



## Pediatric dentistry and Dental Prophylaxis

<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 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>	Exam
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	Department of Paediatric Dentistry of WUM Binieckiego 6 street 02-097 Warsaw phone number 22 116 64 24

<b>Head of Educational Unit / Heads of Educational Units</b>	prof. dr hab. n. med. Dorota Olczak-Kowalczyk	
<b>Course coordinator</b> (title, First Name, Last Name, contact)	prof. dr hab. n. med. Dorota Olczak-Kowalczyk	
<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. n. med. Iwona Sobiech iwosobiech@op.pl tel. 501-199-486 pedodoncja@wum.edu.pl	
<b>Teachers</b>	dr hab. n. med. Anna Turska-Szybka dr n. med. Iwona Sobiech dr n. med. Halszka Boguszewska-Gutenbaum dr n. med. Emil Korporowicz dr n. med. Paula Piekoszewska-Ziętek dr n. med. Angelika Kobylńska lek. stom. Piotr Sobiech lek. dent. Małgorzata Dudek lek. dent. Maja Lipiec lek. dent. Sara Shamsa lek. dent. Joanna Góra lek. dent. Magdalena Świątkowska-Bury lek. dent. Andrzej Kołodziejczyk lek. dent. Michał Gefrerer lek. dent. Karolina Spodzieja lek. dent. Gabriela Grochowska lek. dent. Wiktoria Schabowska.	anna.turska-szybka@wum.edu.pl iwona.sobiech@wum.edu.pl halszka.boguszewska@wum.edu.pl emil.korporowicz@wum.edu.pl ppiekoszewska@wum.edu.pl angelika.kalinska@wum.edu.pl piotr.sobiech@wum.edu.pl malgorzata.dudek@wum.edu.pl maja.lipiec@wum.edu.pl sara.shamsa@wum.edu.pl joanna.gora@wum.edu.pl magdalena.swiatkowska@wum.edu.pl andrzej.kolodziejczyk@wum.edu.pl michal.gefrerer@wum.edu.pl karolina.spodzieja@wum.edu.pl ggrochowska@wum.edu.pl wschabowska@wum.edu.pl

<b>2. BASIC INFORMATION</b>			
<b>Year and semester of studies</b>	5 <sup>th</sup> year, 9 <sup>th</sup> semester	<b>Number of ECTS credits</b>	6.00
<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)*		4	0,2
Discussions (D)		90	3,6
e-learning (e-L)		-	-
Practical classes (PC)		-	-
Work placement (WP)		-	-

<b>Unassisted student's work</b>		
Preparation for classes and completions	56	2,2

\* real-time e-learning classes

<b>3. COURSE OBJECTIVES</b>	
O1	Developing skills in recognizing and differentiating oral pathologies in patients of developmental age.
O2	Developing practical skills to prepare students for self-employment in the care of children and adolescents aged 0 to 18 in the field of developmental dentistry.
O3	Developing practical skills in the field of keeping medical records.

<b>4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING</b> <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>

**Knowledge – Graduate\* knows and understands:**

D.W6.	know the basic psychological mechanisms related to functioning of a person in health and illness
D.W7.	know the regularities of a person's mental health and the family's role in the treatment process
D.W9.	recognise the mechanisms of dealing with stress and its role in the etiopathogenesis and course of diseases
F.W2.	know and understand the mechanisms leading to organ and system pathologies (including infectious, invasive, autoimmune, resistance deficiency, metabolic and genetic diseases)
F.W3.	viral, bacterial and fungal flora of the oral cavity and its importance
F.W4.	know the viral, bacterial and mycotic flora of the oral cavity and its role
F.W5.	know the symptoms, course and management of specific diseases of the oral cavity, head and neck in different age groups
F.W6.	know the principles related to administration of local anaesthesia of masticatory organ tissues
F.W7.	know the procedures in case of diseases affecting the pulp and mineralised tooth tissues, as well as tooth and face bone injuries
F.W8.	know the procedures in case of periapical diseases
F.W9.	know the morphology of tooth cavities, principles of endodontic treatment and instruments used in performing it
F.W13.	know the indications and contraindications related to performance of aesthetic dentistry treatments

F.W14.	know the etiology and principles of treatment of complications within the stomatognathic system
F.W15.	know and understands the basics of antibiotic therapy and antibiotic resistance
F.W17.	know therapeutic methods to be used for limitation and counteracting pain, minimisation of fear and stress
F.W19.	know the principles of anaesthesia in dental procedures and the basic pharmacological products
F.W21.	know the principles of radiological diagnostics
F.W22.	know and understand the pathomechanism of oral cavity diseases onto the overall health condition.

**Skills– Graduate\* is able to:**

D.U1.	during the therapeutic process, take into account subjective needs and expectations of the patient, resulting from social and cultural conditions
D.U4.	build a confidence based atmosphere during the whole diagnostic and treatment process
D.U8.	apply the basic scope of psychological motivating and supporting interventions
F.U1.	conduct the medical interview with the patient or the patient's family
F.U2.	conduct the physical examination of the patient
F.U3.	explain to the patient the issue of the patient's problems, identifies the method of treatment confirmed with the patient's informed consent, and the prognosis
F.U4.	sample and protect materials for diagnostic examinations, including cytological examinations
F.U6.	interpret the results of additional examinations
F.U7.	determine indications to perform a certain dental procedure
F.U8.	know the principles of oral prophylaxis
F.U9.	know the procedures in case of masticatory organ tissue diseases, tooth and jaw bone injuries
F.U10.	conduct the treatment of acute and chronic, tooth related and non-tooth related inflammatory processes of oral cavity soft tissues, periodontium and jaw bones
F.U11.	manage the general and local complications during and after dental procedures
F.U12.	prescribe drugs, taking into account their interactions and side effects
F.U13.	maintain the patient's up to date documentation, refers for specialized dental and medical examinations
F.U15.	advise treatment of diseases of stomatognathic system tissues;
F.U17.	select and performs appropriate tests indicating the count of cariogenic bacteria in the oral cavity
F.U19.	apply appropriate drugs during and after the dental procedure, in order to relieve pain and fear
G.U9.	plan and implements promotional activities related to the population's health condition

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

<b>5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)</b>	
<b>Number of effect of learning</b>	<b>Effects of learning i time</b>
<b>Knowledge – Graduate knows and understands:</b>	
<b>Skills– Graduate is able to:</b>	
<b>Social Competencies – Graduate is ready for:</b>	

<b>6. CLASSES</b>		
<b>Form of class</b>	<b>Class contents</b>	<b>Effects of Learning</b>
<b>Repetitive seminars</b>	<p><b>*S1</b> - Seminar 1 - Reproduction of knowledge concerning the diagnosis and treatment of dental carious and non carious teeth tissue and developmental defects of dentition based on analysis of the medical documentation of selected clinical cases</p> <p><b>*S2</b> - Seminar 2 - Repetition of selected treatment procedures used in pediatric dentistry (treatment of caries disease, pulpitis, traumatic damage of teeth) based on the analysis of photos of specific clinical cases presented on slides.</p> <p><b>* real-time e-learning classes</b></p>	<p>F.W5., F.W9., F.W13., F.W14., F.W21., F.W22., F.U1., F.U6., F.U8., F.U10., F.U11.</p> <p>F.W7. F.W8., F.W15., F.U7., F.U8., F.U9., F.U12., F.U13.</p>
<b>Practice</b>	<p><b>P</b> - Practice - Subject and object examination of the patient, determination of individual treatment plan, prevention and treatment in hard tissue, treatment of pulp and peripental diseases, diagnostic and therapeutic treatment after trauma of milk and permanent teeth, extraction of milk teeth, diagnosis of mucosal diseases. Oral cavity and periodontal tissues in patients with developmental age, treatment with non-cooperating patient, dental treatment in children with chronic diseases. Carrying out medical documentation, ordering and interpreting additional test results</p>	<p>D.U1., D.U4., D.U8., F.U1.,F.U2., F.U3., F.U4., F.U6., F.U7., F.U8., F.U9.,F.U10., F.U11.F.U12., F.U13.,F.U15., F.U17.,F.U19., G.U9.</p>

\* classes will take place in the form of a stationary session in the seminar room of the Department of Paediatric Dentistry, room 3.74

<b>7. LITERATURE</b>
<b>Obligatory</b>
<ol style="list-style-type: none"> <li>1. Współczesna stomatologia wieku rozwojowego. Olczak-Kowalczyk D, Szczepańska J., Kaczmarek U. Med Tour Press International, Otwock 2017.</li> <li>2. Pediatric Dentistry Cameron A.C., Widmer R.P., Polish second edition edited U. Kaczmarek, Urban &amp; Partner, Wrocław 2013.</li> <li>3. Introduction to Pediatric Dentistry edited by D. Olczak-Kowalczyk and L. Wagner, WUM, Warsaw, 2012.</li> <li>4. Prevention and Treatment of Caries in Children edited by D. Olczak-Kowalczyk and L. Wagner, Borgis Medical Publishing House, Warsaw, 2013.</li> </ol>

5. Farmacology of Dental Infections in Children and Adolescents edited by D. Olczak-Kowalczyk, Med. Tour Press International, Otwock, 2015.

#### Supplementary

1. The Endodontics of the Developmental and Mature Age by Maria Baranska-Gachowska, edited by Lidia Postek-Stefanska, Czelej, Lublin, 2011, issue.2.
2. New Dentistry, Quarterly, Borgis Medical Publishing House. Warsaw
3. Dental Carries edited by Ole Fejerskov and Edwina A.M. Kidd ; Blackwell Munksgaard 2015
4. Textbook and color atlas of traumatic injuries to the teeth (4th edition) (2018) J. Andreasen, F. Andreasen & L. Andersson UK: Blackwell Munksgaard
5. Pediatric Dentistry: A Clinical Approach, 3rd Edition (2017) G. Koch, S. Poulsen, I. Espelid, D. Haubek
6. Journal Of Stomatology, Termedia
7. After Traumatic Damage of Teeth Andreasen J.O. and second edition of Polish edited by U Karczmarek, Urban & Partner, Wroclaw, 2012.
8. Diseases of the Mucous Membrane and Periodontium of the Developmental Age edited by D. Olczak-Kowalczyk and R. Górska, Warsaw Medical University, 2009.

## 8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
F.W5., F.W7. F.W8., F.W9., F.W13., F.W14., F.W15., F.W21., F.W22.	<b>S1, S2</b> - Evaluation by the teacher conducting the preparation for the individual topics of the seminars and participation in the substantive discussion.	Obtaining a positive assessment of the lead teacher. Attendance at all seminars is mandatory, in the event of a justified absence, the appointment assistant must set the date and form of crediting.
D.U1.,D.U4.,D.U8., F.U1.,F.U2.,F.U3., F.U4.,F.U6.,F.U7., F.U8.,F.U9.,F.U10., F.U11.,F.U12., F.U13.,F.U15., F.U17.,F.U19., G.U9.	<b>P</b> - Preliminary test for clinical classes, including pediatric dentistry knowledge gained during lectures and seminars for II, III and IV year of study.  Correct patient examination, treatment plan and prophylactic and therapeutic treatment in patient.	The test (20 questions) includes obtaining over 55% of correct answers. The clinical course cycle ends with a practical diploma exam.  <u>Assessment - criteria</u> 2.0 (ndst) <12 points 3.0 (acc.) 12-13 points 3.5 (ddb) 14-15 points 4.0 (db) 16-17 points 4.5 (pdb) 18-19 points 5.0 (very good) 20 points The first and second dates of the test have a test form. In the case of failure, a commission colloquium may take place only with the consent of the Head of Department. The grade of the preliminary test is included in the final grade of the subject. One excused absence is allowed.  The clinical course cycle ends with a practical diploma exam.  <u>When issuing the practical exam grade, the following are considered:</u> subjective and physical examination (4 points), caries risk assessment (3 points), assessment of the initial treatment plan (4 points), clinical management (6 points), attitude towards the patient ( 3 points). A maximum of 20 points can be obtained. Assessment Criteria 2.0 (ndst) <11 points

		<p>3.0 (access) 11-12 points 3.5 (ddb) 13-14 points 4.0 (db) 15-16 points 4.5 (pdb) 17-18 points 5.0 (very good) 19-20 points</p> <p><b>The condition of passing the subject is passing the diploma exam (practical and theoretical - test).</b> The grade for the theoretical exam is determined after the evaluation of the test exam. The minimum necessary to pass the test exam - 60%. The final grade is a weighted average, of which 10% is the final test, 10% is the practical, 20% is the practical and 60% theoretical.</p>
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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)

1. The subject "Paediatric dentistry and Dental Prophylaxis" is carried out at the Department of Pediatric Dentistry of the Medical University of Warsaw.
2. Person responsible for teaching in the fifth year - Iwona Sobiech, PhD
4. Information on consultation hours is placed on the notice board in the Department and on the Department's website <http://pedodoncja.wum.edu.pl/>
5. The student shall enter the classes in protective clothing (including footwear for a change) and with an identifier containing the information: student, year, name, surname. Bags must be stored in cabinets located in clinical rooms.  
Non-compliance with occupational health and safety rules is unacceptable.
6. Please arrive at the class on time. Being late 15 min is treated as absence.
7. Mobile phones are not allowed during classes and in clinical rooms.
8. Student Scientific Circle at the Department of Pediatric Dentistry, Medical University of Warsaw:  
Trustee SSC – Phd. Anna Turska – Szybka  
Department of Pediatric Dentistry, Medical University of Warsaw, ul. Binieckiego 6, 02-097 Warsaw, phone: 22 116 64 24, e-mail: [pedodoncja@wum.edu.pl](mailto:pedodoncja@wum.edu.pl) [anna.turska-szybka@wum.edu.pl](mailto:anna.turska-szybka@wum.edu.pl)

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