



Comprehensive dentistry of developmental age

1. IMPRINT	
Academic Year	2024/2025
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	<p>Department of Paediatric Dentistry, Medical University of Warsaw Medycznego, Blinieckiego 6 Street, 02-097 Warszawa, tel.: 22 116 64 24 e-mail: pedodoncja@wum.edu.pl</p> <p>Department of Orthodontics, Medical University of Warsaw Medycznego, Blinieckiego 6 Street, 02-097 Warszawa, tel.: 22 116 64 54 e-mail: ortodoncja@wum.edu.pl</p> <p>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</p>
Head of Educational Unit / Heads of Educational Units	<p>Prof. dr hab. n. med. Dorota Olczak-Kowalczyk Prof. dr hab. n. med. Małgorzata Zadurska dr hab. n. med. Krystyna Szymańska</p>
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

**Appendix No. 4A to the Procedure for the development and periodic review of study programs
(attached to the Ordinance No. 68/2024 of the Rector of the Medical University of Warsaw of 18 April 2024)**

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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.	relationship between morphological abnormalities and function of lesioned organs and systems and clinical symptoms and capacity for diagnosis and treatment.
F.W2.	zasady postępowania profilaktyczno- leczniczego w chorobach narządu żucia w różnym okresie rozwoju.
F.W4.	principles of prophylactics and treatment of masticatory apparatus diseases at different stages of development.
F.W12.	causes of complications in the stomatognathic system diseases and the procedures for such complications
F.W19.	pathomechanism of oral disease impact on general health
F.W20.	pathomechanism of general disease or applied therapies impact on the oral cavity
F.W23.	characteristics of dental care for patients with a general illness and the principles of cooperation with a medical doctor treating the underlying disease

Umiejętności – Absolwent* potrafi:

F.U1.	conduct a medical interview with the patient or their family
F.U2.	conduct a dental physical examination of the patient
F.U3.	explain the symptoms to the patient, determine the method of treatment confirmed by the patient's informed consent and prognosis
F.U4.	provide the patient or their family with information about poor prognosis
F.U5.	collect and secure material for diagnostic tests, including cytological tests
F.U6.	interpret results of additional tests and consultations
F.U7.	determine indications and contraindications for a specific dental procedure
F.U8.	treat acute and chronic, odontogenic and non-odontogenic inflammatory processes in soft tissues of the oral cavity, periodontium and jawbone
F.U9.	provide treatment in the event of general and local complications during and after dental procedures
F.U10.	prescribe drugs taking into account their interactions and side effects
F.U11.	keep current patient records, make referrals for dental and general medical examination or treatment
F.U13.	present selected medical issues verbally or in writing in a manner appropriate to the level of recipients
F.U15.	advise treatment of diseases of stomatognathic system tissues
F.U16.	use appropriate medications during and after the dental procedure to reduce pain and anxiety
F.U18.	diagnose, differentiate and classify malocclusion
F.U21.	carry out treatment to prevent malocclusion during the period of deciduous teeth and early teeth replacement

* 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	<i>(optional)</i> 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	<p>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. Prepare a treatment plan taking into account the patient's individual needs and general condition.</p> <p>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 procedures, the type of procedures and the time of their implementation.</p>	<p>F.W2. , F.W4., F.W12., F.W19., F.W20., F.W23.</p> <p>E.W1., F.W2</p>
Exercises	Department of Paediatric Dentistry (24 h):	F.U1., F.U2., F.U3., F.U4., F.U5., F.U6., F.U7., F.U8., F.U9., F.U10.,

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	<p>6 Exercises E1-E6, including: medical and dental history, 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.</p> <p>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</p> <p>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 history, 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.</p> <p>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.</p> <p>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.</p>	<p>F.U11., F.U13., F.U15., F.U16., F.U18.</p> <p>F.U1, F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U13., F.U15., F.U18., F.U21.</p>
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		F.U1., F.U2., F.U3., F.U4., F.U5., F.U6., F.U11., F.U13., F.U15., F.U18.
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7. LITERATURE

Obligatory

1. Współczesna Stomatologia Wieku Rozwojowego. Pod red. Olczak-Kowalczyk D, Szczepańskiej J i Kaczmarek U. Med Tour Press International, 2017. (rozdziały 10 i 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 ortodontcji. 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. Ortodontcja 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		

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F.W2., F.W4., F.W12., F.W19., F.W20., F.W23.	Oral review of preparation for the seminar. During the seminar, the presenter asks questions to all seminar participants.	Active participation in the seminar, providing correct answers to the instructor's questions. Failure to answer a question will result in failure to pass the seminar and the need 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.	<p>Evaluation of the activities performed in accordance with the exercise plan</p> <p>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.</p> <p>Literature: „Compendium of Pediatric Dentistry” chapter 8, „Współczesna stomatologia...” chapters 10 i 12.</p> <p>Preparation of a clinical case presentation (in groups of 2-3 people) from the Department of Pediatric Dentistry or the Department of Neurology.</p> <p>Components of the presentation:</p> <ol style="list-style-type: none"> 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) 	<p>Active participation in exercises</p> <p>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.</p> <p>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.</p>
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 instructor's questions
F.U1.,F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U13., F.U15. ,F.U18., F.U21.	<p>Evaluation of the activities performed in accordance with the discussion plan</p> <p>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.</p>	<p>Active participation in discussions</p> <p>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.</p>

	<p>Preparation of a presentation of a clinical case from the Department of Orthodontics.</p> <p>Components of the presentation:</p> <ol style="list-style-type: none"> 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) 	<p>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.</p>
Department of Child Neurology		
<p>F.U1., F.U2., F.U3., F.U4., F.U5., F.U6., F.U11., F.U13., F.U15., F.U18.</p>	<p>Evaluation of the activities performed in accordance with the discussion plan</p>	<p>Active participation in discussions</p>

9. ADDITIONAL INFORMATION

P 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. Tardiness 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.marczynska-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 Czochrowska, 22 116 64 54 email: ewa.czochrowska@wum.edu.pl

Classes coordinator: dr n. med. Paula Piekoszewska-Ziętek ppiekoszewska@wum.edu.pl

Attendance at all seminars and discussions is mandatory. In the case of an excused absence, the date and form of credit 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

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