

## Course description

<b>University :</b> <i>University of Prešov</i>	
<b>Faculty/university workplace :</b> <i>Faculty of Health Care</i>	
<b>Code :</b> 6KDH/KLDH6/24	<b>Course title :</b> <b>Practical Training in Dental Hygiene 6</b>
<b>Type, scope and method of educational activity:</b> Type of educational activity: <i>Practical seminar</i> Scope of educational activity: <i>40 hour per week, 520 per semester</i> Method of educational activity: <i>Attendance</i>	
<b>Number of Credits :</b> 12	
<b>Recommended semester :</b> <i>3rd year ST</i>	
<b>Study grade:</b> <i>Bachelor</i>	
<b>Prerequisites:</b> <i>Dental hygiene 5, Practical Training in Dental hygiene 5</i>	
<b>Conditions for passing the course:</b> <b>Form of assessment:</b> <b>Final evaluation:</b> <i>The course is completed with an examination. During the semester the student carries out clinical practice in professional laboratories, at the Department of Dental Hygiene and selected departments of the University Hospital, contractual medical institutions, pre-school institutions and primary schools. During the examination period, the student conducts a knowledge test, an oral and a practical examination, all of which are recorded in the Student's Clinical Practicum Logbook.</i> <i>Pass criteria: must obtain at least 90.00% for an A grade, 89.99-80.00% for a B grade, 79.99-70.00% for a C grade, 69.99-60.00% for a D grade, and 59.99-50.00% for an E grade. A student scoring 49.99% or less will be given a grade of FX.</i> <i>The final grade will be calculated as the average of the semester activity grade, the knowledge test, and the practical skills assessment.</i> <i>The final evaluation will include the presentation of a minimum of two patient case reports with complete documentation with at least one recall and from the student's clinical practice log evaluation.</i> <i>The student's total course load is 520 hours.</i>	
<b>Learning outcomes :</b> <i>Upon completion of the course, students will be able to:</i> <b>Knowledge:</b> <ul style="list-style-type: none"> <li>- Describe the examination and treatment of microbial and non-microbial diseases of the teeth, periodontium, mucogingival region and mucous membranes;</li> <li>- define the chemical treatment of dental, periodontal and mucosal diseases;</li> <li>- specify the indications for individual surgical interventions on the periodontium and mucogingival area;</li> <li>- identify and explain the indication of antibiotic treatment depending on the clinical manifestations of periodontitis, peri-implantitis;</li> <li>- interpret Full mouth disinfection and its possible applications in the treatment of oral diseases;</li> <li>- describe all types of teeth whitening, indications, errors, contraindications, patient education;</li> <li>- define tooth sealing, types, indications.</li> </ul> <b>Skills:</b> <ul style="list-style-type: none"> <li>- Examine and treat microbial and non-microbial diseases of the teeth (excluding dental caries), periodontium, mucogingival region and mucous membranes,</li> <li>- indicate chemical treatment of dental, periodontal and mucosal diseases,</li> <li>- indicate individual surgical interventions on the periodontium and mucogingival area,</li> <li>- indicate antibiotic treatment depending on the clinical manifestations of periodontitis, peri-implantitis in cooperation with a dentist,</li> <li>- apply local anaesthesia during treatment,</li> <li>- perform Full mouth disinfection,</li> <li>- perform all types of teeth whitening,</li> </ul>	

- seal teeth,
- treat non-invasive and minimally invasive sensitive dental cavities,
- Determine the risk of dental caries, periodontal inflammation and create a recall filling according to the type of patient, the condition and risk of disease and the patient's health status,
- change the management of the dental hygienist's work in establishing a mechanical, chemical and surgical treatment plan based on identified errors in the prevention and treatment plan,
- apply appropriate marketing, marketing mix in the practice of dental hygienist,
- perform a SWOT analysis,
- compile a dental hygiene practice proposal, define legislation,
- define dental hygienist organizations,
- define WHO oral health objectives,
- determine the management of individual procedures according to patient type, age, health status.

#### **Competencies:**

Utilize knowledge and skills for professional and personal development especially in the form of:

- Demonstrate the ability to implement knowledge and skills in the development of a prevention and treatment plan for patients with oral diseases;
- Demonstrate independence in the management of dental hygiene practice, promoting and protecting the oral health of different types of patients according to age.
- Demonstrate critical thinking skills in developing a prevention and treatment plan for patients with hard dental tissue diseases, periodontal disease (microbial and non-microbial tissue damage, treatment options, defect determination).
- Demonstration of the ability to take responsibility for own work in the examination and treatment of patients with oral diseases, treatment and prevention plan.

#### **Course content:**

Practical development of a prevention and treatment plan, filling recall according to the overall health status, type of risk and condition. Complete chemical treatment of dental, periodontal and mucosal diseases. Surgery and prosthetic treatment in periodontology. Microbiological examination. Full mouth disinfection. Teeth whitening. Sealing of teeth. Treatment of sensitive dental necks. Recall. Managing the work of the dental hygienist in formulating a mechanical, chemical and surgical treatment plan based on errors identified in the prevention and treatment plan. Marketing, marketing mix in the practice of the dental hygienist. SWOT analysis. Setting up a dental hygiene practice, legislation. Organization of dental hygienists. WHO objectives in the field of oral health. Management of individual procedures according to patient type, age, health status.

#### **Literature :**

1. 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.
2. Kovaľová, E. 2013. Motivačný atlas. Prešov: Vydavateľstvo P. Šidelský Akcent Print, 2013. 22s. ISBN 978-80-9694-190-2.
3. Kovaľová, E., Eliašová, A. a kol. 2010. Orálna hygiena II.,III. Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2010. 680 s. ISBN 978-80-8929-524-1.
4. Kovaľová, A., Klamárová, T., Müller, A. 2012. Orálna hygiena IV. Prešov: Prešovská univerzita v Prešove, 2012, s. 324. ISBN 978-80-555-0567-1.
5. Kovaľová, E., Novák, B. 2013. Orálna hygiena V. Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2013. 112 s. ISBN 978-80-8929-539-5.
6. Mazánek, J. a kol. 2015. Stomatologie pro dentální hygienistky a zubní instrumentárky. Praha: Grada Publishing, 2015, 288 s. ISBN 978-80-24-4-865-8.
7. Krišková, A. a kol. 2013. Ošetrovateľské techniky. Martin: KD Osveta, Ing. Martin Farkaš, 2013. 780 s. ISBN 978-80-8082-456-3.

**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. Instructions on how to complete the assignment are posted on the faculty's website: <https://www.unipo.sk/public/media/26637/Pravidla-hodnotenia-zataze-studenta.pdf>

**Course evaluation:**

A	B	C	D	E	FX

**Lecturers :**

*MUDr. Eva Kovaľová, PhD., guarantor, PhDr. Michal Ferko co-guarantor, lecturer, MUDr. Tatiana Klamárová, PhD., instructor, examiner*

**Date of last change:**

*31.03.2024*

**Approved by :** *doc. MUDr. Eva Kovaľová, PhD. - guarantor*