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| Subject: | <i>Prosthetic Dentistry 2</i> | | |
| Study programme: | <i>Dental Medicine</i> | Semester: | <i>7. semester</i> |
| Valuation: | <i>absolved</i> | Obligation: | <i>obligatory</i> |
| Number of hours: | <i>1 h. lectures and 3 h. practicals / week</i> | | <i>56 hours</i> |

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.

Monday OTW PL 14:30 – 16:00

| <i>Week</i> | <i>Lectures</i> | <i>Practicals</i> |
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| 1. | <p>Issues of abutment preparation before making a fixed crown, soft tissue management before making an impression, impression techniques - conventional and digital options in fixed prosthetics</p> <p>22.09.2025 14:30-16:00 MUDr. Šestáková, M., PhD.</p> | <p>1, Review of theoretical knowledge and practical skills from the previous semester – equipment of a prosthetic dental surgery, 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</p> <p>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 upper and lower jaw and design of prosthetic treatment + verification of knowledge from 1 lecture</p> |

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| <p>2.</p> | <p>Issues of treating the prepared abutment before making a definitive fixed crown, temporary crowns, the importance of temporary crowns, manufacturing options, work procedures, material, handing over the temporary crown</p> <p>06.10.2025 14:30-16:00 MUDr. Šestáková, M., PhD.</p> | <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and fabrication of a fixed crown using the chair side technique on phantoms, models, the patient + verification of knowledge from lectures 1 and 2</p> <p>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 jaw and mandible and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and fabrication of a fixed crown using the chair side technique on phantoms, models, the patient + verification of knowledge from lectures 1 and 2</p> |
| <p>3.</p> | <p>Full-coverage crowns: metal, combined, all-ceramic – definition, indications, contraindications, detailed description of outpatient and laboratory procedures, complete</p> <p>20.10.2025 14:30-16:00 MDDr. Sinčák Konečná, A., PhD.</p> | <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and fabrication of a fixed crown using the chair side technique on phantoms, models, the patient + verification of knowledge from 1,2 and 3 lectures</p> |

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| | | <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and fabrication of a fixed crown using the chair side technique on phantoms, models, the patient + verification of knowledge from 1,2 and 3 lectures</p> |
| 4. | <p>Root inlays – definition, classification based on material and working procedures, indications, contraindications, detailed description of individual working procedures and treatment phases</p> <p>03.11.2025 14:30-16:00 MDDr. Homzová, N.</p> | <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and making of a root inlay on phantoms, models, patient + verification of knowledge from 1,2,3 and 4 lectures</p> <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and making of a root inlay on phantoms, models, patient + verification of knowledge from 1,2,3 and 4 lectures</p> |

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| <p>5.</p> <p>17.11.2025 14:30-16:00</p> <p>MDDr. Homzová, N.</p> | <p>Indirect fillings – definition, classification based on material and working procedures, indications, contraindications, detailed description of individual working procedures and treatment phases</p> | <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and making of an indirect filling on phantoms, models, patient + verification of knowledge from 1, 2, 3, 4 and 5 lectures</p> <p>10, 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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and making of an indirect filling, root inlay, fixed crown using the chair side technique on phantoms, models, patient + verification of knowledge from lectures 1,2,3,4 and 5</p> |
| <p>6.</p> | <p>Partial crowns - definition, indications, contraindications, their current status, detailed description of outpatient and laboratory procedures, complete.</p> <p>Aesthetic veneers - definition, division based on material and working procedures, indications, contraindications, detailed description</p> | <p>11, 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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and making of an aesthetic veneer using the chair side technique on phantoms, models, the patient +</p> |

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| | <p>of individual working procedures and treatment phases</p> <p>01.12..2025 14:30-16:00 MDDr. Sinčák Konečná, A., PhD</p> | <p>verification of knowledge from 1,2,3,4,5 and 6 lectures</p> <p>12, 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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and making of an aesthetic veneer using the chair side technique on phantoms, models, the patient + verification of knowledge from 1,2,3,4,5 and 6 lectures</p> |
| 7. | <p>Credit test</p> <p>15.12.2025 14:30-16:00 MUDr. Šestáková, M., PhD.</p> | <p>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 upper and lower jaw and design of prosthetic treatment, pre-prosthetic treatment of the patient – DH, conservative treatment, surgical treatment, preparation and fabrication of indirect filling, root inlay, fixed crown using the chair side technique, aesthetic veneer using the chair side technique on phantoms, models, patient + verification of knowledge from lectures 1,2,3,4,5 and 6</p> <p>14, Patient presentation with a comprehensive prosthetic treatment plan for fixed solo restoration – writing out medical documentation, X-ray analysis, indication for pre-prosthetic rehabilitation, design of prosthetic treatment with a prosthetic label and description of the workflow for making a fixed solo restoration in points.</p> <p>Evaluation of student performance and practical skills</p> |

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Minimum requirements for awarding credit for the subject Prosthetic Dentistry 2 and a list of procedures 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 a complete medical documentation, X-ray analysis and a proposed treatment plan for fixed restorations
- 4, 3x making study impressions and study models**
- 5, 1x making an indirect filling and root inlay and provisional crown and aesthetic veneer**
- 6, 3x pre-prosthetic preparation:** DH, or filling of abutment / clasp tooth, or endodontic treatment of abutment, or tooth extraction

Objective: examine the patient, identify the prosthetic problem, make study models, prepare a prosthetic treatment plan with complete documentation + fabricate a fixed solo prosthetic replacement.

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
- 6,** Contemporary dental journals