SYLABUS

Subject:	***Prosthetic Dentistry 4***		
Study programme:	*Dental Medicine*	**Semester:**	*9. semester*
Valuation:	*absolved*	**Obligation:**	*obligatory*
Number of hours:	*2 h. lectures and 6 h. practicals / 7weeks*		*56 hours*

Place: Department of Stomatology and Maxillofacial Surgery
1st. Clinic of Stomatology
Department of Dentistry and Maxillofacial Surgery and Specialized Hospital for Head and Neck Diseases, Academy of Košice, n.o.

Week	***Lectures***	***Practicals***
1.	**Introduction to the issue of partial removable dentures**, division of RPD, basic structural elements of RPD, , biomechanics of RPD according to the type of denture **23.11.2026 12:30-14:00 PM** ***MUDr. Dobiášová Jenčová, J., PhD.***	**1, Review of theoretical knowledge and practical skills from the previous semester** – equipment of a prosthetic dental clinic, medical documentation and prosthetic label, ICD 10, division of individual procedures in prosthetic dentistry, code designation of procedures and dental prostheses + verification of knowledge from 1 lecture **2**, **Examination of the patient** – identification of physiological features of the orofacial system – basic gnathological points and planes, assessment of the patient's occlusion, X-ray analysis, identification of a dental defect, making study impressions and models of the jaws and design of prosthetic treatment + verification of knowledge from 1 lecture

2.	**Examination of the patient before indication of RPD**, indications and contraindications of RPD according to the dental defect, treatment planning and relevant documentation, preliminary analysis of the situation and preparation of the patient's oral cavity before indication of RPD **25.11.2026 14:15-15:45 PM** ***MUDr. Dobiášová Jenčová, J., PhD.***	**3**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **analysis of models indicated for RPD** + verification of knowledge from lectures 1 and 2 **4**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **analysis of models indicated for RPD** + verification of knowledge from lectures 1 and 2
3.	**Structural elements of RPD** – body + artificial teeth of the prosthesis, stabilizing and connecting elements of RPD **27.11.2026 12:30-14:00 PM** ***MUDr. Ondrašovičová, J., PhD.***	**5, Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **analysis of models indicated for RPD** + verification of knowledge from 1,2 and 3 lectures **6, Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic

		treatment of the patient – DH, conservative treatment, surgical treatment, **examination and treatment of a patient with an indication for RPD** + verification of knowledge from 1,2 and 3 lectures
4.	**Structural elements of RPD** – anchoring elements, clamping systems, special anchoring devices as part of a removable prosthesis **30.11.2026 12:30-14:00 PM** ***MUDr. Ondrašovičová, J., PhD.***	**7**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **examination and treatment of the patient with the indication of RPD** + verification of knowledge from 1,2,3 and 4 lectures **8**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation of abutments, **examination and treatment of the patient with the indication of RPD** + verification of knowledge from 1,2,3 and 4 lectures
5.	**Workflow for performing a RPD** - detailed workflow of individual surgery and laboratory phases of treatment, skeletal / simple RPD **01.12.2026 08:00-09:30 PM** ***MUDr. Kučera, J., PhD.***	**9**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation of abutments, **examination and treatment of a**

		patient with an indication for RPD + verification of knowledge from 1,2,3,4 and 5 lectures **10**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dention defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **examination and treatment of a patient with an indication for RPD**+ verification of knowledge from 1,2,3,4 and 5 lectures
6.	**Workflow for making a RPD**– detailed workflow of individual surgery and laboratory treatment phases when making a RPD with special anchoring devices (plug-in joint, telescope, stirrup, magnet) **04.12.2026 08:00-09:30 PM** ***MUDr. Kučera, J., PhD.***	**11**, **Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of a dental defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **examination and treatment of a patient with an indication for RPD** + verification of knowledge from lectures 1,2,3,4,5 and 6 **12, Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of a dental defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **examination and treatment of a patient with an indication for RPD** + verification of knowledge from lectures 1,2,3,4,5 and 6

7.	**Credit test** **08.12.2026 08:00-09:30 PM** ***MUDr. Kučera, J., PhD.***	**13, Patient examination** – identification of physiological features of the orofacial system, assessment of the patient's occlusion, X-ray analysis, identification of the dentition defect, making study impressions and models of the jaws and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, **examination and treatment of the patient with indication of the patient's RPD** + verification of knowledge from lectures 1,2,3,4,5 and 6 **14, Presentation of the patient with a comprehensive prosthetic treatment plan for partial removable dentures** – writing out medical documentation, X-ray analysis, indication of pre-prosthetic rehabilitation, design of prosthetic treatment with prosthetic label and description of the workflow for making different kind of RPD. **Evaluation of student's performance and practical skills**

Minimum requirements for awarding credit for the subject Prosthetic Dentistry 4 and a list of procedures performed during clinical practice:

1, **100% attendance at lectures, 65% success rate in the final credit test**
2, **100% active participation in practical exercises** (knowledge verification is done orally or in writing)
3, **5x comprehensive examination of the prosthetic patient** with complete medical documentation, X-ray analysis and draft treatment plan for partial removable dentures
4, **3x making study impressions and study models**
5, **1x making a partial removable denture** (patient examination, model analysis, making impressions, design proposal for the denture, determination of the Mx-Mn relationship, construction test, handover of the prosthetic work)
6, **3x pre-prosthetic preparation:** DH, or filling of abutment/clasp tooth, or endodontic treatment of the abutment, or tooth extraction

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Objective: complete examination and treatment of a patient with class I, II, and III dental defects according to W.-V.

Recommended literature:

1, Calvani Lino: Fundamentals of treatment planning, 2020

2, Clovis Pagani: Tooth preparations, 2017

3, Jakovac Marko: Protocol, standardisation in fixed prosthodontics, 2024

4, Sailer I., Fehmer, V., Pjetursson B.: Fixed restorations, a clinical guide to the selection of materials and fabrication technology, 2021

5, Naylor W. Patrick: Introduction to metal -Ceramic Technology, 2018

7, Chang T.L., Orellana, D., Beumer III, J.: Kratochvil´s Fundamentals of Removable Partial Dentures, 2019

8, Benting H.: The art of complete Denture Therapy for the General Practitioner, 2022

9, Contemporary dental journals