



Paediatric Dentistry and Preventive Dentistry 5th year 2019/2020, summer (10) semester English Division

Responsible for the subject: Prof. Maciej Dobrzyński, DDS, PhD

Teaching entity: Department of Pediatric Dentistry, Wrocław, ul. Krakowska 26

Location: Dental surgeries No 404, 410; Krakowska 26, 4th floor

Number of hours: clinical classes – 60h (4x45 min = 180 min), lectures – 15h

Educational objective: extending theoretical knowledge and independent performance of clinical procedures in the area of pediatric dentistry

ECTS: 5

Group	Date	Lecture
A	26.04.21 – 30.04.21, godz. 14.00 – 18.30 04.05.21 - 10.05.21, godz. 8.00 – 12.30	M. Kowalczyk-Zajęc
B	25.05.21 – 31.05.21, godz. 14.00 – 18.30 01.06.21 - 09.06.21, godz. 8.00 – 12.30	D. Piesiak - Pańczyszyn
C	11.05.21 – 17.05.21, godz. 14.00 – 18.30 18.05.21 - 24.05.21, godz. 8.00 – 12.30	M. Gutbier
D	11.05.21 – 17.05.21, godz. 8.00 – 12.30 18.05.21 - 24.05.21, godz. 14.00 – 18.30	M. Berdzik-Janecka
E	22.03.21 – 26.03.21, godz. 14.00 – 18.30 29.03.21 - 09.04.21, godz. 8.00 – 12.30	J. Kobierska-Brzoza
F	08.03.21 – 12.03.21, godz. 14.00 – 18.30 15.03.21 - 19.03.21, godz. 8.00 – 12.30	A. Czajczyńska - Waszkiewicz
G	12.04.21 – 16.04.21, godz. 14.00 – 18.30 19.04.21 - 23.04.21, godz. 8.00 – 12.30	M. Berdzik - Janecka

Schedule of practical classes - 10th semester – summer semester

NUMBER OF CLINICAL CLASSES	TOPIC
1	I. Developmental defects of the dental hard tissue concerning the number and anatomical structure: clinical symptoms, differentiation and treatment procedures. II. Developmental defects of the dental hard tissue caused by environmental and genetic factors; teeth discoloration, developmental defects of dentin and cementum: clinical symptoms, differentiation, treatment procedures. III. Non-bacterial loss of hard dental tissues (abrasion, attrition, demastication, abfraction, erosion). Prevention of non-bacterial loss of dental tissues.
2	<u>Crediting test (1) from topics I – III</u>
3	IV. Infectious diseases in developmental age (clinical symptoms in oral cavity) – viral, bacterial, fungal (Candida albicans) infections. 2. Non-infectious changes, allergies, drug-induced changes. Children with special needs - physically and intellectually disabled, abused children. V. Dental treatment in children with systemic diseases (heart disease, bleeding disorders, immune disorders, kidney, liver, respiratory diseases - asthma, nervous system, diabetes, gastroesophageal reflux disease, hyperthyroidism and hypothyroidism, adrenal diseases, neoplastic diseases). Dental procedures before transplantation.
4	<u>Crediting test (2) from topics: IV- V</u>
5	VI. 1. Post-traumatic injuries of deciduous teeth: classification of injuries, interview, clinical and radiological examination, therapeutic procedures in particular types of injuries, schedule of follow-up visits. 2. Premedication, analgesic treatment in children. Local anesthesia in developmental age; indications, contraindications, technique, doses, types of solutions, local and general complications.

6	VII. 1.Post-traumatic injuries of immature permanent teeth: classification of injuries, interview, clinical and radiological examination, therapeutic procedures in particular types of injuries, prognosis, follow-up visits. Oral sedation ("conscious sedation"), intravenous sedation, deep sedation, inhalation sedation with nitrous oxide. General anesthesia in developmental age.
7	<u>Crediting test (3) from topics: VI – VII</u>
8	VIII. Teeth extractions and other surgical procedures of patients in developmental age; indications, contraindications, consequences. Antibiotic therapy in dental treatment of children. IX. Prosthetic treatment of patients in developmental age, treatment procedures in case of premature deciduous and permanent teeth loss, dental trauma and developmental defects. X. Disorders of calcium-phosphate metabolism with particular emphasis on changes in the masticatory system (hypocalcemia, hypercalcemia, hypophosphatemia, hyperphosphatemia).
9	Practical exam: patient form and dental treatment of a patient in developmental age.
10	<u>Final test from 10 semester (topics I – X) for completing the course.</u>

Schedule of lectures - 10th semester – summer semester

No	Date	Topic	Lecture
Lecture I	10.06.21 18.00 – 20.15	Developmental abnormalities of the dental hard tissue (disturbances of number, size, shape, structure, colour): aetiology, pathomechanism, clinical presentation, differentiation and treatment procedures.	Prof. Urszula Kaczmarek, DDS, PhD
Lecture II	11.06.21 18.00 – 20.15	Developmental abnormalities of the dental hard tissue (disturbances of number, size, shape, structure, colour): aetiology, pathomechanism, clinical presentation, differentiation and treatment procedures – continuation.	Prof. Urszula Kaczmarek, DDS, PhD
Lecture III	14.06.21 18.00 – 20.15	Children with systemic diseases – dental treatment procedures.	Prof. Urszula Kaczmarek, DDS, PhD
Lecture IV	15.06.21 18.00 – 20.15	Oral health promotion, educational programs addressed to specific groups of children and adolescents.	Prof. Urszula Kaczmarek, DDS, PhD
Lecture V	16.06.21 18.00 – 20.15	New trends in Pediatric Dentistry.	Prof. Urszula Kaczmarek, DDS, PhD

Forms of completing the course:

Credit form: theoretical knowledge and practical skills: final test, partial tests, obligatory practical procedures.

1. Practical classes:

- Attendance at all practical classes in the semester is obligatory according to Student's Statutory; three late arrivals (in total over 45 minutes) are considered as one absence.
- It is allowed to make up **one class** per semester with another group after obtaining a **written consent** of your tutor.
- It is the student's responsibility to prepare the subject of the scheduled class and this is a condition for admission to practical classes (passing before each exercise), unprepared student is only allowed to assist

2. Seminars:

- Attendance at all seminars is obligatory.
- Students participate in seminars in the groups designated by the Dean's Office, i.e. they do not change seminar groups.
- In the event of absence from the seminar or lack of preparation, the student is tested on the material with the tutor.
- Knowledge acquired at seminars is checked at a given seminar and marked.

3. Lectures:

- Attendance at all lectures is obligatory.
- The knowledge acquired during the lectures is checked and assessed during exercises.

Mandatory treatment procedures (in both semesters):

- investigation (filled in questionnaire, treatment plan) - at each new patient
- cavities preparations and fillings (deciduous and immature permanent teeth) - 15:
1-surface -5
2-surfaces -5
3 and more surfaces -5
- endodontic treatment of deciduous and immature permanent teeth – 3 (5 root canals)
- radiological interpretation – minimum 3 ;
- minimum two-time assistance during clinical procedures

Final exam: after 10 semester

Exam consists of two parts – practical and theoretical (test 100 questions). Both parts of the exam are treated synonymously, ie the exam must be awarded at least a satisfactory grade for each part of the examination, and admission to the second part of the examination is conditioned by the first part.

Obligatory literature:

1. Cameron A.C., Widmer R.P.: Handbook of pediatric dentistry. 3rd ed. Mosby, St. Louis 2011
2. Koch G., Poulsen S.: Pediatric dentistry: a clinical approach. Blackwell Munksgaard, Iowa 2009
3. Welbury R.R., Duggal M.S., Hosey M.T.: Pediatric dentistry. 3rd ed. Oxford University Press, Oxford 2005
4. Andreasen J.O., Bakland L.K., Flores M.T., Andreasen F.M.: Traumatic dental injuries. Manual. 2011

Recommended literature:

1. Scully C., Welbury R.: A color atlas of orofacial health and disease in children and adolescents: diagnosis and management. 2001
2. McDonald R.E., Avery D.R., Dean J.A.: Dentistry for the child and adolescent. Elsevier 2011
3. Pinkham J.R., Cassamassimo P.S., Fields, H.W., McTigue, D.J., Nowak, A.J.: Pediatric dentistry: infancy through adolescence. 4th edition 2005

Prepared

Reviewed

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