



LECTURE PROGRAMME
V course, IX semester

№	TOPIC	HOURS
1.	Necrosis, necrobiosis, gangrene of the pulp. Definition, etiology, pathogenesis, pathomorphology, clinical presentation, diagnostics, differential diagnosis, treatment plan.	1 h.
2.	Chronic apical periodontitis – Periodontitis chronica fibrosa and Periodontitis chronica granulomatosa localisata. Etiology, pathogenesis, clinical presentation, differential diagnosis, treatment plan, prognosis.	1 h.
3.	Periodontitis chronica granulomatosa progressive (diffusa) sine (cum) fistula. Histopathology, clinical presentation, differential diagnosis, treatment plan, prognosis.	1 h.
4.	Chronic apical periodontitis – treatment plan. Indications, contraindications, major treatment principles, one-visit one-phase therapy, two-visit (multi-visit) one phase therapy, multi-visit two-phase therapy. Complication.	1 h.
5.	Evaluation of endodontic outcomes. Definition of success and failure. Methods for evaluation of endodontic outcomes. Success rates. Predictors of success and failure. Causes of failed root canal treatments.	1 h.
6.	Endodontic microbiology. Microbial causation of apical periodontitis. Routes of root canal infection. Types of endodontic infections. The endodontic microbiota.	1 h.
7.	Combined endo-perio lesions. Classification, clinical presentation, diagnostics. Treatment plan.	1 h.
8.	Endodontic retreatment – Part I. Definition, aim, advantages and disadvantages, major reasons for retreatment. Steps and phases of the treatment plan.	1 h.
9.	Endodontic retreatment – Part II. Types of endodontic retreatment. Systems and techniques for the removal of root canal obstructions. Complications.	1 h.
10.	Elective endodontic surgery. Indications and contraindications. Contemporary methods for endodontic surgery.	1 h.
11.	Elective endodontic surgery. Apical curettage, apexectomy, root amputation, hemisection, bicuspidation, trans-root implants. Surgical step and procedures. Postoperative treatment, possible complications, prognosis.	1 h.
12.	Emergency endodontic treatment. Indications. Treatment plan. Nosological entities.	1 h.

13.	Difficult differential diagnosis in endodontics. Difficult differential diagnosis in endodontics with the involvement of neighbouring regions. Differential diagnosis – sinusitis, rhinitis, neuritis, neuralgia, aerodontalgia, atypical facial pain, traumatic occlusion.	1 h.
14.	Treatment errors in pulpitis and periodontitis. Differentiation between normal anatomical structures – foramen mentale, follicular cysts. Differentiation between other diseases in the neighbouring regions – sinusitis, rhinitis, neuralgia, denticles.	1 h.
15.	Treatment errors in pulpitis and periodontitis. Errors during endodontic treatment that endanger the treated tooth. Prophylaxis and treatment. Errors that endanger patients' life – prophylaxis of the possible complications.	1 h.
	TOTAL:	15 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.



**LECTURE PROGRAMME
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.	1 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 post – types, cementation technique, instruments, errors, and complications.	1 h.
3.	Restoration of vital teeth with extensive loss of coronal hard dental 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.	1 h.
4.	Vertical fractures of the crown and the root – incidence, categories, craze lines, fractured cups, cracked tooth, split tooth, vertical root fracture.	1 h.
5.	Non-caries lesions of the hard-dental tissues. Chemical, thermal, mechanical – diagnostics, DD, clinical presentation, treatment plan.	1 h.
6.	Non-caries lesions of the hard-dental tissues. Abrasion, attrition, erosion, wedge-shaped defects, abfractions. Epidemiology. Clinical presentation. Diagnostics. Differential diagnostics. Treatment plan.	1 h.
7.	Dentin hypersensitivity. Definition, etiology. Development phases. Mechanisms. Diagnostics. Treatment plan. Desensitizing agents. Prevention.	1 h.
8.	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.	1 h.
9.	The healing process after biological treatment of the pulp. Indirect pulp capping, direct pulp capping, vital amputation. Criteria for the assessment of the results – Clinical, EPT, x-ray.	1 h.
10.	The healing process after pulpitis treatment. The apical wound after vital and non-vital extirpation. Critical analysis, prognosis.	1 h.
11.	The healing process after periodontitis treatment. Criteria for the assessment of the results – clinical, EPT, x-ray.	1 h.

12.	Root resorption. Classification, clinical symptoms, histopathology, treatment plan, prognosis.	1 h.
13.	Bleaching of vital teeth. Reasons for the colour changes. Methods – definition, techniques, complications.	1 h.
14.	Bleaching of non-vital teeth. Reasons for the colour changes, techniques, contraindications, and complications. Assessment criteria and control of the results.	1 h.
15.	Geriatric endodontics. Biologic considerations. Pulp response. Periradicular response. Healing. Medically compromised patients. Diagnosis. DD, treatment planning.	1 h.
	TOTAL:	15 h.

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

Утвърдена на Катедрен съвет № 2/04.02.2021 г.