Conservative dentistry and endodontics

1. IMPRINT

Academic Year	2026/2027
Department	Medical and Dental Faculty
Field of study	English Division Dentistry
Main scientific 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 / Educational Units	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 / Heads of Educational Units	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 magdalena.sobecka-frankiewicz@wum.edu.pl
Teachers	prof. Agnieszka Mielczarek - agnieszka.mielczarek@wum.edu.pl DDS, PhD Ewa Iwanicka-Grzegorek - ewa.iwanicka-grzegorek@wum.edu.pl DDS, PhD Aniela Brodzikowska - aniela.brodzikowska@wum.edu.pl DDS, PhD Marcin Aluchna - marcin.aluchna@wum.edu.pl DDS, PhD Joanna Rudnicka - joanna.rudnicka@wum.edu.pl DDS, PhD Ewa Rusyan - ewa.rusyan@wum.edu.pl DDS, PhD Aneta Zduniak - aneta.zduniak@wum.edu.pl DDS,PhD Milena Marcinkowska–Ziemak – milena.marcinkowska-ziemak@wum.edu.pl DDS, PhD Tomasz Gajewski – tomasz.gajewski@wum.edu.pl DDS, PhD

	Juliusz Kosewski- Juliusz.kosewski@wum.edu.pl DDS, PhD Konrad Michałowski - konrad.michalowski@wum.edu.pl DDS, PhD Marta Ciechowicz – marta.ciechowicz@wum.edu.pl DDS Anna Haładyj - anna.haladyj@wum.edu.pl DDS Paulina Korzeniewska – paulina.korzeniewska@wum.edu.pl DDS Anna Kwiatkowska - anna.kwiatkowska@wum.edu.pl DDS Iwona Raczycka - iwona.raczycka@wum.edu.pl DDS Magdalena Sobecka-Frankiewicz - magdalena.sobecka-frankiewicz@wum.edu.pl DDS Katarzyna Buczek - katarzyna.wiecek@wum.edu.pl DDS Jarosław Witecki - jaroslaw.witecki@wum.edu.pl DDS Marcin Zawadziński - marcin.zawadzinski@wum.edu.pl DDS Przemysław Zwierz - przemyslaw.zwierz@wum.edu.pl DDS Katarzyna Król-Barej – katarzyna.krol-barej@wum.edu.pl DDS Karolina Koronowska – karolina.koronowska@wum.edu.pl DDS Karolina Obroniecka- krolina.obroniecka@wum.edu.pl DDS Anna Niedziela-Hejmej- anna.niedziela-hejmej@wum.edu.pl DDS

2. BASIC INFORMATION

Year and semester of studies	V year, IX i X semester	**Number of ECTS credits**	11

FORMS OF CLASSES **Contacting hours with academic teacher**	**Number of hours**	**ECTS credits calculation**
Lecture (L)	-	-
Seminar (S)	15	0,6
Classes (C)	125	5,0
e-learning (e-L)	-	-
Practical classes (PC)	-	-
Work placement (WP)	-	-
Unassisted student's work		
Preparation for classes and completions	135	5,4

3. COURSE OBJECTIVES

C1	Formulating a comprehensive treatment plan for the dental patient
C2	Performing a full range of prophylactic treatments
C3	Improving the ability to diagnose and treat diseases of teeth and periapical tissues using current standards
C4	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 the effect of learning in accordance with standards of learning	**Effects in field of**
Knowledge – Graduate* knows and understands:	
F.W2.	principles of prophylactic and therapeutic procedures in diseases of the masticatory system at various stages of development;
F.W4.	symptoms, course and management in selected diseases of the oral cavity, head and neck, considering age groups;
F.W5.	principles of management in the case of diseases of the pulp and mineralized dental tissues
F.W6.	principles of management in the case of diseases of the periapical tissues;
F.W11.	indications and contraindications for esthetic dentistry procedures;
F.W12.	causes of complications of the stomatognathic system diseases and the principles of management in case of such complications;
F.W19.	pathomechanism of the influence of oral cavity diseases on general health;
F.W21.	prophylaxis of oral diseases;
F.W22.	principles of management in the case of diseases of the tissues of the masticatory organ and dental, jaw and facial injuries;
Skills– Graduate* is able to:	
F.U7.	determine indications and contraindications for a specific dental procedure;
F.U8.	conduct treatment of acute and chronic, odontogenic and non-odontogenic inflammatory processes within soft tissues of the oral cavity, periodontium and jaws;
F.U9.	proceed in the event of general and local complications during and after dental procedures;
F.U15.	establish treatment in diseases of the stomatognathic system tissues;
C.U11	select restorative, prosthetic and bonding biomaterials based on the properties of the materials 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 in field of:
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	the importance of continuous improvement of knowledge and skill

6. CLASSES

Form of class	Class contents	Effects of Learning
seminars	S.1. Discussion of clinical cases *Etiology, diagnosis, and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 1)*	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19.
	S.2. Discussion of clinical cases *Etiology, diagnosis, and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 2)*	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22
	S.3. Discussion of clinical cases *Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 3)*	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 *Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 1)*	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19.
	S.5. Use of dental materials in clinical practice *Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 2)*	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 *Bioactive materials, characteristics, indications, practical demonstration*	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22
	S.7. Use of dental materials in practice *Aesthetic restorations of teeth, working techniques, preparation principles, correct preparation of the filling, clinical cases*	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	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.

Clinical classes	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. Clinical classes topics*: C1-C2. Performing preventive and therapeutic procedures in simulated conditions C3. – C10. Examination of the oral cavity with regard to potentially malignant conditions, Communication with the dental patient. C11. – C30. Planning and performing preventive and therapeutic procedures for healthy patients and those with systemic diseases. C31. – C36. Planning and performing preventive and therapeutic procedures for geriatric patients. C37. - C.39. Differential diagnosis of dental pain. C40. – C41. Administration of appropriate medications during and after dental procedures to relieve pain and anxiety. C42. - C43. Indications and principles for the use of antibiotics in the treatment of odontogenic infections in immunocompetent and immunocompromised patients. C44. – C46. Prevention of potential complications of endodontic treatment. C47. – C49. Monitoring and assessment of the effectiveness of root canal treatment. C48. – C50. Revision of endodontic treatment - indications, procedure. C51. Clinical exam - part I. C52. Clinical exam - part II. *Procedures performed during individual clinical classes are adapted to the preventive and therapeutic needs of patients.	 C1.-C2. -F.U15., C.U11., K.01., K.02. C3.-C10. -F.U7., F.U15., K.01., K.02. C11.-C30. - F.U7., F.U8., F.U9., F.U15., C.U11., K.01., K.02. C31.-C36. - F.U7., F.U8., F.U9., F.U15., C.U11., K.01., K.02. C37.-C39. - F.U8., F.U9., F.U15., K.01., K.02. C40.-C41. - F.U8., F.U9., F.U15., K.01., K.02. C42.-C43. - F.U8., F.U9., F.U15., K.01., K.02. C44.-C46. - F.U7., F.U8., F.U9., F.U15., K.01., K.02. C47.-C49. - F.U7., F.U8., F.U9., F.U15., K.01., K.02. C48.-C50. - F.U7., F.U8., F.U9., F.U15., K.01., K.02. C48.-C50. - F.U7., F.U8., F.U9., F.U15., 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. Tronstadt 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,

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.,	*The completion of the course is based on active participation in seminars, passing a colloquium regarding the knowledge presented in the seminars, and receiving a positive grade from the teacher conducting the clinical classes.* *Required MINIMUM procedures completed in the 5th year:* *5 fillings:* *- 2 on the occlusal surface* *- 2 on the cervical surface* *- 1 on the interproximal surface* *- 2 teeth treated endodontically (including one molar)* *Attendance at seminars and exercises is mandatory. During the academic year, 2 absences from exercises are allowed if justified by a medical certificate. Additional absence from exercises due to health reasons, confirmed by a medical certificate, requires making up for the classes. The date and form of completing the classes must be arranged individually with the assistant conducting the course.* *Every absence from a seminar must be justified by a medical certificate and requires completion. The date and form of completing the classes must be arranged individually with the assistant conducting the seminar.* *The condition for passing the exercises is a positive assessment from the instructor conducting the clinical classes, confirming: the acquisition of skills in performing specific procedures and maintaining accurate medical documentation, as well as a proper attitude towards the patient and medical personnel.* *The condition for being allowed to take the final exam is the completion of the exercises and passing the colloquium from the seminars. The first colloquium date is in a test format. The second colloquium date is an oral (or test) assessment with the assistant conducting the classes. In the case of failing the first and second colloquium dates, an oral colloquium with the head of the department will take place, after prior agreement on the date. A negative result on the colloquium results in failing the subject.* *The final exam consists of a two-part clinical examination (including a practical part - patient examination, preliminary treatment plan, execution of a procedure in the field of conservative dentistry with endodontics, and an oral discussion of issues related to the presented case) and a theoretical exam. conducted in the form of a test. The passing of the clinical exam allows one to take the theoretical exam.* *Failure to pass the practical part of the diploma exam requires setting a resit date with the Head of the Department of Conservative Dentistry.* *Unjustified absence will be treated equally to a failing grade and failure to pass the exam.* *To justify absence from classes, tests, exams, or practical sessions, a student is required to notify the course coordinator or another person appointed by the head of the unit by email or in writing no later than three working days after the day the class,*	*Test verifying knowledge from seminars consists of 25 questions - 3 distractors and 1 correct answer.* *To pass, a minimum of 60% correct answers is required (15 points).* *Grading scale:* *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.* *The test examination contains 100 questions- 3 distractors, 1 answer is correct.* *Failing the test results in failing diploma exam.* *To pass, a minimum of 55 % correct answers is required* *Grading scale for the test exam:* *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*

	test, exam, or practical session took place. Late submission of an excuse is allowed if the student couldn't provide it for a valid reason; in that case, the document should be submitted as soon as the reason for the absence no longer applies. *The condition for taking an exam scheduled outside the regular exam session is to have passed the course. A student has three exam attempts, with the second and third attempts being retakes.* *In the case of a second attempt at a course retake or a second attempt at an exam retake, the student can ask the Dean to allow an observer appointed by the student council to be present at the retake or exam.* *The Dean may agree to let a student take a committee exam or retake if there are valid concerns about the conduct of the exam or retake.*	

9. ADDITIONAL INFORMATION

1. The knowledge imparted in lectures and seminars takes into account new information and concepts and is enforced at credit colloquia and at the diploma exam.
2. To be admitted to the diploma exam and to complete the course, it is necessary to pass the clinical classes and pass the verifying test of seminars. The first term of the verifying test is in written test form. The second term is in the oral or written test form (responsible person- teaching assistant). In the case of failure in 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 to pass the course.
3. Supervisor of the 5th year EDD is Juliusz Kosewski DDS, PhD: juliusz.kosewski@wum.edu.pl
4. It is required to report to classes on time, comply with sanitary requirements for procedures and personal protective equipment, and disallowed to use cell phones during classes.
5. At the Department of Conservative Dentistry of WUM there is a Student Scientific Club. The supervisor of the is Dr. Ewa Rusyan, M.D.: e-mail: ewa.rusyan@wum.edu.pl
6. Unit contact: Department of Conservative Dentistry, WUM, 6 Binieckiego St., 02-097 Warsaw, tel: 22 116 64 46, e-mail: sekretariat.zachowawcza@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