



CLINICAL PRACTICE PROGRAM
V course, IX semester

№	TOPIC	HOURS
1.	Necrobiosis, necrosis, gangrene of the pulp – clinical presentation and diagnostics. Differential diagnostics. Treatment plan.	6 h.
2.	Chronic apical periodontitis – Periodontitis chronica fibrosa and Periodontitis chronica granulomatosa localisata. Etiology, pathogenesis, clinical presentation, differential diagnosis, treatment plan, prognosis.	6 h.
3.	Periodontitis chronica granulomatosa progressive (diffusa) sine (cum) fistula – clinical presentation and diagnostics – anamnesis, inspection – vasoparesis symptom, Crane`s symptom, Marmasse symptom, x-ray findings. Differential diagnosis. Treatment plan. Prognosis. Periodontitis exacerbate; Cysta radicularis – clinical presentation, differential diagnosis, treatment plan, prognosis.	6 h.
4.	Chronic apical periodontitis – treatment plan. Indication, contraindications, major treatment principles, one-visit one-phase therapy. Two-visit (multi-visit) one phase therapy, multi-visit two-phase therapy. Complications.	6 h.
5.	Endodontic microbiology – the endodontic triad. Microbial causation of apical periodontitis. Routes of root canal infection. Types of endodontic infections. The endodontic microbiota.	6 h.
6.	Combined endo-perio lesions. Anatomical and functional correlations between the endodontium and the periodontium. Classification of endo-perio lesions. Diagnostics. Symptoms, associated with the involvement of the pulp and the periodontium. Clinical presentation. Treatment plan.	6 h.
7.	Endodontic retreatment – systems and techniques for the removal of root canal obstructions. Materials, methods, and medicaments for the treatment of possible complications. Clinical practice.	6 h.
8.	Endodontic retreatment – reasons for initiating a retreatment. Basic principles of retreatment. Contemporary methods for endodontic surgery. Clinical practice.	6 h.
9.	Elective endodontic surgery – indications and contraindications. Contemporary methods for endodontic surgery (lasers, ultrasound). Materials, instruments and techniques for the retrograde rrt canal obturation. Clinical practice. Colloquium: Chronic periodontitis – clinics and treatment. Endodontic microbiology, endo-perio lesions, endodontic retreatment.	6 h.
10.	Elective endodontic surgical manipulations – apical curettage, apexectomy, root amputation, hemisection, bicuspidation, trans-root implants. Surgical steps and procedures. Postoperative treatment, possible complications, prognosis.	6 h.
11.	Difficult differential diagnosis in endodontics with the involvement of neighbouring regions. Differential diagnosis – sinusitis, rhinitis, neuritis, neuralgia, aerodontalgia, atypical facial pain, traumatic occlusion.	6 h.

12.	Emergency endodontic treatment. Indications. Treatment plan. Antibiotics and anti-inflammatory medicaments – indications. Nosological entities.	6 h.
13.	Pain control in endodontics: clinical behavior in symptomatic pulpitis, periodontitis, cracked tooth syndrome, traumatic pulpitis in coronal fractures. Colloquium: Emergency endodontic treatment – indications. Treatment plan. Difficult differential diagnosis in endodontics, endodontic surgery. Clinical practice.	6 h.
14.	Treatment errors in pulpitis and periodontitis. Foramen mentale, sinuses, follicular cysts. Sinuitis, rhinitis, neuralgia, denticles.	6 h.
15.	Treatment errors in pulpitis and periodontitis. Errors during endodontic treatment that endanger the treated tooth – undiscovered and unprepared root canal, insufficiently obturated root canal, ledges, perforations, fractured instruments, over-instrumentation, root canal overfill, tooth discoloration. Prophylaxis and treatment. Errors that endanger patient's life – anaphylactic shock, swallowing or aspiration of an endodontic instrument, subcutaneous emphysema – prophylaxis of the possible complications.	6 h.
	TOTAL:	90 h.

Изготвил:
Хабилитираните лица от Катедрата ОЗЕ

Съгласувал:
(проф. д-р Н. Манчорова, дм,
Ръководител Катедра ОЗЕ)

Утвърдена на Катедрен съвет № 12/16.07.2020 г.



**CLINICAL PRACTICE PROGRAM
V course, X semester**

№	TOPIC	HOURS
1.	Treatment planning in endodontics – scope of endodontic treatment; factors that determine the number of visits; initial treatment; definitive treatment; treatment options; manipulations in the scope of the general dentistry; endodontic treatment impeding factors. Recognizing when cases should be referred.	6 h.
2.	Restoration of endodontically treated teeth. Characteristics of endodontically treated teeth – extensive loss of hard dental tissues, reduced elasticity, reduced tooth stability, decreased microhardness. Treatment choices for the restoration of endodontically treated teeth according to the loss of coronal tissues. Radicular posts – types, cementation technique, instruments, errors, and complications.	6 h.
3.	Restoration of vital teeth with extensive loss of coronal tissues. Complex cavities with cups reduction. Dentinal (parapulpal) posts – indications, errors, and complications. Dentinal chambers, pins, locks, skirts. Connected amalgam restorations. Onlay fabrication – cavity preparation, critical analysis, prognosis. Veneers – indications, contraindications.	6 h.
4.	Vertical Fractures of the crown and the root – incidence, categories, craze lines, fractured cusp, cracked tooth, split tooth, vertical root fracture.	6 h.
5.	Non-caries lesions of the hard-dental tissues – chemical, thermal, mechanical – diagnostics, DD, clinical presentation, treatment plan.	6 h.
6.	Non-caries lesions of the hard-dental tissues – abrasion, attrition, erosion, wedge-shaped defects, abfraction. Epidemiology. Clinical presentation. Diagnostics. Differential diagnostics. Treatment plan.	6 h.
7.	Colloquium: Non-caries lesions the hard-dental tissues. Fractures in endodontically treated teeth. Restoration of endodontically treated teeth. Restoration of vital teeth with extensive loss of coronal tissues.	6 h.
8.	Dentin hypersensitivity – definition, etiology. Development phases. Mechanisms. Diagnostics. Treatment plan. Desensitizing agents. Prevention.	6 h.
9.	Dental caries prophylaxis – major factors, related to caries progression, stages of caries prevention. Primary, secondary, and tertiary prophylaxis: aim, major guidelines, treatment options, medicaments. Caries risk assessment.	6 h.
10.	The healing process after biological treatment of pulpitis – indirect pulp capping direct pulp capping, vital amputation. Criteria for the assessment of the results – clinical, EPT, x-ray.	6 h.
11.	The healing process after vital and non-vital pulp therapy. The apical wound after vital and non-vital extirpation – critical analysis, prognosis.	6 h.
12.	The healing process after the treatment pulp gangrene, acute and chronic periodontitis. Criteria for the assessment results – clinical. EPT, x-ray.	6 h.

13.	Colloquium: Dentin hypersensitivity. The healing process after vital pulp therapy, the treatment of pulpitis, acute and chronic periodontitivital pulp therapy.	6 h.
14.	Bleaching of non-vital teeth with discolorations – reasons for the colour changes. Methods – definition, techniques, complications. Bleaching of vital teeth. Reasons for the colour changes, techniques, contraindications, and complications. Assessment criteria and control of the results.	6 h.
15.	Geriatric endodontics. Biologic considerations. Pulp response. Periradicular response. Healing. Medically compromised patients. Diagnosis, DD, treatment planning.	6 h.
	TOTAL:	90 h.

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Съгласувал:
(проф. д-р Н. Манчорова, дм
Ръководител Катедра ОЗЕ)

Утвърдена на Катедрен съвет № 2/04.02.2021 г.