

# CONSERVATIVE DENTISTRY AND PROSTHODONTICS

(requirements for specialty exam)

## CONSERVATIVE DENTISTRY

### *Operative Dentistry*

Be aware of:

- anatomy and physiology of the masticatory apparatus
- epidemiology of caries
- aetiology of caries and consequential diseases
- general diseases, which can be risk factors for caries
- results of latest research about dental focal disease
- microbiological background of hard tissue lesions
- pathomechanism and progression of caries
- immunologic and genetic background of caries
- mechanism and significance of plaque retention
- materials used in operative dentistry

Be aware of and how to apply:

- equipments used for teeth preparation
- theoretical and practical requirements for infection control
- recommended techniques of making composite filling into different classes
- other procedures used in aesthetic dentistry (bleaching, veneer etc.)
- making amalgam filling
- create indirect restorations

### *Endodontics*

Be aware of:

- diagnosis of the pain originated from pulp or periapical tissues in case of permanent and primary teeth
- biology of dental pulp and periodontal tissues
- pathology of dental pulp and periodontal tissues
- emergency cases induced by infected pulp
- treatment of teeth with vital pulp, principles of preventive endodontics
- endodontic treatment in elderly
- materials and pharmacology of endodontics

Be aware of and how to apply:

- diagnostic of endodontic diseases and treatment plans
- local anaesthetic methods used in endodontics
- isolation of treated teeth
- radiological aspects of root canal treatment
- non-surgical endodontic procedures
- principles and methods of definitive solution after root canal treatment
- methods for revision of teeth with inadequate root canal fillings
- endodontic treatment and replantation of traumatic teeth
- surgical endodontics

### **Interventions to be performed:**

<b><u>Intervention</u></b>	<b><u>number of cases</u></b>
<b>Extraction</b>	500
<b>Filling</b>	1200
• amalgam filling	480
• aesthetic filling	720

### **Distributions according to the surfaces:**

- one surface 450
- more surfaces 720
- including reconstruction of crown 30
- inlay/onlay 30

<b>Root canal treatment (by absolute isolation)</b>	120
• from this multirooted	60
• from previous cases irreversible pulpitis at least	15
• from this multirooted at least	9

Total rehabilitation (root canal treatment, final reconstruction) with fully documented cases (photo documentation, X-rays).

Verification form: exam

## **PROSTHODONTICS**

Be aware of:

- epidemiology of edentulous status
- material and technical background of the partially edentulous patient therapy
- diagnostic and therapeutic aspects prior to completely edentulous situation
- diagnostic and therapeutic aspects and opportunities of completely edentulous situation
- materials and technical background of complete denture

- risk factors associated with edentulous status
- dentures, and temporomandibular joint disorders, those in association with prosthetic therapy
- chewing ability and the concept of power and prosthetic treatment indications to timely results
- special aspects of the formation and the therapeutic potential of tooth loss in childhood
- special aspects of the diagnosis, therapy and prognosis of tooth loss in elderly patients
- fundamentals of osseointegration, the clinical implications
- the basic methods of prosthetic implantology
- characteristics of the tissue reactions to the prosthetic materials
- a maxillofacial prosthodontics principles and therapeutic possibilities

Be aware of and how to apply:

- the general policy of partial edentulousness diagnostics and treatment planning
- the complete edentulousness therapy
- diagnosis, planning and treatment guidelines of implant prosthodontics
- prosthetic therapy prognosis in partially edentulous conditions
- the general principles of dental care
- periodontal aspects of prosthodontics
- clinical and radiological features of the implantation complications and the treatment opportunities

**Interventions to be performed:**

<b><u>Intervention</u></b>	<b><u>number of cases</u></b>
documented complex rehabilitation, maintenance (checking)	150
complete treatment of 1A and/or 1B FF class (including temporary and implant solutions)	18
complete treatment of 2A, 2B, 2A/1 and 3 FF class	21
• full coverage crown	90
• bridge	66
• casted dowel core	9-15
• clasp retained removable partial denture	36
• Complete denture	30

Verification form: exam

Theoretical and practical accomplishments set out in the supplementary trade items (Periodontology, Dentoalveolar surgery, Orthodontics, Pediatric dentistry), according to system requirements include the compulsory master curriculum.