

PRE-GRADUATE 6TH YEAR CLINICAL PRACTICE IN OPERATIVE DENTISTRY AND ENDODONTICS

PLAN: Duration -30 days (6 weeks) by 6 hours = 180 hours; ECTS credits - 14,0.

The 6th clinical practice includes:

- 1. Theoretical preparation**
- 2. Demonstrations**
- 3. Clinical work with patients**
- 4. Presentation of clinical cases in front of commission from the department**

WEEK I:

1. Theoretical part:

Questions from the syllabus: 1; 2; 3; 5; 7; 8; 10; 11; 12; 13; 14; 15; 16

- 1.1.** Infection control in the dental practice. Isolation of the operative field.
 - 1.2.** Biomedical bases for dentinal wound treatment in caries profunda.
 - 1.3.** Biomechanical problems in restorations of hard dental tissues with non-aesthetic and aesthetic materials.
- 2. Demonstrations:**
 - 2.1.** A video about infection control and discussion
 - 2.2.** Demonstration of rubber dam placement in clinical environment.
 - 2.3.** Fabrication of indirect obturation with cuspal coverage.
 - 3. Practical work with patients:**
 - 3.1.** Clinical work with patients.

WEEK II:

1. Theoretical part:

Questions from the syllabus: 4; 20; 21; 22; 43

- 1.1.** Prevention of dental caries in adults.
 - 1.2.** Non-carious diseases of hard dental tissues.
 - 1.3.** Physical methods of diagnosis and treatment of dental caries and non-carious diseases.
- 2. Demonstrations:**
 - 2.1.** A video and discussion about physical methods of diagnosis and treatment of dental caries and non-carious diseases.
 - 2.2.** Demonstration of caries risk assessment.
 - 2.3.** Direct and indirect aesthetic composite restorations according to the indications.
 - 3. Practical work with patients:**
 - 3.1.** Clinical work with patients

WEEK III:

1. Theoretical part:

Questions from the syllabus: 23; 24; 25; 26; 27; 28; 29

- 1.1.** Etiology, pathogenesis, clinic, diagnostics of reversible and irreversible pulpitis.
 - 1.2.** Treatment of reversible and irreversible pulpitis.
 - 1.3.** Healing mechanism after vital and non-vital pulp-therapy. Evaluation criteria - postoperative follow-ups and recalls.
- 2. Demonstrations:**
 - 2.1.** Video and discussion of analgesic techniques in the treatment of pulpal diseases.
 - 2.2.** Determination of accurate indications for preserved regenerative pulp potential.

2.3. Demonstration of techniques for chemomechanical preparation and obturation of non-infected root canals.

2.4. Demonstration of clinical and paraclinical criteria for evaluation of the healing process after biological and endodontic treatment of dental pulp.

3. Practical work with patients:

3.1. Clinical work with patients.

WEEK IV:

1. Theoretical part:

Questions from the syllabus: 30; 31; 38; 44

1.1. Etiology, pathogenesis, clinic, diagnosis and treatment of acute periodontitis.

1.2. Etiology, pathogenesis, clinic, diagnosis and treatment of chronic periodontitis.

1.3. Healing mechanism after endodontic treatment of acute and chronic periodontitis. Evaluation criteria - postoperative follow-ups and recalls. Physical methods for influencing root canals, pain and inflammation in the periodontium.

2. Demonstrations:

2.1. Video and discussion of physiotherapeutic methods in the complex treatment of periodontitis.

2.2. Demonstration of techniques for chemomechanical preparation and obturation of infected root canals.

2.3. Demonstration of clinical and paraclinical criteria for evaluation of the healing process after treatment of acute and chronic periodontitis.

3. Practical work with patients:

3.1. Clinical work with patients.

WEEK V:

1. Theoretical part:

Questions from the syllabus: 32; 33; 34; 35; 36; 37; 39

1.1. Preparatio, Medicatio, Obtiratio canalis radices dentis - goals, biological and mechanical requirements. Methods, instruments. Errors and complications in endodontic treatment.

1.2. Endodontic retreatment.

1.3. Restoration of endodontically treated teeth - characteristics, post-and-core build-up, conservative restoration techniques.

2. Demonstrations:

2.1. Video and discussion of new endodontic instruments and root canal obturation systems.

2.2. Demonstration of a treatment approach for errors and complications during endodontic treatment.

2.3. Demonstration of a clinical protocol of different types of post systems.

3. Practical work with patients:

3.1. Clinical work with patients.

WEEK VI:

1. Theoretical part:

Questions from the syllabus: 40; 41; 42

1.1. Emergency endodontic treatment.

1.2. Difficult differential diagnosis in endodontics involving diseases of odontogenic and non-odontogenic origin.

1.3. Indications for endodontic surgery. Root amputation, apical osteotomy re-implantation.

2. Demonstrations:

2.1. Video and discussion of endodontic surgery techniques.

2.2. Demonstration of differentiation of pain of odontogenic origin from pain of nonodontogenic origin.

2.3. Equipment for emergency in the dental office. Protocol for management of anaphylactic shock and hypertensive crisis.

3. Practical work with patients:

3.1. Clinical work with patients.