W22.	procedure for diseases of masticatory apparatus tissues, injuries to teeth and jaw bones;		
Skills– Graduate* is able to:			

F.U7.	determine indications and contraindications for a specific dental procedure;
F.U8.	treat acute and chronic, odontogenic and non-odontogenic inflammatory processes in soft tissues of the oral cavity, periodontium and jawbone;
F.U9.	provide treatment in the event of general and local complications during and after dental procedures;
F.U15.	advise treatment of diseases of stomatognathic system tissues;
C.U11	select restorative, prosthetic and bonding biomaterials based on the properties of the materials and clinical conditions;

5. ADDITIONAL EFFECTS OF LEARNING

Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
-	-
Skills– Graduate is able to:	
-	-
Social Competencies – Graduate is ready for:	
K.01	independent performance of assigned tasks
K.02	continuous improvement of knowledge and skill

6. CLASSES

Form of class	Class contents	Effects of Learning
Seminars	S.1. Discussion about clinical cases <i>Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 1)</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19.
	S.2. Discussion about clinical cases <i>Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 2)</i>	F.W2. , F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.3. Discussion about clinical cases <i>Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 3)</i>	F.W2. , F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.4. Use of dental materials in clinical practice <i>Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 1)</i>	F.W5., F.W6., F.W7., F.W8., F.W12., F.W13., F.W16., F.W19., F.W22., E.W12.
	S.5. Use of dental materials in clinical practice <i>Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 2)</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.6. Practical application of dental materials <i>Bioactive materials, characteristics, indications, practical demonstration</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.

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	S.7. Use of dental materials in practice <i>Aesthetic restorations of teeth, working techniques, preparation principles, correct preparation of the filling, clinical cases</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.8. Credit test – organized by course coordinator Verification of the knowledge gained during the seminars 25 questions, 3 distractors, 1 correct answer. Obtaining a minimum of 60% of the correct answers (15 questions) is obligatory to pass the test.	F.W2.,F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21.,F.W22.
Clinical classes	<p>C- 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.</p> <p>Clinical classes topics*:</p> <p>C1. Maintenance of current patient records in KS-Somed, application of updates made.</p> <p>C2. - C10. Physical examination of the oral cavity including potentially malignant conditions, communication with the dental patient.</p> <p>C11. - C30. Planning and carrying out preventive and therapeutic procedures in healthy patients and patients with systemic disease.</p> <p>C31. - C36. Planning and carrying out preventive and therapeutic interventions in senior patients.</p> <p>C37. - C39. Differentiating pain of dental origin.</p> <p>C40. - C41. Using appropriate medications during and after a dental procedure to relieve pain and anxiety.</p> <p>C42. - C43. Indications and principles of antibiotic use in the treatment of dental infections in immunocompetent and immunocompetent patients.</p> <p>C44. - C46. Prevention of potential complications of endodontic treatment.</p> <p>C47. - C49. Monitoring and evaluating the effectiveness of root canal treatment.</p> <p>C48. - C50. Revision of endodontic treatment - indications, management.</p> <p>C51. Clinical examination - part I.</p> <p>C52. Clinical examination-Part II.</p> <p>*Procedures performed during individual clinical classes are adapted to the preventive and therapeutic needs of patients.</p>	F.W2., .W4., F.W5.,F.W6., F.W11., F.W12, F.W19 ., F.W21., F.W22., F.U7., F.U8., F.U9., F.U15., C.U11., K.01., K.02.
7. LITERATURE		
Obligatory		
1. Sturdevant's Art and 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 4. Textbook of Endodontology, Bjørndal L., Kirkevang L-L., Whitworth J., 3rd Edition Wiley-Blackwell, 2018		
Supplementary		
1. Pickard's Guide to Minimally Invasive Operative Dentistry, Avit Banerjee A., Watson T.F., 10th Edition, Oxford University Press, 2015 2. Dental Caries: The Disease and its Clinical Management, Fejerskov O Nyvad B, Kidd E. 3rd Edition, Wiley-Blackwell, 2015 3. Pathways of the Pulp, Berman L.H., Hargreaves K.M., 12th edition, Elsevier, 2020, 4. Endodontics, principles and practice, Torabinejad M., Walton R.E., 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
F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22., F.U7., F.U8., F.U9., F.U15., C.U11., K.01., K.02.	<p>Attendance at seminars and exercises is obligatory.</p> <p>A condition for passing the clinical classes is a positive assessment by the teacher conducting clinical classes, confirming the acquisition of the ability to perform specific procedures, reliable maintenance of medical records and a proper attitude towards the patient and medical staff.</p> <p>During the academic year, 2 absences from clinical classes, justified by a medical exemption, are allowed. Additional absences from clinical classes, confirmed by a medical exemption, require making up the classes. The date and form of credit for the exercises should be determined individually with the teacher of the class.</p> <p>Any absence from the seminar must be justified by a medical exemption and requires a passing grade. The date and form of credit for seminars should be determined individually with the dental teacher.</p> <p>The first term of the seminars' verifying test is in the test form. The second term of the test - oral (or test) credit - at the teaching assistant. In case of failure to pass the 1st and 2nd terms- the final, 3rd way of verifying knowledge is an oral colloquium at the Head of the Department, by prior arrangement. A negative result of the verifying test will result in failure of the course.</p> <p>Credit for the course is given on the basis of active participation in seminars, passing the verifying test in the field of knowledge presented at seminars as well as receiving a positive evaluation from the teacher conducting clinical classes.</p> <p>Admission to the diploma examination is possible after completion of the clinical classes and passing the seminar verifying test. The diploma examination consists of a 2-part practical exam (patient examination, initial treatment plan, completion the procedure of conservative dentistry with endodontics).and theoretical test.</p> <p>Passing the practical test permits taking the theoretical test</p>	<p>Test verifying knowledge from seminars consists of 25 questions - 3 distractors and 1 correct answer.</p> <p>To pass, a minimum of 60% correct answers is required (15 points).</p> <p>Grading scale:</p> <p>15-16 points: grade 3, 17-18 points: grade 3.5, 19-21 points: grade 4, 22-23 points: grade 4.5, 24-25 points: grade 5.</p> <p>The test examination contains 100 questions- 3 distractors, 1 answer is correct. To pass, a minimum of 55 % correct answers is required</p> <p>Grading scale for the test exam:</p> <p>Less than 55pct - 2.0 55- 64 pts - 3.0 65- 74 pts - 3.5 75- 84 pkt - 4.0 85- 94 pkt - 4.5 95- 100 pkt - 5.0</p> <p>Not failing the test will result in a negative final grade on the diploma exam.</p> <p>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</p> <p>Scale of final grades in the course:</p> <p>3.0-3.25 - 3.0 (sufficient) 3.3-3.75 - 3.5 (fairly good) 3.8-4.25 - 4.0 (good) 4.3-4.75 - 4.5 (above good) 4,8-5,0 - 5,0 (very good)</p>
9. ADDITIONAL INFORMATION		
<ol style="list-style-type: none"> The knowledge conveyed in lectures and seminars includes new information and concepts and is assessed in quizzes and the final exam. In order to complete the course, it is necessary to pass the clinical classes, pass the colloquium of seminars and lectures. The first term of the colloquium is in the test form. The second term of the colloquium - oral (or test) credit - at the teaching assistant. In case of failure to pass the 1st and 2nd terms- the final, 3rd way of verifying knowledge is an oral colloquium at the head of the Department, by prior arrangement. A negative result of the colloquium will result in failure of the course. It is required to report to classes on time, comply with sanitary requirements for procedures and personal protective equipment, do not use cell phones during classes. 		

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(stanowiącej załącznik do zarządzenia nr 68/2024 Rektora WUM z dnia 18 kwietnia 2024 r.)

4. Student Scientific Circle at the Department of Conservative Dentistry, Medical University of Warsaw. Circle supervisor:
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5. Contact: Department of Conservative Dentistry, Medical University of Warsaw, Binieckiego 6, 02-097 Warsaw.
Tel.: 22 116 64 46. E-mail: sekretariat.zachowawcza@wum.edu.pl
6. The supervisor of the course is Magdalena Sobecka-Frankiewicz DDS - magdalena.sobecka-frankiewicz@wum.edu.pl

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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers