

**DEPARTMENT OF PROSTHETIC DENTAL MEDICINE**

**PRECLINICAL PROSTHETIC DENTAL MEDICINE**

**CURRICULUM OF LECTURES,**

**2 year, 3 semester (winter)**

**15 weeks, 2 hours in a week = 30 academic hours**

**LECTURER: PROF. JULIA KAMENOVA, PhD**

**Tuesday – 11:30, aud. № 1**

| Week                         | Lecture subjects   |
|------------------------------|--|
| <b>1</b><br><b>27.09.22</b>  | <b>Prosthetic treatment of partially edentulous patients with fixed restorations – FDP (fixed dental prostheses).</b><br><br><b>I.</b> Bridge restorations – components, abutments, retainers and pontic. Technology of mandibular fixed restoration restoration -"Adapta" system.<br><b>Demonstration</b> |
| <b>2</b><br><b>04.10.22</b>  | <b>II.</b> Bridge restorations – classification. Technology of maxillary esthetic bridge with a modified ridge lap pontic design - "Adapta" system.<br><b>Demonstration</b>  |
| <b>3</b><br><b>11.10.22</b>  | <b>III.</b> Bridge fixed restoration– basic construction principles.   |
| <b>4</b><br><b>18.10.22</b>  | <b>IV.</b> Types of bridge restorations. Cantilevers. Immediate bridge restorations. FDPs with special rigid and non-rigid connectors. Fixed bridge restorations with resin-bonded retainers - selectively opened partial retainers and Maryland retainers. Fixed implant restorations. Model-cast bridge. |
| <b>5</b><br><b>25.10.22</b>  | <b>V.</b> Technologic characteristics of bridge restorations fabricated by different technologies. Failures.   |
| <b>6</b><br><b>1.11.22</b>   | <b>VI.</b> Acrylic resin partial dentures. Types of retainers. Impressions for partial dentures and master cast fabrication. Technology of bent clasps (single-arm, double-arm and Jackson clasp).<br><b>Demonstration + film</b>  |
| <b>7</b><br><b>8.11.22</b>   | <b>VII.</b> Other components of removable partial dentures (RPD): precision attachments, double-crown (telescopic) and bar attachments. Major connectors - technology. Indirect retainers. Mounting master casts on an articulator.<br><b>Demonstration</b>  |
| <b>8</b><br><b>15.11.22</b>  | <b>VIII.</b> Basic construction principles and planning of RPD (removable partial dentures). Construction principles of resin-based partial dentures. Technology of maxillary and mandibular resin-based RPD.<br><b>Demonstration</b>  |
| <b>9</b><br><b>22.11.22</b>  | <b>IX.</b> Designing one-piece cast framework RPD. Investing.<br><b>Demonstration</b>  |
| <b>10</b><br><b>29.11.22</b> | <b>X.</b> Technology of one-piece cast framework RPD.  |
| <b>11</b><br><b>6.12.22</b>  | <b>XI.</b> Technology of immediate RPD. Repair of broken or damaged RPD.<br><b>Demonstration + movie</b>   |

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| 12<br>13.12.22 | XII. Processing failures in partial denture fabrication.   |
| 13<br>20.12.22 | XIII. Types of partial dentures. Combined prosthetic restoration of partially edentulous dentitions with fixed and removable prostheses. |
| 14<br>27.12.22 | XIV. Fundamentals of prosthetic splinting – basic principles.  |
| 15<br>03.01.23 | XV. Technology of fixed and removable splints.   |

**DEPARTMENT OF PROSTHETIC DENTAL MEDICINE**  
**CURRICULUM OF PRACTICAL TRAINING IN**  
**PRECLINICAL PROSTHETIC DENTAL MEDICINE**

**2 year, 3 semester (winter)**

**15 weeks, 6 hours practical training in a week = 90 training hours**

| Week | Practical training subjects   |
|------|---|
|      | <b>Prosthetic treatment of partially edentulous patients with fixed restorations – FDP (fixed dental prostheses).</b>   |
| 1    | <b>I.</b> Fixed prosthetic restorations. Technology of mandibular bridge prosthesis –   |
| 2    | ”Adapta” system (34-37). Fabrication of a master cast with removable dies, plastic copings, wax modeling. - <b>demonstration</b>  |
| 3    | <b>II.</b> Fixed prosthetic restorations. Technology of maxillary esthetic bridge with a  |
| 4    | modified ridge lap pontic design –”Adapta” system (13-16). Fabrication of a master cast with removable dies, plastic copings, wax modeling. - <b>demonstration</b>  |
| 5    | <b>III.</b> Fixed prosthetic restorations. Technology of mandibular bridge prosthesis – “Adapta” system (34-37). Contouring and polishing. - <b>demonstration</b>   |
| 6    | <b>IV.</b> Fixed prosthetic restorations . Technology of maxillary esthetic bridge with a modified ridge lap pontic design –“Adapta” system (13-16). Contouring and polishing.  |
| 7    | <b>V.</b> Fixed prostheses. Technology of maxillary esthetic bridge with a modified ridge lap pontic design –“Adapta” system (13-16). Resin veneer. - <b>demonstration</b>  |
| 8    | <b>VI.</b> Retention of the RPD. Clasps. Fabrication of single arm bent clasps. - <b>demonstration</b>  |
| 9    | <b>VII.</b> Fabrication of double-arm clasp and Jackson clasp. Fabrication of a bent major connector for mandibular RPD. - <b>demonstration</b>   |
| 10   | <b>VIII.</b> Technology of RPD. Fabrication of a shellac record base and occlusion wax rims. - <b>demonstration</b><br><b>IX.</b> Registration of interocclusal relationships. Mounting the casts on an articulator. - <b>demonstration</b> |

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| 11 | <b>X.</b> Technology of acrylic resin RPD. Selecting artificial teeth. Arrangement of acrylic teeth for maxillary and mandibular prosthesis.- <b>demonstration</b><br><b>XI.</b> Wax modeling and flasking the denture patterns. - <b>demonstration</b> |
| 12 | <b>XII.</b> Technology of acrylic resin RPD. Processing acrylic resin. Contouring and polishing of the dentures. - <b>demonstration</b>   |
| 13 | <b>XIII.</b> Pouring maxillary mandibular alginate impressions fabrication of master models. - <b>demonstration</b>   |
| 14 | <b>XIV.</b> Repair of broken or damaged RPD. - <b>demonstration</b>   |
| 15 | <b>XV.</b> Planning the design of the metal framework of RPD. Combined restorations - RPD and FDP. Seminar – in class examination.  |