

Course Description

University: <i>University of Presov</i>	
Faculty/university workplace: <i>Faculty of Health Care</i>	
Code: <i>6KDH/KLDH 4-ER/25</i>	Course title: <i>Practical Training In Dental Hygiene 4</i>
Type, scope and method of educational activity: Type of educational activity: <i>Practical seminar</i> Scope of educational activity: <i>28 hour per week, 364 per semester</i> Method of educational activity: <i>Attendance</i>	
Number of credits: <i>13</i>	
Recommended semester: <i>2nd year ST</i>	
Study grade: <i>Bachelor</i>	
Prerequisites: <i>Practical Training In Dental Hygiene 3, Dental Hygiene 3</i>	
Conditions for completing the course: The student is obliged to participate in 90% of the set range of exercises. <i>Continuous assessment</i> During the semester, the student: <ul style="list-style-type: none"> - <i>performs clinical professional practice</i> in professional laboratories 1 and 2 at the FZO PU - Department of Dental Hygiene and at clinical contractual workplaces - DENT-PREV s.r.o. Prešov, Dental Hygiene Department in the J.A. Reiman University Hospital in Prešov and other dental workplaces on the basis of a cooperation agreement; - during the performance of clinical professional practice at the contracted Department of Dental Hygiene at the J.A. Reiman University Hospital in Prešov, <i>he also carries out activities at specialized workplaces</i> (hospital departments) such as the Department of Oncology, the Department of Neurology, the Department of Otorhinolaryngology and Head and Neck Surgery, the Department of Gynecology and Obstetrics, and others...) for less serious conditions and non-risk patients. - <i>performs clinical professional practice</i> at periodontal workplaces, where it focuses on dental and hygienic care for patients in the treatment of moderate and severe degree of periodontitis, peri-implantitis, - (examination, motivation, instruction, treatment, recommendations, recall); - <i>treats patients according to the specified type of patient in accordance with the Clinical Practice Recorder</i>, in which it also records all treated patients for the relevant semester; - <i>processes 3 case reports of patients</i> (1x KAR, 1x PAR, 1x paediatric patient), presenting one case report to the teacher; - is <i>continuously assessed</i> for practical skills; Before the final assessment in the examination period, <i>the student will also prove that at least 15 treated patients have been treated</i> in the Clinical Practice Recorder, which will be verified by the responsible person of the relevant clinical workplaces. If the student is not successful in all parts of the assessment (65% in total), he cannot participate in the final assesment in the exam period. <i>Final assessment:</i> The course is completed with continuous assessment (PH). During the exam period, he/she passes an oral and practical exam. The student's overall success rate must be at least 50.00%. <i>Success criteria:</i> A - 100,00 - 90,00% B - 89,99 – 80,00% C - 79,99 – 70,00% D - 69,99 – 60,00%	

E - 59,99 – 50,00%.

FX - 49.99% and below %

Participation in classes: *364 hours of direct load*

Case reports: *15 hours of indirect load*

Continuous assessment: *5 hours of indirect load*

Final assessment: *6 hours of indirect load*

Learning outcomes:

After completing the course, students are able to:

Knowledge:

- define and interpret the basic concepts of periodontology and karyology;
- know healthy and pathologically altered gum, mucosal-gingival area and changes in hard dental tissues;
- be able to properly motivate, instruct and know the correct procedures for treating patients;
- describe the procedure for examining and determining the differential diagnosis of diseases of the gums and mucosal-gingival area, temporomandibular joint, periodontium, bruxism, parafunctions;
- theoretically describe the individual options of teeth whitening and determine the correct indications and contraindications of teeth whitening;
- master basic examination procedures and methods for a patient with moderate and severe degree of periodontitis and peri-implantitis;
- communicate appropriately with a patient with periodontitis/peri-implantitis, tooth decay and, in the case of a paediatric patient, also communicate with parents;
- know the Guided Biofilm Therapy (GBT) patient treatment protocol;
- master the specifics of oral health care in hospitalized patients.

Skills:

- examine and establish a differential diagnosis of diseases of the teeth, periodontium, mucous membranes and tongue,
- classify dental and periodontal diseases,
- evaluate and record dental and periodontal diseases in dental hygiene and medical documentation,
- divide dental and periodontal treatment into mechanical, chemical and invasive (surgical),
- perform a complete subgingival periodontal treatment with periodontal instruments,
- perform a complete subgingival treatment of the periodontium with ultrasound,
- perform supragingival airflow,
- perform chemical treatment of the periodontal vesic,
- examine and determine the dental-hygienic differential diagnosis of diseases in the area of TM and its functions,
- examine non-microbial diseases of the teeth and periodontium, bruxism, parafunctions,
- evaluate risk factors affecting the prognosis of oral diseases,
- analyze the relationship between the presence of plaque and the progression of dental and periodontal disease,
- analyze the relationship between bleeding and the progression of periodontal disease,
- analyze the relationship between nutritional status, fluoridation and progression of dental disease,
- analyze the relationship between white spot and the progression of dental disease,
- consult changes in the periodontium and mucous membranes with a dentist, draw up a subsequent prevention and treatment plan together;
- provide dental and hygienic care for a patient in CO treatment; draw up a Prevention and Treatment Plan for a patient with CO appliances;
- apply the Guided Biofilm Therapy (GBT) Patient Treatment Protocol in the routine practice of a dental hygienist when treating patients,
- identify problems in the oral cavity of a hospitalized patient, the extent of his/her knowledge of oral health, indicate appropriate aids and instruct the patient in caring for his/her own oral cavity, recommend chemical preparations;
- communicate with the nursing staff or the patient's relatives at specialized workplaces.

Competence:

To use knowledge and skills for professional and personal development, especially in the form of:

- demonstrating the ability to independently examine the patient, determine the correct dental-hygienic diagnosis, draw up a prevention and treatment plan, motivate and instruct the patient in the field of individual oral care;

- demonstration of the ability to independently and correctly carry out work with periodontal instruments, ultrasound, airflow and apply teeth whitening products.
- demonstrating the ability to take responsibility for the provision of dental hygiene care for patients with microbial, non-microbial and combined damage to the teeth, periodontium and mucogingival area.
- demonstration of independent examination and treatment of the patient according to the most modern procedures in dental hygiene;
- demonstration of the ability to correctly and independently determine for the patient a suitable device and preparation for home use on the basis of the patient's examination.

Brief syllabus of the course:

1. The use of ultrasound, Airflow.
2. Application of the Patient Treatment Protocol – GBT.
3. Subgingival removal of plaque and tartar with manual periodontal instruments and ultrasound.
4. Complete clinical and X-ray examination of all conditions of the periodontium, mucous membranes and tongue.
5. Classification of dental and periodontal diseases.
6. Documentation of dental and periodontal diseases in dental hygiene and medical documentation.
7. Mechanical, chemical and invasive (surgical) treatment.
8. Performing teeth whitening, a form of teeth whitening.
9. Examination of nonmicrobial diseases of the teeth and periodontium, bruxism, parafunctions.
10. Examination of risk factors affecting the prognosis of oral diseases.
11. Determination of the relationship between the presence of plaque and the progression of dental and periodontal diseases.
12. Analysis of the relationship between bleeding and progression of periodontal disease, between nutritional status, fluoridation and progression of dental disease, between white spot and progression of dental disease.
13. Preparation of a prevention and treatment plan for individual oral diseases.
14. Specific dental and hygienic care for hospitalized patients.

Recommended reading:

1. Kovaľová, E. a kol. 2024. *Parodontológia 6 – Neoplyvniteľné rizikové faktory zmien orálnych tkanív. Biológia – Imunológia – Genetika*. Prešov: Vydavateľstvo Michal Vaško, 2024. 276s. ISBN 978-80-8198-071-8.
2. Kovaľová, E. a kol. 2024. *Manažment vyšetrenia, ošetrovania a kontrol v dentálnom tíme*. Prešov: Vydavateľstvo Michal Vaško, 2024, 153s. ISBN 978-80-8198-070-1.
3. Kovaľová, E., a kol. 2017. *Parodontológia II – Mechanická liečba parodontu – Orálna hygiena VII*. Prešov: vydavateľstvo Michal Vaško, 2017. 468 s. ISBN 978-80-8198-005-3.
4. Kovaľová, E., a kol. *Parodontológia III – Chemická liečba parodontu – Orálna hygiena VIII*. Prešov: vydavateľstvo Michal Vaško, 2017. 348s. ISBN 978-80-8198-007-7.
5. Kovaľová, E. a kol. 2024. *Manažment vyšetrenia, ošetrovania a kontrol v dentálnom tíme*. Prešov: Vydavateľstvo Michal Vaško, 2024, 153s. ISBN 978-80-8198-070-1.
6. Kovaľová, E., Ivančová, E. 2022. *Klasifikácia stavu orálnych tkanív. Extraorálne vyšetrenie*. Prešov: Vydavateľstvo Michal Vaško, 2022. 81s. ISBN 978-80-8198-069-5.
7. Kovaľ, A., a kol. 2024. *Brúsenie parodontologických nástrojov, Dezinfekcia v dentálnej praxi*. Vydavateľstvo Michal Vaško, 2024. 202s. ISBN 978-80-8198-050-3.
8. Šestáková, M., a kol. 2016. *Propedeutika. Protetické zubné lekárstvo a čelústná ortopédia*. 1.vydanie. Košice: Rotaprint, 2016. 208 s. ISBN 978-80-972254-9-0.
9. Timková, S., a kol. 2016. *Ochorenia jazyka*. Košice: Vydavateľstvo JES SK, 2016. 104 s. ISBN 978-80-88900-88-7.

Araujo, E, Ballarin, A, Briso, ALF, Costa, CADS, Croll, TP, Donly, KJ, Galinari, MO, Ginjeira, A, Gomes, G, Hebling, J., Tooth whitening—an evidence-based perspective. New York (NY): Springer 2016. 280 s. ISBN 9783319817637.

Language which is necessary to complete the course:

english

Notes:

The student is obliged to attend 80% of the specified lectures and 90% of the specified practicals. The conditions for the semester thesis are published on the FZO PU website under the instructions for students in the section "Education and specialisations".

For students with specific needs, an individualized approach is provided based on the recommendation of the

faculty coordinator for students with specific needs.

Course evaluation:

A	B	C	D	E	FX

Lecturers:

MUDr. Tatiana Klamárová, PhD. PhDr. Michal Ferko, Mgr. Bc. Silvia Doľacká, PhDr. Bc. Gabriela Benková

Date of last change:

24.3.2026

Approved by: *doc. MUDr. Eva Koval'ová, PhD. – guarantor*