



Paediatric Dentistry and Dental Prophylaxis

1. IMPRINT																			
Academic year	2023/2024																		
Department	Faculty of Dental Medicine																		
Field of study	English Dentistry Division																		
Leading discipline	Medical Sciences																		
Profile of studies	General Academic																		
Level of education	Uniform MSc																		
Form of study	Full-time program																		
Module/Course Type	Obligatory																		
Form of verification of effects Learning	Passing																		
Guiding Unit/Guiding Units	Department of Paediatric Dentistry, Medical University of Warsaw, Binieckiego 6, 02-097 Warsaw, phone: 22 116 64 24 e-mail: pedodoncja@wum.edu.pl																		
Head of Unit(s)	Prof. Dorota Olczak-Kowalczyk, MD, PhD																		
Course Coordinator	Prof. Dorota Olczak-Kowalczyk, MD, PhD dorota.olczak-kowalczyk@wum.edu.pl																		
Person in charge of the syllabus	Piotr Sobiech, MD, PhD piotr.sobiech@wum.edu.pl																		
Lecturers	<table border="0"> <tr> <td>Prof. Dorota Olczak-Kowalczyk, MD, PhD</td> <td>dorota.olczak-kowalczyk@wum.edu.pl</td> </tr> <tr> <td>Anna Turska-Szybka MD, PhD</td> <td>anna.turska-szybka@wum.edu.pl</td> </tr> <tr> <td>Halszka Boguszewska-Gutenbaum, MD, PhD</td> <td>halszka.boguszewska@wum.edu.pl</td> </tr> <tr> <td>Iwona Sobiech, MD, PhD</td> <td>iwona.sobiech@wum.edu.pl</td> </tr> <tr> <td>Piotr Sobiech, MD, PhD</td> <td>piotr.sobiech@wum.edu.pl</td> </tr> <tr> <td>MD, PhD Paula Piekoszewska-Ziętek</td> <td>ppiekoszewska@wum.edu.pl</td> </tr> <tr> <td>Angelika Kobylińska, MD, PhD</td> <td>angelika.kalinska@wum.edu.pl</td> </tr> <tr> <td>Katarzyna Białoszewska, MD, PhD</td> <td>katarzyna.bialoszewska@wum.edu.pl</td> </tr> <tr> <td>Dr. Dent. Małgorzata Dudek</td> <td>malgorzata.dudek@wum.edu.pl</td> </tr> </table>	Prof. Dorota Olczak-Kowalczyk, MD, PhD	dorota.olczak-kowalczyk@wum.edu.pl	Anna Turska-Szybka MD, PhD	anna.turska-szybka@wum.edu.pl	Halszka Boguszewska-Gutenbaum, MD, PhD	halszka.boguszewska@wum.edu.pl	Iwona Sobiech, MD, PhD	iwona.sobiech@wum.edu.pl	Piotr Sobiech, MD, PhD	piotr.sobiech@wum.edu.pl	MD, PhD Paula Piekoszewska-Ziętek	ppiekoszewska@wum.edu.pl	Angelika Kobylińska, MD, PhD	angelika.kalinska@wum.edu.pl	Katarzyna Białoszewska, MD, PhD	katarzyna.bialoszewska@wum.edu.pl	Dr. Dent. Małgorzata Dudek	malgorzata.dudek@wum.edu.pl
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	Dr. Dent. Maja Lipiec Dr. Dent. Michael Gefrerer Dr. Dent. Gabriela Grochowska Dr. Dent. Andrzej Kołodziejczyk Dr. Dent. Sara Shamsa-Nieckula Dr. Dent. Karolina Spodzieja Dr. Dent. Wiktoria Mól Dr. Dent. Renata Węgrzyn Dr. Dent. Barbara Kapuścińska	maja.lipiec@wum.edu.pl michal.gefrerer@wum.edu.pl ggrochowska@wum.edu.pl andrzej.kolodziejczyk@wum.edu.pl sara.shamsa@wum.edu.pl karolina.spodzieja@wum.edu.pl wiktoria.mol@wum.edu.pl renata.wegrzyn@wum.edu.pl barbara.kapuscinska@wum.edu.pl
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2. BASIC INFORMATION

Year & Semester Study	III year, V and VI semester	Number of Points ECTS	3.00
FORM OF CONDUCTING CLASSES		Number of hours	Calculation of ECTS credits
Contact hours with the academic teacher			
lecture (L) (in the form of e-learning)		10	0.4
seminar (S)		11	0.44
exercises (E)		31	1.24
e-learning (e-L)			
practical classes (PC)			
Apprenticeship (PP)			
Independent student work			
Preparation for classes and completions		23	0.92

3. COURSE OBJECTIVES

C1	Mastering the knowledge allowing for the diagnosis and differentiation of pathologies within the oral cavity in the field of pediatric dentistry.
C2	Acquiring skills that allow for the diagnosis and differentiation of pathologies within the oral cavity in the field of pediatric dentistry.
C3	Mastering the ability to independently perform preventive and therapeutic procedures of oral diseases in the field of pediatric dentistry and to keep medical records.

4. STANDARD OF EDUCATION – SPECIFIC LEARNING OUTCOMES

Code and the number of the learning outcomes in accordance with standards of learning	Effects in terms of scope <i>(in accordance with the appendix to the Regulation of the Minister Science and of Higher Education of 26 July 2019)</i>
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Knowledge – The graduate* knows and understands:

F.W2.	Principles of prophylactic and therapeutic management of masticatory diseases at different stages of development
F.W3.	the viral, bacterial and fungal flora of the oral cavity and its significance
F.W4.	symptoms, course and management of specific diseases of the mouth, head and neck, including various age of the patient
F.W5.	rules of management in the case of diseases of pulp and mineralized tissues of teeth, as well as injuries to teeth and facial bones
F.W6.	rules of management in the case of periapical tissue diseases
F.W7.	morphology of dental cavities and principles of endodontic treatment as well as instruments used in this treatment
F.W15.	therapeutic methods of reducing and relieving pain and reducing anxiety and stress
F.W16.	principles of anesthesia in dental procedures and basic pharmacological agents
F.W18.	principles of radiological diagnostics
F.W19.	pathomechanism of the impact of oral diseases on general health
F.W21.	prevention of oral cavity diseases

Skills – The graduate* is able to:

F.U1.	conduct a medical interview with the patient or his/her family
F.U2.	perform a dental physical examination of the patient
F.U3.	explain to the patient the nature of his/her ailments, determine the method of treatment confirmed by the patient's informed consent, and prognosis
F.U6.	interpret the results of additional tests and consultations
F.U7.	determine indications and contraindications for a specific dental procedure
F.U8.	he treats acute and chronic, odontogenic and non-odontogenic inflammatory processes of soft tissues of the oral cavity, periodontium and jaw bones.
F.U10.	prescribe medications taking into account their interactions and side effects

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F.U11.	keep current patient records, write referrals for examinations or specialist treatment dental and general medical
F.U13.	present selected medical problems orally or in writing, in a manner appropriate to the level of audience
F.U14.	assess the risk of caries using bacteriological tests and saliva tests
F.U16.	use appropriate medications during and after dental surgery to relieve pain and anxiety

**In the appendices to the Regulation of the Minister of Science Higher Education of 26 July 2019, a "graduate" is mentioned, not a student*

5. OTHER LEARNING OUTCOMES	
Learning outcome number	<i>(optional)</i> Effects in the field of
Knowledge – The graduate knows and understands:	
W1	
W2	
Skills – The graduate is able to:	
U1	
U2	
Social competences – the graduate is ready to:	
K1	
K2	

6. CLASSES		
Form of classes	Curriculum content	Learning Outcomes
Lectures	L1 – Lecture 1 e-learning on the platform during the winter semester A child in the dentist's office. Dealing with the child non-cooperative. Stages of psychosocial development. Dental care of the child and caregivers and the quality of cooperation. Communication with the child and caregiver in the dental environment. Behavioural methods of shaping child's behaviour Indications and methods of pharmacological preparation child for a dental procedure. Eligibility rules for treatment under general anesthesia and the choice of treatment methods.	F.W15. F.W16.

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<p>Seminars</p>	<p>S2- Seminar 2. Behavioural methods of shaping the child’s dental attitude. Pharmacological sedation, shallow sedation, local and general anesthesia</p> <p>Ways and techniques of anesthesia in children. Indications and contraindications for sedation and general anesthesia. Assessing anxiety and how to deal with it.</p>	<p>.</p> <p>F.W15.</p> <p>F.W16.</p>
	<p>S3- Seminar 3. Management of caries according to the level of risk. Diagnosis of caries. Choice of treatment methods and therapeutic agents. Caries Risk Assessment – CAMBRA, diet and oral hygiene. Diagnostic methods – X-rays, transilluminescence, QLF. Fluoride prophylaxis, protection of pits and fissures.</p> <p>S4- Seminar 4. Treatment techniques: infiltration, PRR I, PRR II, ART, preparation rules for the cavities in deciduous and permanent teeth with incomplete root development.</p> <p>S5- Seminar 5. Methods of treatment of pulpopathy in milk teeth. Treatment techniques. Pulp amputations: mortal, biological, ferrous sulfate, formocresol.</p>	<p>F.W2.</p> <p>F.W3.</p> <p>F.W18.</p> <p>F.W2.</p> <p>F.W21.</p> <p>F.W5.</p> <p>F.W6.</p> <p>F.W7.</p>
<p>Exercise</p>	<p>Exercise 1: Health and safety at work. Post-exposure procedure. Discussion of the principles of work in the Department.</p> <p>Exercise 2: Interview, examination of the patient. Rules of Conduct patient's medical records.</p> <p>Exercise 3: Behavioural methods of shaping Patients’ behaviour in the office</p> <p>Exercise 4: Tooth decay: definition, etiology, epidemiology. Classifications of caries.</p> <p>Exercise 5: Diagnosis of caries: qualitative and quantitative methods.</p> <p>Exercise 6: Fluoride caries prevention – home and Professional.</p>	<p>F.U1.</p> <p>F.U2.</p> <p>F.U3.</p> <p>F.U6.</p> <p>F.U7.</p> <p>F.U8.</p> <p>F.U10.</p>

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	<p>Exercise 7: Non-fluoride methods for preventing tooth decay.</p> <p>Exercise 8: Assessing the risk of tooth decay.</p> <p>Exercise 9: Prevention and treatment plan.</p> <p>Exercise 10: Fissure sealing, PRR-1, PRR-2.</p> <p>Exercise 11: Principles of cavities preparation in milk teeth and immature permanent teeth.</p> <p>Exercise 12: Impregnation – indications, contraindications, procedure, possible complications.</p>	<p>F.U11. F.U13. F.U14. F.U16.</p>
	<p>Exercise 13: Infiltration - indications, contraindications, procedure, possible complications.</p> <p>Exercise 14: Treatment of pulp diseases in deciduous dentition.</p> <p>Exercise 15: Completing the exercises.</p> <p>During each exercise, students establish a diagnostic, prophylactic and therapeutic plan and perform prophylactic procedures, prophylactic and treatment according to the patient's needs.</p>	

7. LITERATURE

Mandatory

1. Contemporary Dentistry of the Developmental Age edited by Dorota Olczak-Kowalczyk, Joanna Szczepańska, Urszula Kaczmarek. Med.Tour Press International. Ed. I. Otwock 2017.
2. Compendium of Developmental Dentistry edited by Prof. Dorota Olczak-Kowalczyk, MD, PhD. MED TOUR PRESS INTERNATIONAL. Ed. I , 2023
3. Procedures in paediatric dentistry, eds. Olczak-Kowalczyk D., Piekoszevska-Ziętek P. Medical University of Warsaw, Warsaw, 2023.

Supplementary

1. Prevention and treatment of caries in children, edited by Dorota Olczak-Kowalczyk and Leopold Wagner, Warsaw, Borgis 2013.
2. Endodontics of the developmental and mature age by M. Barańska-Gachowska, ed. L. Postek-Stefańska, 2nd edition.
3. New Dentistry, quarterly, Borgis Medical Publishing House. Warsaw.

8. METHODS OF ASSESSMENT OF LEARNING OUTCOMES

Symbol of the learning outcome in question	Ways of verifying learning outcomes	Passing criterion
F.W2. F.W3. F.W4. F.W5.	Test (20 single-choice questions, 3 distractors, and 1 correct answer) – concerning the knowledge gained in seminars and Exercises	Test colloquium > 55% correct answers Assessment Criterion 2.0 (NDST) <12 points
F.W6. F.W7.	The first and second dates of the colloquium are in the form of a test. In the case of non-passing, the commission colloquium may be held only with the consent of the Head of the Department of Paediatric Dentistry.	3.0 (dst) 12-13 points 3.5 (ddb) 14-15 points

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F.W15. F.W16. F.W18. F.W19. F.W21.	Teacher's assessment of the performance of the required procedures preventive and treatment measures, the maintenance of medical records and attitudes towards the patient and their caregivers.	4.0 (db)	16-17 pts
F.U1. F.U2. F.U3. F.U6. F.U7. F.U8. F.U10. F.U11.		4.5 (pdb)	18-19 pts
		5.0 (bdb)	20 points
		Passing the exercises by teacher.	
		Passing the seminars by teacher.	
F.U13. F.U14. F.U16.			

9. ADDITIONAL INFORMATION

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1. The subject "Paediatric Dentistry and Dental Prophylaxis" is carried out at the Department of Paediatric Dentistry of the Medical University of Warsaw.
2. The lectures convey the latest reports, consensus and the latest standards in the field of pediatric dentistry. Attendance at lectures is an essential element for the acquisition of modern knowledge and at the same time is an element of exam questions. During the lectures, the attendance list is verified.
3. Attendance at all seminars and tutorials is mandatory, in case of absence you must ask the assistant teacher to determine the date and form of the assessment. In the case of absences justified by sick leave, it is obligatory to take the exercise at a different time until the end of a given semester. Absence or failure to take any excused absences at another time or failure to carry out prophylactic and therapeutic procedures or insufficient knowledge conditioning their proper performance will result in an unsatisfactory grade in the exercises, which results in failing the course.
4. The first and second dates of the colloquium are in the form of a test. In case of failing, the commission colloquium may be held only with the consent of the Head of the Department of Paediatric Dentistry.
5. Person responsible for teaching in the third year – dr n.med. Piotr Sobiech
6. Information on consultation hours is posted on the notice board in the Department and on the Department's website <http://pedodoncja.wum.edu.pl/>
7. A student comes to the classes in protective clothing (including a change of shoes) and with an ID badge containing the following information: student, year, first name, last name. Bags must be stowed away in cabinets located in clinical rooms.
8. It is unacceptable to not comply with the rules of health and safety at work.
9. Please be punctual for class. Late arrival of more than 15 minutes is treated as an absence.
10. Mobile phones are not allowed during classes and in clinical rooms.
11. Final colloquium - The first and second dates of the colloquium are in the form of a test. In case of failure to pass the first and second term, the committee colloquium may be held only with the consent of the Head of the Department.
12. In order to pass the exercises, the teacher conducting the clinical classes must pass a positive assessment confirming the acquisition of the ability to perform specific procedures, reliable keeping of medical records and the right attitude towards patient and staff. Obtaining an unsatisfactory grade in the exercises results in failing the course.
13. Students' Scientific Club at the Department of Paediatric Dentistry of the Medical University of Warsaw:

Supervisor of SKN - Anna Turska-Szybka MD, PhD

Department of Paediatric Dentistry, Medical University of Warsaw, 6 Binięckiego Street, 02-097 Warsaw, Poland, tel.: 22 116 64 24, e-mail: pedodoncja@wum.edu.pl anna.turska-szybka@wum.edu.pl

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REMARK

The final 10 minutes of the last class in the block/semester/year should be used by students to complete the Course and Academic Teacher Evaluation Questionnaire