

PERIODONTOLOGY

(requirements for specialty exam)

Theoretical/academic requirements**

The participant must be aware of the following:

- Macroscopic and microscopic anatomy and physiology of the periodontium
- Epidemiology of periodontal diseases
- Etiology of periodontal diseases
- Risk factors of periodontal illnesses
- Systemic diseases related to periodontal diseases
- The latest study results on focal infections
- Microbiological background of periodontal diseases
- Pathomechanism and disease progression
- Immune reactions during periodontal diseases
- Mechanism of calculus accumulation and its importance
- Systemic response following periodontal disease
- Oral symptoms of AIDS and its effect on the periodontium and periodontal disease
- Genetic background of periodontal diseases
- Effects of systemic illnesses on the periodontium and on periodontal disease
- Role of periodontal disease in the etiology of systemic illnesses
- Effect of drugs on the periodontium and periodontal diseases
- The role of local factors in the pathomechanism of gingivitis and periodontitis
- Effects of occlusal forces on the periodontium and periodontal diseases
- Etiology and clinical types of gingivitis
- Etiology and clinical types of gingival hyperplasty
- Desquamative gingivitis and its etiology
- The most common oral mucosal diseases and their etiology
- Periodontal pocket formation
- Clinical forms of periodontitis
- Pathomechanism and morphology of bone loss
- Periodontal considerations in prosthodontics and prosthetic rehabilitation

- Relation between periodontology and orthodontics. Guidelines for orthodontic treatment of periodontally compromised patients
- The function, tasks and competencies of dental hygienists

The participant must be aware of and apply the following:

- Periodontal diagnosis and clinical diagnostic methods
- Complementary examination methods
- Diagnosis, assessment of clinical symptoms
- Treatment plan for complex cases
- Treatment plan for risk patients in periodontology
- Patient education, motivation and oral hygiene instructions
- Use and maintenance of periodontal instruments
- Treatment of acute gingivitis
- Treatment of acute gingival/periodontal abscesses and pericoronitis
- Mechanical plaque-control
- Chemical plaque-control
- Treatment of chronic periodontitis
- Treatment of aggressive periodontitis
- Use of antibiotics in periodontal diseases
- Periodontal treatment of patients infected with HIV
- Periodontal surgical methods
- Supragingival debridement
- Subgingival scaling and root planing
- Gingivectomy procedures
- Periodontal flap surgery
- Regenerative periodontal surgery
- Endo-perio lesions, diagnosis and treatment aspects
- Mucogingival surgery
- Clinical and radiological signs of peri-implantitis
- Treatment of peri-implantitis
- Prosthetic therapy of periodontally compromised patients

- Periodontal maintenance and recall

Procedures to be performed**

| Procedure | Case number |
|--|--------------------|
| Treatments | 100 |
| • subgingival debridement | 40 |
| • subgingival scaling and root planing | 10 |
| • gingivectomy/gingivoplasty | 5 |
| • periodontal flap surgery | 15 |
| • mucogingival surgery | 5 |
| • guided tissue regeneration | 5 |
| • endo-perio lesions | 5 |
| • risk patients in periodontology | 5 |
| • assistance in implant surgery | 10 |

The requirements are 100 documented cases (photo documentation of at least one case in each group). During periodontal procedures participants should apply the principles of infection control.

* The theoretical and practical requirements of additional subjects (Conservative Dentistry and Prosthodontics, Dento-alveolar Surgery, Orthodontics, Pediatric Dentistry) are specified in the „Basic lectures of internship programme”.

**Furthermore, the participant must accomplish the „Oral mucosal diseases” curricula of the Periodontology block stated in the „Basic lectures of internship programme”.