

Oral exam FP2

Questions

Initial examination

Types of longevity in fixed prosthodontic restorations

Complications in fixed prosthodontic therapy

Structural durability of fixed prosthodontic restorations

Pre-prosthetic patient preparation

Removal of fixed prosthodontic restorations

Follow-up examinations

Oral hygiene and maintenance of fixed prosthodontic restorations during functional therapy

Biological value of abutment teeth

Specifics of fixed prosthodontic therapy in children and adolescents

Specifics of fixed prosthodontic therapy in the elderly

Repairs of fixed prosthodontic restorations

Radiographic diagnostics

Planning of multi-unit fixed prosthodontic restorations

Wax-up (diagnostic and esthetic)

Biomechanical principles in prosthetic therapy

Tribological aspects in dental prosthetics

Causes and consequences of tooth loss

Post-endodontic restoration of teeth

Periodontal aspects of fixed prosthodontic restorations

Esthetic parameters in fixed prosthodontic therapy

Color and color parameters in fixed prosthodontics

Critical zones of fixed prosthodontic restorations in relation to surrounding tissues

Diagnosis of functional disorders and their impact on fixed prosthodontic therapy

Post and core systems – classification, indications, and contraindications

Custom-made post and core systems

Metal-free post and core systems (types and fabrication principles)

Prefabricated post systems

Implant-supported prosthetic restorations

Follow-up examinations in implant prosthodontics

Open-tray impression technique

Closed-tray impression technique

Retention of implant-supported restorations (screw-retained vs. cement-retained)

Types of implant abutments

Loading protocols in implant prosthodontics

Provisional restorations in implant prosthodontics – types and indications

Occlusal concepts in implant prosthodontics

Fixed implant prosthodontic rehabilitation in complete edentulism – FP1 to FP3

Veneered crown

Crowns – classification, indications, and contraindications

Metal-ceramic crown

Telescopic systems
Paralleling device
Modified crowns
Precision attachments (types, biomechanical principles, fabrication techniques)
Planning of combined prosthodontic restorations
Esthetic veneers – indications, contraindications, principles and materials
Partial crowns – inlays, onlays, overlays, occlusal veneers
All-ceramic crowns
Final finishing of fixed restorations

Impression techniques for working models
Impression materials for working models
Types, characteristics and selection of impression trays
Chemical classification of impression materials
Classification of materials by viscosity
Techniques for recording the finish line of tooth preparation
One-step impression techniques
Two-step impression techniques
Add-on impression technique
Corrective impression (materials and techniques)
Specifics and classification of models in fixed prosthodontics
Digital impressions

Basic principles of tooth preparation
Fundamentals of crown tooth preparation
Fundamentals of bridge tooth preparation
Rotary instruments and abrasive tools
Anesthesia in fixed prosthodontic therapy
Tooth preparation in periodontally compromised teeth
Provisional crowns
Provisional bridges
Diagnostic provisional restorations
Provisional cementation of fixed prosthodontic restorations
Cementation techniques for fixed prosthodontic restorations
Permanent non-adhesive cementation of fixed restorations
Silane treatment
Delivery of a combined restoration
Adhesive cementation of fixed prosthodontic restorations

Reference positions of the mandible and their clinical use
Occlusal concepts in fabrication of fixed prosthodontic restorations
Recording intermaxillary relationships and fabrication of bite registrations
Articulator (types and principles of function)
Classification of articulators and basics of manipulation
Fabrication of bite registrations in Eichner Class I and III (materials and techniques)

Alloys and metals in prosthetic therapy
Auxiliary and laboratory materials
Ceramic materials in prosthetic therapy

Advantages and limitations of titanium bases in metal-ceramic restorations

Indications and contraindications for zirconia restorations

Types of zirconia restorations

Bridge components

Materials for bridge frameworks

Pontic designs

Connector areas in bridges

Bridge statics

Evaluation of potential abutment teeth for bridgework

Cantilever bridge

Inlay-retained bridges with metal frameworks

Resin-bonded bridges (Maryland bridges)

Milling of fixed prosthodontic restorations

3D printing of fixed prosthodontic restorations

CAD/CAM technology for fixed prosthodontic restorations

1. Diagnosis and Treatment Planning

- Initial examination
- Causes and consequences of tooth loss
- Biological value of abutment teeth
- Radiographic diagnostics
- Diagnosis of functional disorders and their impact on fixed prosthodontic therapy
- Planning of multi-unit fixed prosthodontic restorations
- Bridge statics
- Assessment of potential abutment teeth for bridgework
- Wax-up (diagnostic and esthetic)
- Esthetic parameters in fixed prosthodontic therapy
- Color and color parameters in fixed prosthodontics
- Critical zones of fixed prosthodontic restorations in relation to surrounding tissues
- Reference positions of the mandible and their clinical application
- Occlusal concepts in fixed prosthodontic restorations
- Recording of intermaxillary relationships and bite registration
- Bite registration in Eichner Class I and III (materials and principles)
- Articulator (types, principles of function and basic handling)

2. Pre-prosthetic Preparation

- Pre-prosthetic patient preparation
- Anesthesia in fixed prosthodontic therapy
- Post-endodontic restoration of teeth
- Periodontal aspects of fixed prosthodontic therapy

3. Tooth Preparation

- Basic principles of tooth preparation
- Tooth preparation for crowns
- Tooth preparation for bridges
- Rotary instruments and abrasive tools
- Tooth preparation in periodontally compromised teeth

4. Impression Techniques

- Tray types, characteristics, and selection
- Chemical classification of impression materials
- Classification of impression materials by viscosity
- Techniques for capturing the preparation margin
- One-step impressions
- Two-step impressions
- Add-on impression technique
- Corrective impression (materials and techniques)
- Impression techniques for working models
- Impression materials for working models
- Digital impressions
- Open-tray implant impression
- Closed-tray implant impression

5. Provisional Prosthetics

- Provisional restorations in implant prosthodontics – types and indications
- Provisional crowns
- Provisional bridges
- Diagnostic provisional restorations
- Provisional cementation of fixed prosthodontic restorations

6. Laboratory Phase and Materials

- Types and characteristics of models in fixed prosthodontics
- Auxiliary and laboratory materials
- Dental alloys and metals
- Ceramic materials in prosthodontics
- Advantages and limitations of titanium bases in metal-ceramic restorations
- Indications and contraindications for zirconia restorations
- Types of zirconia restorations
- Materials for bridge frameworks
- Pontic designs
- Connector design in bridges

7. Types of Restorations and Biomechanics

- Crowns – classification, indications and contraindications
- Metal-ceramic crowns
- All-ceramic crowns
- Partial crowns – inlays, onlays, overlays, occlusal veneers
- Esthetic veneers – indications, contraindications, principles and materials
- Veneered crowns
- Modified crowns
- Cantilever bridges
- Inlay-retained bridges with metal frameworks
- Resin-bonded (Maryland) bridges
- Telescopic systems
- Precision attachments – types, biomechanical principles, and fabrication
- Planning of combined prosthodontic restorations
- Post and core systems – types, indications and contraindications

- Custom-made posts and cores
- Metal-free post systems – types and fabrication principles
- Prefabricated post systems
- Biomechanical principles in prosthetic therapy
- Tribological aspects in dental prosthetics

8. Implant Prosthodontics

- Implant-supported prosthetic restorations
- Types of implant abutments
- Retention methods for implant restorations (screw vs. cemented)
- Loading protocols in implant prosthodontics
- Full-arch fixed implant prosthodontics – FP1 to FP3
- Follow-up examinations in implant prosthodontics

9. Cementation and Finalization

- Final finishing of fixed restorations
- Cementation techniques for fixed prosthodontic restorations
- Conventional (non-adhesive) permanent cementation
- Adhesive cementation
- Silanization
- Delivery of combined prosthodontic restorations

10. Digital and CAD/CAM Technologies

- CAD/CAM fabrication of fixed prosthodontic restorations
- 3D printing of fixed prosthodontic restorations
- Milling of fixed prosthodontic restorations

11. Maintenance and Complications

- Follow-up examinations
- Oral hygiene and maintenance of fixed restorations during the functional phase
- Complications in fixed prosthodontic therapy
- Removal of fixed prosthodontic restorations
- Repairs of fixed prosthodontic restorations
- Types of longevity of fixed prosthodontic restorations
- Structural durability of fixed restorations
- Specifics of fixed prosthodontic therapy in children and adolescents
- Specifics of fixed prosthodontic therapy in elderly patients