

**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: ASSOC. PROF. T. UZUNOV, PhD**

**ASSOC. PROF. D. KIROV, PhD**

**Tuesday – 11:30, aud. № 1**

Week	Lecture subjects
	<b>Prosthetic treatment of partially edentulous patients with fixed restorations – FDP (fixed dental prostheses).</b>
1 26.09.23	<b>I.</b> Bridge restorations – components, abutments, retainers and pontic. Technology of mandibular fixed restoration restoration -"Adapta" system. <b>Demonstration</b>
2 03.10.23	<b>II.</b> Bridge restorations – classification. Technology of maxillary esthetic bridge with a modified ridge lap pontic design - "Adapta" system. <b>Demonstration</b>
3 10.10.23	<b>III.</b> Bridge fixed restoration– basic construction principles.
4 17.10.23	<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 bridges
5 24.10.23	<b>V.</b> Technologic characteristics of bridge restorations fabricated by different technologies. Failures.
6 31.10.23	<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). <b>Demonstration + film</b>
7 7.11.23	<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. <b>Demonstration</b>
8 14.11.23	<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. <b>Demonstration</b>
9 21.11.23	<b>IX.</b> Designing one-piece cast framework RPD. Investing. <b>Demonstration</b>
10 28.11.23	<b>X.</b> Technology of one-piece cast framework RPD.
11 5.12.23	<b>XI.</b> Technology of immediate RPD. Repair of broken or damaged RPD. <b>Demonstration + movie</b>
12 12.12.23	<b>XII.</b> Processing failures in partial denture fabrication.
13 19.12.23	<b>XIII.</b> Types of partial dentures. Combined prosthetic restoration of partially edentulous dentitions with fixed and removable prostheses.
14 02.01.24	<b>XIV.</b> Fundamentals of prosthetic splinting – basic principles.
15 09.01.24	<b>XV.</b> 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	Practice
<b>FIXED PROSTHETIC RESTORATIONS</b>	
<b>1</b>	I. Bridges. Gypsum models fixing in articulator. Dies shaping of teeth 13, 16, 34 and 37. Shaping „Adapta“ foil for teeth 13 and 16. Shaping wax copies made by dipping technology for teeth 34 and 37 – <b>demonstration</b>
<b>2</b>	II. Technology of maxillary esthetic bridge with modified ridge lap pontic design – „Adapta“ system (13-16) – wax modeling – <b>demonstration</b>
<b>3</b>	III. Technology of temporary mandibular hygienic bridge. Wax modeling (34-37) - <b>demonstration</b>
<b>4</b>	IV. Technology of temporary mandibular hygienic bridge. Wax modeling (34-37). Silicon impression. Resin replacement. Cleaning, adjustment and polishing - <b>demonstration</b>
<b>5</b>	V. Technology of maxillary esthetic bridge with modified ridge lap pontic design – „Adapta“ system (13-16). Adjustment and polishing - <b>demonstration</b>
<b>6</b>	VI. Technology of maxillary esthetic bridge with modified ridge lap pontic design – „Adapta“ system (13-16). Esthetic veneering in resin – <b>demonstration</b>
<b>7</b>	VII. Technology of maxillary esthetic bridge with modified ridge lap pontic design – „Adapta“ system (13-16). Polishing of the esthetic veneering
<b>REMOVABLE PARTIAL DENTURES (RPD)</b>	
<b>8</b>	VIII. Removable partial dentures technology. Type of retainers. Technology of bent clasps – single-arm (2 clasps) and double-arm (1 clasp) - <b>demonstration</b>
<b>9</b>	IX. Removable partial dentures technology. Type of retainers. Technology of bent clasps. Jackson clasp. Lingual bar - <b>demonstration</b>
<b>10</b>	X. Removable partial dentures technology. Occlusal rims fabrication with base plates and pink wax - <b>demonstration</b> XI. Removable partial dentures technology. Centric position registration and mounting in articulator – <b>demonstration</b>
<b>11</b>	XII. Removable partial dentures technology. Artificial teeth. Arrangement of artificial teeth for upper and lower partial dentures – <b>demonstration</b> XIII. Removable partial dentures technology. Wax modeling and investment of upper and lower partial dentures – <b>demonstration</b>
<b>12</b>	XIV. Removable partial dentures technology. Acrylic polymerization of upper and lower partial dentures. Polishing – <b>demonstration</b>
<b>13</b>	XV. Gypsum model for reparation of broken upper removable partial denture – <b>demonstration</b>
<b>14</b>	XVI. Repair of broken upper removable partial denture – <b>demonstration</b>
<b>15</b>	XVII. Planing of one-piece cast metal framework of removable partial dentures. Combined prosthetic restoration of partially edentulous dentitions with fixed and removable dentures.