



Comprehensive dentistry of developmental age

1. IMPRINT	
Academic Year	2025/2026
Department	Faculty of Medicine and Dentistry
Field of study	English Dentistry Division
Main scientific discipline	Medical Sciences
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	Completion
Educational Unit / Educational Units	Department of Pediatric Dentistry, Medical University of Warsaw Medycznego, Binieckiego 6 Street, 02-097 Warszawa, tel.: 22 116 64 24 e-mail: pedodoncja@wum.edu.pl Department of Orthodontics, Medical University of Warsaw Medycznego, Binieckiego 6 Street, 02-097 Warszawa, tel.: 22 116 64 54 e-mail: ortodoncja@wum.edu.pl Department of Child Neurology, Medical University of Warsaw Pediatric Hospital, Żwirki i Wigury 63A Street, 02-091 Warszawa; tel 22 317 96 81 e-mail: neurologia.dsk@uckwum.pl
Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Dorota Olczak-Kowalczyk Prof. dr hab. n. med. Małgorzata Zadurska dr hab. n. med. Krystyna Szymańska
Course coordinator	dr n. med. Paula Piekoszewska-Ziętek ppiekoszewska@wum.edu.pl
Person responsible for syllabus	Department of Paediatric Dentistry - dr n. med. Paula Piekoszewska-Ziętek ppiekoszewska@wum.edu.pl

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Teachers	Department of Paediatric Dentistry dr hab. n. med. Anna Turska-Szybka anna.turska-szybka@wum.edu.pl dr n. med. Iwona Sobiech iwona.sobiech@wum.edu.pl dr n. med. Halszka Boguszevska-Gutenbaum halszka.boguszevska@wum.edu.pl dr n. med Paula Piekoszewska-Ziętek ppiekoszewska@wum.edu.pl dr n. med Angelika Kobylńska angelika.kalinska@wum.edu.pl lek. dent. Małgorzata Dudek malgorzata.dudek@wum.edu.pl lek. dent. Maja Lipiec maja.lipiec@wum.edu.pl dr n med. Sara Shamsa-Nieckula sara.shamsa@wum.edu.pl lek. dent. Andrzej Kołodziejczyk andrzej.kolodziejczyk@wum.edu.pl lek. dent. Michał Gefrerer michal.gefrerer@wum.edu.pl lek. dent Karolina Spodzieja karolina.spodzieja@wum.edu.pl lek. dent. Kamila Mochocka kamila.mochocka@wum.edu.pl lek. dent. Wiktoria Mól wiktoria.mol@wum.edu.pl lek.dent. Barbara Kapuścińska barbara.kapuscinska@wum.edu.pl lek.dent. Renata Węgrzyn renata.wegrzyn@wum.edu.pl lek. dent. Natalia Dacyna natalia.dacyna@wum.edu.pl Department of Orthodontics dr hab. n. med. Ewa Czochrowska ewa.czochrowska@wum.edu.pl dr n. med. Konrad Perkowski konrad.perkowski@wum.edu.pl dr n. med. Magdalena Marczyńska –Stolarek magdalena.marczynska-stolarek@wum.edu.pl dr n. med. Monika Walerzak mwalerzak@wum.edu.pl dr n med. Anna Ewa Widmańska-Grzywaczewska anna.widmanskagrzywaczewska@wum.edu.pl dr n. med. Dorota Kuśmierczyk d.kusmierczyk@wum.edu.pl dr n. med. Agnieszka Jurek agnieszka.jurek@wum.edu.pl dr n. med. Małgorzata Laskowska malgorzata.laskowska@wum.edu.pl dr n. med. Justyna Poddebniak justyna.poddebniak@wum.edu.pl dr n. med. Martyna Czerkies martyna.czerkies@wum.edu.pl dr n. med. Katarzyna Mańka-Malara katarzyna.manka-malara@wum.edu.pl lek. dent. Konrad Kamiński konrad.kaminski@wum.edu.pl lek. dent. Katarzyna Regulska katarzyna.regulska@wum.edu.pl Department of Child Neurology dr n. med. Małgorzata Bilśka malgorzata.bilska@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	V year, IX semester	Number of ECTS credits	3.00
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FORMS OF CLASSES	Number of hours	ECTS credits calculation
Contacting hours with academic teacher		
Lecture (L)	0	0
Seminar (S)	4	0,16
Exercises (E)	36	1,44
e-learning (e-L)		
Practical classes (PC)		
Professional practice (PP)		
Independent student's work		
Preparation for classes and completions	35	1,40

3. COURSE OBJECTIVES	
C1	Ability to interpret general medical history, results of dental medical history and physical examination.
C2	Ability to develop an initial plan of dental management and specialist consultations and additional tests and interpretation of the results.
C3	Ability to plan dental care, including the prevention of oral diseases and conservative, surgical, periodontal, orthodontic and prosthetic treatment, taking into account cooperation and the patient's general health (choice of treatment and treatment methods, the need to prepare for treatment, post-operative care).
C4	Ability to maintain patient medical records.
C5	Assimilate the knowledge of orthodontic prophylaxis in children with malocclusion requiring team treatment.
C6	Learn the principles of a holistic approach to the orthodontic patient.
C7	Management of malformations of the facial part of the skull requiring interdisciplinary treatment.

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:	

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E.W1.	the relationship between morphological abnormalities and the function of altered organs and systems, as well as clinical symptoms and diagnostic and treatment options
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.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.W20.	pathomechanism of the impact of general diseases or therapies on the oral cavity
F.W23.	the specificity of dental care for a patient burdened with a general disease and the principles of cooperation with the physician in charge of the underlying disease

Skills – Graduate* is able to:

F.U1.	conduct a medical interview with the patient or his family
F.U2.	conduct a dental physical examination of the patient
F.U3.	explain to the patient the essence of his ailments, establish the treatment method confirmed by the patient's informed consent and the prognosis
F.U4.	provide the patient or his family with information about an unfavorable prognosis
F.U5.	collect and preserve material for diagnostic tests, including cytological tests
F.U6.	interpret the results of additional tests and consultations
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.U10.	prescribe medications taking into account their interactions and side effects
F.U11.	keep current patient records, prescribe referrals for tests or for a specialized dental and medical treatment
F.U13.	present selected medical problems in oral or written form, in a manner adequate to the level of recipients
F.U15.	establish treatment in diseases of the stomatognathic system tissues
F.U16.	use appropriate medications during and after dental surgery to relieve pain and anxiety
F.U18.	diagnose, differentiate and classify malocclusion

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F.U21.	conduct prophylactic treatment to prevent malocclusion in the period of primary and early mixed dentition
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* 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	
Number of effect of learning	(optional) Effects of learning
Knowledge – *Graduate knows and understands:	
W1	
W2	
Skills– *Graduate is able to:	
U1	
U2	
Social Competencies – *Graduate is ready for:	
K1	
K2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars	Department of Paediatric Dentistry (2 h): S1- Seminar 1 - Principles of planning dental care for the developmental age patient. The seminar deals with examination of the patient, assessment of dental preventive and therapeutic needs, interpretation of results of additional examinations., cooperation with the child and his/her caregivers. Preparation of a treatment plan taking into account the patient's individual needs and general condition.	F.W2. , F.W4., F.W12., F.W19., F.W20., F.W23. E.W1., F.W2
	Department of Orthodontics (2 h): S1 - Introductory seminar: Team treatment of defects of the masticatory organ. The seminar includes information on the specifics of therapeutic management of patients with congenital malformations, with neurological disorders, patients with disabilities, after trauma to the teeth and jawbone, after treatment of malignant diseases; agreement on a common management plan in the context of the sequence of	

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	procedures, the type of procedures and the time of their implementation.	
Exercises	Department of Paediatric Dentistry (24 h): 6 Exercises E1-E6, including: medical and dental interview, dental examination, diagnosis of oral diseases, determination of preventive and therapeutic needs; planning and interpreting the results of consultations and additional examinations, developing a treatment plan and performing preventive and therapeutic procedures in the field of pediatric dentistry. E1 - Examination of patients of developmental age E2 - Examination of patients of developmental age E3 - Preventive procedures in patients of developmental age E4 - Preventive procedures in patients of developmental age E5 - Treatment procedures in patients of developmental age E6 - Treatment procedures in patients of developmental age Department of Orthodontics (12 h) 4 Exercises: The first is carried out together with the Department of Pediatric Dentistry. During the exercises, the student independently conducts a medical and dental interview, conducts a complete and focused dental examination, differentiates the correct and abnormal form of occlusion, evaluates normal and abnormal functions of the masticatory organ, taking into account patients requiring interdisciplinary treatment, among others with congenital malformations of the craniofacial region, dental abnormalities, neoplastic diseases, taking into account the impact of pharmacotherapy of underlying conditions on the planned treatment; plans procedures in the field of orthodontic prophylaxis, plans additional examinations and specialized consultations, communicates professionally with doctors of other specialties in planning interdisciplinary treatment. The student assists in planning interdisciplinary dental treatment of patients up to the age of 18. E1 - Orthodontic procedures in developmental age patients E2 - Orthodontic procedures in developmental age patients E3 - Orthodontic procedures in developmental age patients E4 - Orthodontic procedures in developmental age patients. Department of Child Neurology (2 h): E1- conducted by a team of doctors from the Department of Pediatric Dentistry and the Department of Pediatric Neurology - analysis of medical records, dental examination, determination of dental preventive and therapeutic needs, principles of dental management of a chronically ill child.	F.U1., F.U2., F.U3., F.U4., F.U5., F.U6., F.U7., F.U8., F.U9., F.U10., F.U11., F.U13., F.U15., F.U16., F.U18. F.U1, F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U13., F.U15., F.U18., F.U21. F.U1., F.U2., F.U3., F.U4., F.U5., F.U6., F.U11., F.U13., F.U15., F.U18.

7. LITERATURE

Obligatory

1. Współczesna Stomatologia Wieku Rozwojowego. Pod red. Olczak-Kowalczyk D, Szczepańskiej J i Kaczmarek U. Med Tour Press International, 2017. (chapters 10 and 12)
2. Compendium of Pediatric Dentistry. Under the editorship of prof. dr hab. n. med. Olczak-Kowalczyk D. Med. Tour Press International, 2023. (rozdział 8)
3. Farmakoterapia zakażeń stomatologicznych u dzieci i młodzieży. Pod red. Olczak-Kowalczyk D, Med. Tour Press International, 2015.
4. Zarys współczesnej ortodencji. Pod red. Karłowskiej I. PZWL, 2008.
5. ABC Materiałów i Technik Ortodontycznych. Pod red. Komorowskiej A. Polskie Towarzystwo Ortodontyczne, 2009.
6. Procedures in Paediatric Dentistry (handbook). Under the editorship of D. Olczak-Kowalczyk i P. Piekoszewskiej Ziętek. Warszawa 2023.

Supplementary

1. Choroby błony śluzowej i przyzębia wieku rozwojowego. Pod redakcją Olczak-Kowalczyk D i Górskiej R, Warszawski Uniwersytet Medyczny, 2009.
2. Ortodencja Współczesna. Proffit WR, Elsevier Urban & Partner, 2009.
3. Wybrane choroby dziedziczne i wady rozwojowe w praktyce stomatologicznej. Pod red. Siemińskiej-Piekarczyk B i Zadurskiej M. Med Tour Press International, 2008.
4. Stomatologia dziecięca. Cameron A.C., Widmer R.P., wydanie polskie drugie pod redakcją Kaczmarek U, Urban & Partner, 2013.
5. Czasopismo Stomatologiczne, PTS.
6. Forum Ortodontyczne. PTO.
7. Stomatologia Współczesna. Med. Tour Press International.
8. Nowa Stomatologia. Borgis.

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
Department of Paediatric Dentistry		
F.W2., F.W4., F.W12., F.W19., F.W20., F.W23.	Oral review of preparation for the seminar. During the seminar, the teacher asks questions to all seminar participants.	Active participation in the seminar, providing correct answers to the teacher's questions. Failure to answer a question will result in failure to pass the seminar and the need

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		for an oral answer from the scope of the seminar.
F.U1., F.U2., F.U3. F.U4., F.U5., F.U6., F.U7., F.U8., F.U9., F.U10., F.U11., F.U13., F.U15., F.U16., F.U18.	Evaluation of the activities performed in accordance with the exercise plan. Test colloquium (20 single-choice questions, 3 distractors and 1 correct answer) - on the knowledge acquired at seminars and discussions. The first and second terms of the colloquium have a test form. In the event of failure, a committee colloquium can be held only with the consent of the Head of the Department of Pediatric Dentistry. Literature: „Compendium of Pediatric Dentistry” chapter 8, „Współczesna stomatologia...” chapters 10 and 12. Preparation of a clinical case presentation (in groups of 2-3 people) from the Department of Pediatric Dentistry or the Department of Neurology. Components of the presentation: 1. Presentation of the results of the patient's examination, consultation and results of additional tests. (5 pts) 2. Determination of dental preventive and therapeutic needs. (5 pts) 3. Dental management plan. (5 pts) 4. Performed preventive and therapeutic procedures. (5pts)	Active participation in exercises Test colloquium > 60% correct answers Criterion score 2.0 <12 pts. 3.0 12-13 pts. 3.5 14-15 pts. 4.0 16-17 pts 4.5 18-19 pts 5.0 20 pts. Presentation preparation. Evaluation is based on content, delivery and discussion skills. A total of 20 points to be earned, 5 points for each component of the presentation. Evaluation Criterion 2.0 <12 pts. 3.0 12-13 pts. 3.5 14-15 pts. 4.0 16-17 pts 4.5 18-19 pts 5.0 20 pts.
Department of Orthodontics		
E.W.1, F.W2.	Oral review of preparation for the seminar.	Active participation in the seminar, providing correct answers to the teacher's questions
F.U1.,F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U13., F.U15., F.U18., F.U21.	Evaluation of the activities performed in accordance with the discussion plan. Test colloquium (10 single-choice questions, 2 points per question , 3 incorrect answers and 1 correct answer to choose from) - concerning the knowledge acquired at seminars and discussions. The first and second terms of the colloquium have a test form. In the case of failure, a commission colloquium can be held only with the consent of the Head of the Department. Preparation of a presentation of a clinical case from the Department of Orthodontics. Components of the presentation:	Active participation in discussions Test colloquium > 60% correct answers Criterion score 2.0 <12 pts. 3.0 12-13 pts. 3.5 14-15 pts. 4.0 16-17 pts 4.5 18-19 pts 5.0 20 pts. Presentation preparation. Evaluation is based on content, delivery and discussion skills.

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	1. Presentation of the results of the patient's examination, consultation and results of additional examinations. (5pts) 2. Determination of the dental preventive and therapeutic needs. (5 pts) 3. Dental management plan. (5 pts) 4. Performed preventive and therapeutic procedures. (5pts)	A total of 20 points to be earned, 5 points for each component of the presentation. Evaluation Criterion 2.0 <12 pts. 3.0 12-13 pts. 3.5 14-15 pts. 4.0 16-17 pts 4.5 18-19 pts 5.0 20 pts.
Department of Child Neurology		
F.U1., F.U2., F.U3., F.U4., F.U5., F.U6., F.U11., F.U13., F.U15., F.U18.	Evaluation of the activities performed in accordance with the discussion plan.	Active participation in discussions.

9. ADDITIONAL INFORMATION

The subject "Comprehensive Dentistry of Developmental Age" is taught at the Department of Paediatric Dentistry, the Department of Child Neurology (dental part) and the Department of Orthodontics (orthodontic part).
The content presented in the lectures is the transmission of the latest reports and standards in the field of pediatric dentistry and is included in the exam questions. At the lectures, the attendance list is verified.
During the e-learning seminars you must have a webcam on and a working microphone.
Please come to class on time. Late of more than 15 minutes is treated as an absence.
There is a Student Scientific Club at the Department of Pediatric Dentistry.
The supervisor of the Club is dr hab. Anna Turska-Szybka e-mail: anna.turska-szybka@wum.edu.pl
Link to the Department's website: <http://pedodoncja.wum.edu.pl>
There is a Student Scientific Club at the Department of Orthodontics.
The Club's supervisor is dr Magdalena Marczyńska-Stolarek, e-mail: magdalena.marczyńska-stolarek@wum.edu.pl
Link to the website of the Department of Orthodontics: <http://ortodoncja.wum.edu.pl>
Coordinator for the fifth year in the Department of Pediatric Dentistry:
Lek dent. Andrzej Kolodziejczyk email: andrzej.kolodziejczyk@wum.edu.pl
Coordinator for the fifth year in the Department of Orthodontics:
Dr.hab. Ewa Czołchowska, 22 116 64 54 email: ewa.czolchowska@wum.edu.pl
Classes coordinator: dr n. med. Paula Piekoszewska-Ziętek ppiekoszewska@wum.edu.pl
Attendance at all seminars and exercises is mandatory. In the case of an excused absence, the date and form of make up must be arranged with the teaching assistant.
Passing the course: The first and second term of the colloquium is in the form of a test. In the event of failing, the committee colloquium may take place only with the consent of the Head of the Department. The committee colloquium is oral and is conducted by a committee appointed by the Head of the Department.
Medical clothing and ID badges are required during the exercises. Please do not use mobile phones.

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ATTENTION

The last 10 minutes of the last class in the block/semester/year should be spent on completing the Course and Academic Teacher Evaluation Questionnaire by students