



## Periodontology And Oral Mucosa Diseases

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2022/2023
<b>Department</b>	Faculty of Dental Medicine
<b>Field of study</b>	Dental-Medical Studies
<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>	<sup>1</sup> Department of Periodontology and Oral Diseases, University Center of Dentistry, Bynieckiego 6, 02-097 Warsaw, phone.: +48 22 116 64 31 e-mail: <a href="mailto:sluzowki@wum.edu.pl">sluzowki@wum.edu.pl</a> <sup>2</sup> Department of Dental Microbiology, 1a Banacha Street, Block E, 1st floor, phone: (0-22) 599-17-77

<b>Head of Educational Unit / Heads of Educational Units</b>	1 dr hab. n. med. Jan Kowalski 2prof. dr hab. n. med. Marta Wróblewska
<b>Course coordinator</b> (title, First Name, Last Name, contact)	Dr hab.n.med. Jan Kowalski, e-mail: jkowalski@wum.edu.pl
<b>Person responsible for syllabus</b> (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Dr hab.n.med. Jan Kowalski, e-mail: jkowalski@wum.edu.pl
<b>Teachers</b>	Dr n.med. Andrzej Miskiewicz, e-mail: <a href="mailto:andrzej.miskiewicz@wum.edu.pl">andrzej.miskiewicz@wum.edu.pl</a> Prof. dr hab.n.med. Marta Wróblewska, email: marta.wroblewska@wum.edu.pl

## 2. BASIC INFORMATION

<b>Year and semester of studies</b>	2 <sup>nd</sup> Year, III and IV semester	<b>Number of ECTS credits</b>	2.0
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)			
Seminar (S)		20	0.6
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		10	0.4
Work placement (WP)			
<b>Unassisted student's work</b>			
Preparation for classes and completions		30	1.0

## 3. COURSE OBJECTIVES

O1	Gaining knowledge about the etiology of periodontal diseases
O2	Gaining knowledge about the prophylaxis of periodontal diseases
O3	Basics of the classification for periodontal diseases and conditions

**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)

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

C.W30.	Mechanisms leading to organ and systemic pathologies including infectious, invasive, autoimmune, immunodeficient, metabolic and genetic diseases
C.W31.	The impact on the patient's body of physical, chemical and biological factors as well as avitaminosis and stress
C.W32.	Basic clinical procedures of periodontal prophylaxis
F.W2	Principles of prophylactic and therapeutic procedures in diseases of the masticatory system at various stages of development
F.W3	Viral, bacterial and fungal flora of the oral cavity and its importance
F.W9.	Diagnostics and methods of treatment of periodontitis and oral mucosa diseases
F.W21.	Prophylaxis of oral diseases

**Skills– Graduate\* is able to:**

C.U15.	Plan the basic stages of prophylactic care for patients in the area of periodontal needs
F.U2.	Conduct a dental physical examination of the patient

\* 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)

<p><b>Number of effect of learning</b></p>	<p><b>Effects of learning in time</b></p>
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**Knowledge – Graduate knows and understands:**

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**Skills– Graduate is able to:**

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**Social Competencies – Graduate is ready for:**

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<b>6. CLASSES</b>		
<b>Form of class</b>	<b>Class contents</b>	<b>Effects of Learning</b>
Seminars	<p><b>Seminars – <sup>1</sup>Dr n.med. Andrzej Miskiewicz, <sup>2</sup>Prof. dr hab.n.med. Marta Wróblewska</b></p> <p><sup>2</sup>S1. New periopatogens in the light of metagenomic studies. Latest research regarding periopatogens in oral cavity. Discussion on the microbiologic methods of examining the biofilm with the reference to dentistry.</p> <p><sup>1</sup>S1. Dental biofilm. Biofilm formation, microbiological profile, pathophysiological mechanisms; physiological and pathological microflora, bacterial complexes, biofilm colonization mechanisms, supra- and subgingival biofilm, direct and indirect toxicity mechanisms.</p> <p><sup>1</sup>S2. Risk factors and local factors. Systemic and local risk factors for periodontal diseases. Factors facilitating biofilm colonization; indicators, risk factors. Retention factors. Factors facilitating hyposalivation.</p> <p><sup>1</sup>S3. Prophylaxis of periodontal diseases. I, II and III degree of prophylaxis. Oral hygiene instructions. Patient's motivation, methods of staining bacterial deposits. Oral hygiene indices. Primary, secondary and tertiary prophylaxis. Methods of staining dental plaque. Oral hygiene indices.</p> <p><sup>1</sup>S4. Home prophylaxis. Mechanical methods of fighting dental biofilm. Methods of toothbrushing. Mechanical methods of removing dental plaque. Methods of toothbrushing. Manual and electric toothbrush. Presentation of equipment</p> <p><sup>1</sup>S5. Chemical methods of eliminating dental plaque. Oral antiseptics. Antibacterial agents used in mouthwashes and dentifrices.</p> <p><sup>1</sup>S6. Repetition of knowledge. Presentation of the individualized oral hygiene instruction</p> <p><sup>1</sup>S7. Professional prophylaxis. Professional removal of dental biofilm. Manual and mechanical scaling. Principles of professional plaque removal. Differences between manual and mechanical scaling.</p> <p><sup>1</sup>S8. Professional cleaning. Equipment and technique of manual biofilm removal, . Presentation of equipment.</p> <p><sup>1</sup>S9. Periodontal equipment. Equipment and technique of mechanical biofilm removal. Tooth polishing and root planing. Presentation of equipment.</p> <p><sup>1</sup>S10. Scaling. Indications and contraindications for scaling. Periodontal examination. Anamnesis and patient's examination. Dental examination including hygiene and inflammatory state indices. Principles of patients</p>	<p>F.W3.</p> <p>C.W30., F.W3.</p> <p>C.W30.,C.W31., C.W32.,F.W2.,F.W21.</p> <p>F.W2.,F.W21.</p> <p>F.W2.,F.W21</p> <p>C.W32.,F.W9.,F.W21.</p> <p>F.W2., F.W21.</p> <p>C.W32., F.W21.</p> <p>C.W32.</p> <p>C.W32.</p> <p>C.W30.,C.W31., C.W32., F.W2.</p>

	<p>examination. Phases of examination. Principles of dental examination. Clinical parameters of periodontal state used in periodontology.</p> <p><sup>1</sup>S11. Periodontal chart. Evaluation of clinical periodontal parameters and their registration in patient's chart: pocket depth, clinical attachment loss, furcation involvement, tooth mobility. Presentation of periodontal chart, principles of periodontal charting.</p> <p><sup>1</sup>S12. New classification for periodontal diseases and conditions. Basics of periodontal diagnostics.</p> <p><sup>1</sup>S13 . Colloquium</p>	<p>C.W32.</p> <p>F.W9.</p>
Practical classes	<p><b>Practical classes - Dr n.med. Andrzej Miskiewicz</b></p> <p>PC 1. PC 2. Anamnesis and clinical examination (each other in pairs). Staining dental deposits. Calculation of the plaque index. Proper oral hygiene instructions. Presentation of tools for manual and mechanical scaling. Contents: Anamnesis and clinical examination (each other in pairs). Staining dental deposits. Calculation of the plaque index. Proper oral hygiene instructions. Presentation of tools for manual and mechanical scaling.</p> <p>PC3. Evaluation of the clinical periodontal parameters, and their registration in charts. Examining each other in pairs. Contents: Evaluation of the clinical periodontal parameters, and their registration in charts. Examining each other in pairs.</p> <p>PC4. Presentation of tools for manual and mechanical scaling, work with phantoms. Contents: Presentation of tools for manual and mechanical scaling, work with phantoms.</p> <p>PC5. Work with phantoms, passing the classes. Contents: work with phantoms.</p>	<p>F.U2.,C.U15.</p> <p>F.U2.,C.U15.</p> <p>F.U2.,C.U15.</p> <p>F.U2.,C.U15.</p>

## 7. LITERATURE

### Obligatory

"Periodontology.The essentials". HP Mueller, Thieme Verlag 2005

### Supplementary

## 8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
C.W30.,C.W31., C.W32.,F.W2., F.W3., F.W9., F.W21.	Presence, preparation of theory and active participation in the classes and passing the tests.	Active participation in seminars. Threshold of passing the tests – 60%.

	Passing with the presentation concerning individualized oral hygiene instructions.	
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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)

Terms of making up the absences are to be settled with the assistant.

One absence in semester is allowed in case of sickness (validated with sick leave) or serious life events. Being late more than 15 mins is treated as an absence.

*Department site (including information in English for EDD): [periodontologia.wum.edu.pl](http://periodontologia.wum.edu.pl)*

*Students report to the classes equipped in medical wear with the identity plaque containing name and surname of the student as well as the year of studies.*

*Wi kindly ask students to be in contact with the Coordinator, and check info in the mailbox before the classes start.*

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