**3 year English Program – Academic year : 2022/ 2023**

**Thursday**

**Lectures 8:00-8:45 Practical classes: 8:45-10:15**

1. **Dr. Agnieszka Kus-Bartoszek:**

Dental examination of the child.

Teeth condition Assessment. Additional research. Medical records. Tooth diagram. Caries indicators (Caries Frequency, DMF, dmf, DMFt, SiC). Hygiene indicators (API, OHI-S, Pl.I.). Plaque staining agents.

1. **Dr. Agnieszka Kus-Bartoszek:**

* Caries prophylaxis (primary, secondary).
* Dental care for pregnant women.
* Hygienic procedures in the infant's mouth.
* Principles and methods of brushing teeth in children (Fones method, roll method, Bass method). Additional methods of cleaning (agents for cleaning interdental surfaces, toothpaste, tongue cleaning, rinses, xylitol).

1. **Dr. Agnieszka Kus-Bartoszek:**

* Fluoride prophylaxis part 1. Cariostatic mechanisms of fluoride action in the pre-eruption and post-eruption periods. Influence of fluorine on demineralization and remineralization processes on bacterial cell metabolism. The role of fluorapatites and calcium fluoride.
* Endogenous fluoride prophylaxis (fluoridation of water, salt, milk, fluoride tablets / drops) - indications, contraindications, dosage.

1. **Dr. Agnieszka Kus-Bartoszek:**

* Fluoride prophylaxis part 2. Individual exogenous (professional and home) and group fluoride prophylaxis. Fluoride preparations used (fluorine compounds, concentrations, doses, method of use, indications and contraindications).
* Safety of using fluoride compounds (sources of fluoride, toxic doses, acute and chronic fluoride poisoning - symptoms and management).

1. **Dr. Anna Jarząbek:**

* Caries Risk Assessment (causative factors of caries disease, prognostic factors, protective factors. CRA system, Cariogram).
* Saliva: Causes of salivation disorders in children and adolescents. The amount and speed of salivation. Salivary tests.
* Treatment planning. Preventive and therapeutic plan for primary, mixed and permanent dentition.

**6. Dr. Aleksandra Wdowiak**

* Caries of primary and permanent teeth - causes, diagnosis, diagnosis, course, types.
* Division of caries (due to course, advancement). Classification of caries according to Lasfenques, Kalek and Louis).
* Qualitative and quantitative methods of caries diagnosis.
* ECC (definition, causes, symptoms and characteristics). Caries infectivity windows.
* Features of deciduous teeth promoting tooth decay.
* Caries of immature permanent teeth (areas predisposed to caries, characteristics, factors favoring the formation.
* The consequences of untreated caries in children.

1. **Dr. Aleksandra Wdowiak**

* Methods of supporting remineralization: Carious stain (definition, histological and clinical picture, activity). Mechanism and conditions of remineralization of carious lesions limited to enamel (limiting the influence of bacteria, raising the pH of the oral environment, necessary ions). Stimulation of salivation (chewing gum, nutrition, pharmacological stimulation, etc.).
* Methods and agents used in remineralization of carious spots - fluorine (agents containing low and high concentrations of F ions), calcium and phosphate ions (ACP, CPP-ACP, CPP-ACPF, CSPS, TCP, hydroxyapatite).

1. **Dr. Aleksandra Wdowiak:**

* Minimally invasive caries treatment methods.
* Remineralization (definition, mechanism, preparations).
* Sealing (definition, types of furrows, indications, materials, rib technique).
* Infiltration, PRRI, PRRII, slit preparations, ART, CMCR, primary abrasion (definition, indications, materials, technique of surgery).
* Laser treatment of the defect, sonic treatment of the defect, ultrasonic (types, advantages, disadvantages).

1. **Dr. Aleksandra Wdowiak:**

* Invasive caries treatment methods.
* MID strategy.
* Materials recommended for filling cavities in children (types, advantages, disadvantages).
* Sandwich technique (types, materials, indications). Discussion (definition, advantages, disadvantages, materials).
* Impregnation (indications, contraindications, preparations, procedure technique, reasons for failure).
* Povidone iodine (preparations, indications).
* ITR - definition, indications, procedure.
* Steel crowns (indications, contraindications, stages of proceedings).

1. **Dr. Anna Manowiec:**

* Nutrition and oral health: Diet and odontogenesis (the importance of proteins, vitamins and microelements). A pyramid of nutrition and a healthy lifestyle. Method and quality of nutrition. Cariogenic and cariostatic food products. Probiotics in the prevention of caries.
* Method of assessing the patient's diet.
* The most common dietary mistakes in particular age groups.
* Dietary recommendations depending on the child's age.

1. **Dr. Anna Manowiec:**

* A child in the dental office. Factors affecting the child's behavior. Factors causing stress in the dental office. Anxiety assessment methods. Child behavior in terms of development (Frankel scale). Communication in the dental office.
* First adaptation visit ("knee-knee", "hold and heal").
* Behavioral methods (non-verbal communication method, say-show-do method, voice control method, positive reinforcement, distraction method, imitation-modeling method, pain signaling method, silencing-fading method, desensitization method for invasive treatment, negative aversive conditioning, selective parent exclusion, protective child stabilization method).
* Parental attitudes during child treatment.

1. **Dr. Magdalena Gońda-Domin**

* Pharmacological premedication. Indications. Contraindications in outpatient settings.
* Drugs used (midazolam, midazolam with ketamine, hydroxyzine) - effects, doses.
* Oral and topical analgesic treatment (drugs and effects).
* Sedation and anesthesia (features, complications).
* ASA scale.
* Inhalation sedation and general anesthesia - indications, complications.

1. **Dr. Agnieszka Kus-Bartoszek:**

* Infectious Diseases
* Viral: DNA (Herpes Simplex, Chickenpox, Shingles, Epstein-Barr virus, Cytomegaly, Papilloma), RNA (Coxsackie AiB, Rubella, Measles, HIV) - characteristics, symptoms, treatment.
* Bacterial (catarrhal inflammation - symptoms, treatment).
* Yeast infection (division of candidiasis, symptoms, treatment).
* Non-infectious diseases (drug-induced inflammation, cysts).

1. **Dr. Aleksandra Wdowiak:**

* The first visit of a child in the dental office.

1. **Dr. Anna Manowiec**

* Oral neoplasms and cancer-like lesions in developmental age (ameloblastoma, dentinoma ,fibroma, myxoma, cementoma, juvenile fibroids, fibrous dysplasia, giant ossification, giant musculature, cherubism, aneurysm cyst, odontogenic crayfish and sarcomas, neurofibromatosis, melanotic neuroectodermal tumor of infancy, granular cell tumor,, hemangiomas, histiocytosis X)

**Lecturer:**

* **dr Magdalena Gońda-Domin**
* **dr Agnieszka Kus-Bartoszek**
* **dr Aleksandra Wdowiak**
* **dr Anna Jarząbek**
* **dr Anna Manowiec**
* **dr Joanna Flont**