

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. FILCHEV, ASSOC. PROF. D. KIROV, ASSOC. PROF. N. APOSTOLOV, ASSOC. PROF. R. TODOROV, ASSOC. PROF. ILIEV, ASSOC. PROF. GERDZIKOV

Lecture assistant prof. Dr A. Naydenov

Tuesday 11.30 – 13.00, I hall

	Prosthetic treatment of partially edentulous patients
Week	Lecture subjects
1 15.09.26 Assoc. prof. Gerdzhikov	I. Bridge restorations components - abutments, retainers and pontic. Technology of mandibular fixed restoration restoration - "Adapta" system.
2 22.09.26 Assoc. prof. Gerdzhikov	II. Bridge restorations – classification. Technology of maxillary esthetic bridge with a modified ridge lap pontic design – "Adapta" system. Demonstration: Dr. Filipova
3 29.09.26 Assoc. prof. Todorov	III. Bridge fixed restoration - basic construction principles. Demonstration: Dr. Lyondev
4 06.10.26 Prof. Filchev	IV. Implant supported bridge restorations - master cast. Technology of screw and cement-retained restorations.
5 13.10.26 Assoc. prof. Iliev	V. Fixed partial dentures (FPDs) failures. Biological, mechanical and esthetic complications. The application of CAD/CAM technology in FPDs.
6 20.10.26 Assoc. prof. Kirov	VI. Classification system for Partial edentulism. Kennedy classification and Applegate's rules in RPD. Boyanov classification.
7 27.10.26 Assoc. prof. Kirov	VII. Removable partial dentures (framework RPDs). Basic principles. Components.
8 03.11.26 Assoc. prof. Kirov	VIII. Removable partial dentures (framework RPDs) with retainers clasps. Technology.
9 10.11.26 Assoc. prof. Iliev	IX. Removable partial dentures (framework RPDs) with retainers precision attachments. Classification of the precision attachments. Technology.
10 17.11.26 Assoc. prof. Gerdzikov	X. Removable partial dentures (framework RPDs) with retainers telescopic and conical crowns. Technology.
11 24.11.26 Assoc. prof. Iliev	XI. Removable partial dentures (framework RPDs) with bar attachment. Tooth supported Over-dentures. Technology.
12	XII. Combined prosthetic restoration of partially edentulous dentition with fixed

01.12.26 Assoc. prof. Apostolov	and removable prostheses.
13 08.12.26 Assoc. prof. Iliev	XIII. Immediate RPDs. Technology. Repair of broken or damaged RPD. Demonstration: Dr. Naydenov
14 15.12.26 Assoc. prof. Todorov	XIV. Prosthetic treatment of periodontally compromised patients. Fundamentals of prosthetic splinting – basic principles. Technology.
15 22.12.26 Assoc. prof. Apostolov	XV. The application of CAD/CAM technology in RPDs.

PRECLINICAL PROSTHETIC DENTAL MEDICINE
2 year, 3 semester (winter)
15 weeks, 6 hours practical training in a week = 90 training hours

Week	Practice`s topic
1	Bridges. Mounting casts on an articulator. Copings fabrication of teeth 13, 16, „Adapta“ system. Fabrication of wax copings on teeth 34 and 37 for a temporary bridge prosthesis – demonstration .
2	Technology of a bridge prosthesis by the „Adapta“ system (13-16) with modified ridge lap (semi-hygienic) pontic design of bridge frameworks and aesthetic coverage. „Adapta“ foils and wax modeling 13 and 16.
3	Technology of a bridge prosthesis by the „Adapta“ system (13-16) with modified ridge lap (semi-hygienic) pontic design of bridge frameworks and aesthetic coverage. Wax modeling of the pontic.
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5	Technology of a bridge prosthesis by the „Adapta“ system (13-16) with modified ridge lap (semi-hygienic) pontic design of bridge frameworks and aesthetic coverage. Preparation for aesthetic veneer.
6	Digital workflow for a temporary fixed bridge prosthesis (34–37) with a conical (heart-shaped) pontic profile. Digitization (scanning) of the working model and virtual design of the abutment retainers for teeth 34 and 37
7	Computer-aided design (CAD) of the pontics (35–36), analysis of occlusal and proximal contacts, and completion of the virtual design. Preparation of the file for additive manufacturing (STL, orientation, and support generation).
8	3D printing of the temporary bridge prosthesis (34–37) using photopolymer resin. Post-processing of the printed structure – washing and additional light curing.
9	Removal of the support structures, cleaning, adjustment, and polishing of the printed temporary bridge prosthesis (34–37).
10	Technology of a bridge prosthesis by the „Adapta“ system (13-16) with modified ridge lap (semi-hygienic) pontic design of bridge frameworks and aesthetic coverage. Cleaning, adjusting, and polishing.
11	
12	Technology of a bridge prosthesis by the „Adapta“ system (13-16) with modified ridge lap (semi-hygienic) pontic design of bridge frameworks and aesthetic coverage. Aesthetic veneers – wax modeling and replacing of the wax with heat-polymerizing resin.
13	
14	Technology of a bridge prosthesis by the „Adapta“ system (13-16) with modified ridge lap (semi-hygienic) pontic design of bridge frameworks and aesthetic coverage. Processing and polishing of the aesthetic coverage.
15	Practical work assessment.

Head of Department PDM:
Prof. T. Uzunov, PhD