

CONSERVATIVE DENTISTRY - II PART

LECTURES

ЛЕКЦИИ - ТЕЗИСИ *VII семестър, IV курс*

ЛЕКЦИЯ № 1 - 1 час

Infection control in dental practice - its importance, modes of transmission of infections, ways of spreading the infection. Precautions that can be taken for the protection of the dentists, the patient's and the environment. Ways of controlling the spread of infections.

Special features of the infection control in Operative Dentistry and Endodontics.

ЛЕКЦИЯ № 2 – 1 час

Ergonomics of the workplace. Occupational diseases and their prophylaxis. Teamwork.

ЛЕКЦИЯ № 3 - 1 час

Dental caries - fundamentals, incidence of caries in adults, etiological factors: dental biofilm with cariogenic bacteria, carbohydrate foods, enamel resistance, saliva, pathogenesis (theories, hypotheses, conceptions). Pathomorphological changes in the hard-dental tissues and pulp during caries progression.

ЛЕКЦИЯ № 4 - 1 час

The main symptoms of dental caries (increased sensitivity, colour change, loss of integrity of the tooth, loss of function). Caries classification based on the extent of the caries, on its localization and on its progression. Methods for examining clinically visible caries lesions.

ЛЕКЦИЯ № 5 - 1 час

Dental caries - clinical features, diagnostics, differential diagnosis.

ЛЕКЦИЯ № 6 - 1 час

Early caries detection - methods. Non-operative treatment of dental caries (motivational strategies in oral hygiene, changes in the patient's diet, increasing enamel resistance, saliva testing).

ЛЕКЦИЯ № 7 - 1 час

Non-operative treatment methods - ozone therapy, air abrasion, laser, sealants, chemicalmechanical caries debridement. Minimally invasive preparations (enameloplasty).

ЛЕКЦИЯ № 8 - 1 час

Pain management in operative dentistry. Pain perception and reaction - reflex arc, gate control theory of Melzack and Wall.

Management of the pain through:

- 1/ The central nervous system (psychoprophylaxis, hypnosis, audioanalgesia, acupuncture, premedication and general anaesthesia).
- 2/ Local anaesthesia (infiltrative anaesthesia, nerve block anaesthesia, intraligamentary anaesthesia, endosseous anaesthesia).
- 3/ Local block of the pain impulse (atraumatic work, contact anaesthesia, electroodontanalgesia, TENS-method).

ЛЕКЦИЯ № 9 - 1 час

Dentin caries - Caries media, Caries profunda. Areas of caries progress in the dentin. Medico-biological basis of the treatment of the dentin wound in deep caries lesions - characteristics of the dentin wound, types of dentin located over the pulp, clinical differentiation. Medicaments and materials for the treatment of deep caries lesions - pharmacodynamics of the basic medicaments and materials, explanation of the one-step and two-step treatment of deep caries lesions.

ЛЕКЦИЯ № 10 - 1 час

Root caries (of the cementum, adult caries). Cementum - structure, function. Risk factors for the development of root caries. Diagnostics, types, and development stages of root caries. Clinical features. Differential diagnosis. Treatment - special features, problems and risks, materials, and medicaments. Prophylaxis.

ЛЕКЦИЯ № 11 - 1 час

Secondary caries - definition, frequency, localization, clinical features, and diagnostics. Etiology, treatment, and prophylaxis.

ЛЕКЦИЯ № 12 - 1 час

Clinical features, diagnostics, and treatment of rampant caries. Medical approach when treating rampant caries. Clinical protocol for rampant caries treatment.

ЛЕКЦИЯ № 13 - 1 час

Amalgam and cast-metal restorations - biomechanical problems. Characteristics of the cavity preparation - determining the borderlines of the cavity, resistance, and retention form, replacing a restoration, preparation forms with tuber defense, secondary retention form (dentin pins, amalgam pins, collars). Choosing the correct type of amalgam - instruments. Connected amalgam restorations. Restoration of occlusion. Restoration of the proximal contacts, connection with the marginal gingiva in class II amalgam restoration. Advantages and disadvantages.

ЛЕКЦИЯ № 14 - 1 час

Composite and glass-ionomer restorations - biomechanical problems. Cavity preparation for composite materials - characteristics of the preparation form - preparation for adhesive bonding. Glass-ionomer restorations - indications, working technique. Adhesion to enamel and dentin. Adhesive systems. Direct and indirect composite restorations. Advantages and disadvantages.

ЛЕКЦИЯ № 15 - 1 час

Errors and complications in the diagnosis and treatment of dental caries.

PRACTICES

УПРАЖНЕНИЯ -ТЕЗИСИ

VII семестър, IV курс

УПРАЖНЕНИЕ № 1 - 4 часа

Introduction to the equipment in the clinical rooms.

Safety instructions.

Patients' registration.

Demonstration of a patient's first visit.

Clinical practice.

УПРАЖНЕНИЕ № 2 - 4 часа

Infection control in dentistry.

Demonstration of the personal protective equipment. Disinfection of the working field. Sterilization of the instruments.

Clinical practice.

УПРАЖНЕНИЕ № 3 - 4 часа

Ergonomics.

Guidelines for improving posture and ergonomics when working on different teeth groups - demonstration.

Role of the dental assistant during treatment.

Clinical practice.

УПРАЖНЕНИЕ № 4 - 4 часа

Dental caries.

Discussion of the main risk factors in dental caries. Demonstration of the risk factors - poor oral hygiene (visualization of the dental plaque), poorly contoured dental restorations, compromised general health, social status.

Clinical practice.

УПРАЖНЕНИЕ № 5 - 4 часа

Main symptoms of tooth decay.

Demonstration of the main symptoms of tooth decay.

Clinical practice.

УПРАЖНЕНИЕ №6-4 часа

Dental caries - clinical features, diagnostics, differential diagnosis.

Demonstration of dental caries cases with different clinical features. Clinical practice.

УПРАЖНЕНИЕ № 7 - 4 часа

Early caries detection - methods.

Demonstration of different methods for early caries detection.

УПРАЖНЕНИЕ № 8 - 4 часа

Pain management in Operative Dentistry.

Clinical demonstration of the various techniques for pain management during caries treatment.

Clinical practice.

УПРАЖНЕНИЕ № 9 - 4 часа

Colloquium: Dental caries - etiology, main symptoms, diagnostics, clinical symptoms (syllabus).

Clinical practice.

УПРАЖНЕНИЕ № 10 - 4 часа

Dentin caries — caries media, caries profunda.

Demonstration of clinical cases.

Clinical practice.

УПРАЖНЕНИЕ № 11 - 4 часа

Root caries (of the cementum, adult caries).

Demonstration of clinical cases.

УПРАЖНЕНИЕ № 12 - 4 часа

Secondary caries.

Demonstration of clinical cases.

Clinical practice.

УПРАЖНЕНИЕ № 13 - 4 часа

Clinical features, diagnostics and treatment of rampant caries.

Demonstration of clinical cases.

Clinical practice.

УПРАЖНЕНИЕ № 14 - 4 hours часа

Biomechanical problems when using different obturation materials.

Demonstration of clinical cases.

Clinical practice.

УПРАЖНЕНИЕ № 15 - 4 часа

Discussion of the finished clinical cases.

Verification of the semester.

LECTURE

ЛЕКЦИИ - ТЕЗИСИ
VIII семестър, IV курс

ЛЕКЦИЯ № 16 - 1 час

Anatomy and physiology of dental pulp tissue - histology, functions, and basic pathological processes in dental pulp.

ЛЕКЦИЯ № 17 - 1 час

Etiology and pathogenesis of inflammatory and non-inflammatory pulp pathology - mechanisms of pulpal inflammation, histopathology, characteristics of pulpal pain.

ЛЕКЦИЯ № 18 - 1 час

Symptoms and classifications of pulp pathology - biological, physiological, and histological features of pulpal pain, critical analyses of classifications.

ЛЕКЦИЯ № 19 - 1 час

Diagnostic procedures of pulp pathology - chief complaints, clinical methods, clinical tests, paraclinical methods, interpretation of diagnostics data.

ЛЕКЦИЯ № 20 - 1 час

Acute pulpitis - classification, subjective and objective signs and symptoms, diagnosis, differential diagnosis, therapeutic guideline.

ЛЕКЦИЯ № 21 - 1 час

Chronic pulpitis - classification, subjective and objective signs and symptoms, diagnosis, differential diagnosis, therapeutic guideline.

ЛЕКЦИЯ № 22 - 1 час

Reversible and irreversible pulpitis - critical analyses of classifications, local and general factors for reversibility of pulpal inflammation, therapeutic guideline.

ЛЕКЦИЯ № 23 - 1 час

Vital pulp therapy - indirect pulp treatment - indications and contraindications, treatment technique,

pharmacological properties of pulp-capping materials, evaluation of treatment outcomes and prognosis.

ЛЕКЦИЯ № 24 - 1 час

Vital pulp therapy - direct pulp capping - indications and contraindications, treatment technique, pharmacological properties of pulp-capping materials, evaluation of treatment outcomes and prognosis.

ЛЕКЦИЯ № 25 - 1 час

Vital pulp therapy - partial pulpotomy (pulp amputation) - indications and contraindications, treatment technique, pharmacological properties of pulp-capping materials. Evaluation of treatment outcomes and prognosis.

ЛЕКЦИЯ № 26 - 1 час

Non-vital pulp therapy - pulpectomy (vital pulp extirpation). Essence, indications and contraindications, treatment techniques, anesthetic techniques in different teeth groups, complications, and therapeutic decisions.

ЛЕКЦИЯ № 27 - 1 час

Non-vital pulp therapy - pulpectomy (arsenic devitalization, mortal pulp extirpation). Essence, indications and contraindications, critical analyses, techniques. Arsenic medicaments - Mechanisms for devitalization, working technique: time for exposure, amount, placement, and removal rules.

ЛЕКЦИЯ № 28 - 1 час

Anatomy and physiology of periodontium - basic structural elements, function, blood supply, innervation, lymphatic drainage. Pulpal-periodontal connections. Classifications. Methods in diagnostics of periodontitis.

ЛЕКЦИЯ № 29 - 1 час

Acute serous periodontitis - classification, subjective and objective signs and symptoms, diagnosis, differential diagnosis, therapeutic guideline

ЛЕКЦИЯ № 30 - 1 час

Acute purulent periodontitis - classification, subjective and objective signs and symptoms, diagnosis, differential diagnosis, therapeutic guideline

PRACTICES

УПРАЖНЕНИЯ - ТЕЗИСИ

VIII семестър, IV курс

УПРАЖНЕНИЕ № 16 - 4 часа

Safety instructions for working in the clinical rooms.

УПРАЖНЕНИЕ №17- 4 часа

Anatomy and physiology of the pulp -

Demonstration of the special features of their anatomy in different tooth groups - on models and photographs. Clinical practice.

УПРАЖНЕНИЕ № 18 - 4 часа

Etiology and pathogenesis of the inflammatory diseases of the pulp - demonstration of basic factors that cause inflammation of the pulp - on patients and photographs.

Clinical practice.

УПРАЖНЕНИЕ № 19 - 4 часа

Diseases of the pulp - methods for examination - obtaining the medical and dental history of the patient, clinical and paraclinical methods for examination. Demonstration. Analysis of the results. Clinical practice.

УПРАЖНЕНИЕ - 4 часа

Non-inflammatory pathological processes of the pulp - atrophy, dystrophy, calcium metaplasia, circulatory disorders - demonstration on photographs. Directions for treatment. Clinical practice.

УПРАЖНЕНИЕ № 21 - 4 часа

Acute pulpitis.

Discussion of the clinical symptoms and directions for treatment. Clinical practice.

УПРАЖНЕНИЕ № 22 - 4 часа

Chronic pulpitis.

Discussion of the clinical symptoms and directions for treatment. Clinical practice.

УПРАЖНЕНИЕ № 23 - 4 часа

Reversible and irreversible pulpitis.

Discussion of the clinical symptoms and directions for treatment. Clinical practice.

УПРАЖНЕНИЕ № 24 - 4 часа

Colloquium:

Etiology and clinical symptoms of the inflammatory diseases of the pulp (syllabus). Clinical practice.

УПРАЖНЕНИЕ № 25 - 4 часа

Biological methods for the treatment of the inflamed pulp - indirect pulp capping - demonstration.

Analysis of the medicaments used in the different methods.

Clinical practice.

УПРАЖНЕНИЕ № 26 - 4 часа

Biological methods for the treatment of the inflamed pulp -direct pulp capping and vital amputation - demonstration. Analysis of the medicaments used in the different methods. Clinical practice.

УПРАЖНЕНИЕ № 27 - 4 часа

Vital extirpation.

Essence and critical analyses of methods. Anesthetic techniques for extirpation of vital pulp. Indications, contraindications, therapeutic techniques, Complications, Prognosis.

Clinical practice.

УПРАЖНЕНИЕ № 28 - 4 часа

Arsenic devitalization of dental pulp (Mortal extirpation).

Essence and critical analyses of methods. Specifics in application of arsenic medicaments:

Mechanisms, time of exposure, amount.

Indications, contraindications, therapeutic techniques, Complications, Prognosis.

Clinical practice.

УПРАЖНЕНИЕ № 29 - 4 часа

Anatomy and physiology of the periodontium.

Demonstration on photographs of the anatomy of the periodontium in different tooth groups. Clinical practice.

Acute serous periodontitis - discussion of the etiological factors and their importance to the treatment pain. Clinical practice.

УПРАЖНЕНИЕ № 30 - 4 часа

Periodontitis acuta purulenta-

Discussion of treatment plan according to the stage of the Inflammatory process.

Clinical practice.

Verification of the semester.

LECTURE

ЛЕКЦИИ -ТЕЗИСИ

IX семестър, V курс

ЛЕКЦИЯ №31 - 1 час

Necrosis, necrobiosis, gangrene of the pulp.

Definition, etiology, pathogenesis, pathomorphology, clinical presentation, diagnostics, differential diagnosis, treatment plan.

ЛЕКЦИЯ № 32 - 1 час

Chronic apical periodontitis - Periodontitis chronica fibrosa and Periodontitis chronica granulomatosa localisata.

Etiology, pathogenesis, clinical presentation, differential diagnosis, treatment plan, prognosis.

ЛЕКЦИЯ № 33 - 1 час

Periodontitis chronica granulomatosa progressive (diffusa) sine (cum) fistula.

Histopathology, clinical presentation, differential diagnosis, treatment plan, prognosis.

ЛЕКЦИЯ № 34 - 1 час

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.

ЛЕКЦИЯ № 35 - 1 час

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.

ЛЕКЦИЯ № 36 - 1 час

Endodontic microbiology.

Microbial causation of apical periodontitis. Routes of root canal infection. Types of endodontic infections. The endodontic microbiota.

ЛЕКЦИЯ № 37 - 1 час

Combined endo-perio lesions.

Classification, clinical presentation, diagnostics. Treatment plan.

ЛЕКЦИЯ № 38 - 1 час

Endodontic retreatment - Part I.

Definition, aim, advantages and disadvantages, major reasons for retreatment. Steps and phases of the treatment plan.

ЛЕКЦИЯ № 39 - 1 час

Endodontic retreatment - Part II.

Types of endodontic retreatment. Systems and techniques for the removal of root canal obstructions. Complications.

ЛЕКЦИЯ № 40 - 1 час

Elective endodontic surgery.

Indications and contraindications. Contemporary methods for endodontic surgery.

ЛЕКЦИЯ № 41 - 1 час

Elective endodontic surgery.

Apical curettage, apectomy, root amputation, hemisection, bicuspidation, trans-root implants. Surgical step and procedures. Postoperative treatment, possible complications, prognosis.

ЛЕКЦИЯ № 42 - 1 час

Emergency endodontic treatment.

Indications. Treatment plan. Nosological entities.

ЛЕКЦИЯ № 43 - 1 час

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.

ЛЕКЦИЯ № 44 - 1 час

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.

ЛЕКЦИЯ № 45 - 1 час

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.

PRACTICES

УПРАЖНЕНИЯ - ТЕЗИСИ

IX семестър, V курс

УПРАЖНЕНИЕ № 31 - 6 часа

Necrobiosis, necrosis, gangrene of the pulp - clinical presentation and diagnostics.

Differential diagnostics.

Treatment plan.

УПРАЖНЕНИЕ № 32 - 6 часа

Chronic apical periodontitis - Periodontitis chronica fibrosa and Periodontitis chronica granulomatosa localisata. Etiology, pathogenesis, clinical presentation, differential diagnosis, treatment plan, prognosis.

УПРАЖНЕНИЕ № 33 - 6 часа

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.

УПРАЖНЕНИЕ № 34 - 6 часа

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.

УПРАЖНЕНИЕ № 35 - 6 часа

Endodontic microbiology - the endodontic triad. Microbial causation of apical periodontitis. Routes of root canal infection. Types of endodontic infections. The endodontic microbiota.

УПРАЖНЕНИЕ № 36 - 6 часа

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.

УПРАЖНЕНИЕ № 37 - 6 часа

Endodontic retreatment - systems and techniques for the removal of root canal obstructions.

Materials, methods, and medicaments for the treatment of possible complications. Clinical practice.

УПРАЖНЕНИЕ № 38 - 6 часа

Endodontic retreatment - reasons for initiating a retreatment. Basic principles of retreatment.

Contemporary methods for endodontic surgery. Clinical practice.

УПРАЖНЕНИЕ № 39 - 6 часа

Elective endodontic surgery - indications and contraindications. Contemporary methods for endodontic surgery (lasers, ultrasound). Materials, instruments and techniques for the retrograde root canal obturation. Clinical practice.

Colloquium: Chronic periodontitis - clinics and treatment. Endodontic microbiology, endo-perio lesions, endodontic retreatment.

УПРАЖНЕНИЕ № 40 - 6 часа

Elective endodontic surgical manipulations - apical curettage, apexectomy, root amputation, hemisection, bicuspidation, trans-root implants. Surgical steps and procedures. Postoperative treatment, possible complications, prognosis.

УПРАЖНЕНИЕ № 41 - 6 часа

Difficult differential diagnosis in endodontics with the involvement of neighboring regions.

Differential diagnosis - sinusitis, rhinitis, neuritis, neuralgia, aerodontalgia, atypical facial pain, traumatic occlusion.

УПРАЖНЕНИЕ № 42 - 6 часа

Emergency endodontic treatment.

Indications. Treatment plan. Antibiotics and anti-inflammatory medicaments - indications. Nosological entities.

УПРАЖНЕНИЕ №43 - 6 часа

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.

УПРАЖНЕНИЕ № 44 - 6 часа

Treatment errors in pulpitis and periodontitis. Foramen mentale, sinuses, follicular cysts. Sinusitis, rhinitis, neuralgia, denticles.

УПРАЖНЕНИЕ № 45 - 6 часа

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.

LECTURE

ЛЕКЦИИ -ТЕЗИСИ

X семестър, V курс

ЛЕКЦИЯ № 46 - 1 час

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.

ЛЕКЦИЯ № 47 - 1 час

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.

ЛЕКЦИЯ № 48 - 1 час

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.

ЛЕКЦИЯ № 49 - 1 час

Vertical fractures of the crown and the root - incidence, categories, craze lines, fractured cups, cracked tooth, split tooth, vertical root fracture.

ЛЕКЦИЯ № 50 - 1 час

Non-caries lesions of the hard-dental tissues.

Chemical, thermal, mechanical - diagnostics, DD, clinical presentation, treatment plan.

ЛЕКЦИЯ № 51 - 1 час

Non-caries lesions of the hard-dental tissues.

Abrasion, attrition, erosion, wedge-shaped defects, abfractions. Epidemiology. Clinical presentation. Diagnostics. Differential diagnostics. Treatment plan.

ЛЕКЦИЯ № 52 - 1 час

Dentin hypersensitivity.

Definition, etiology. Development phases. Mechanisms. Diagnostics. Treatment plan. Desensitizing agents. Prevention.

ЛЕКЦИЯ № 53 - 1 час

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.

ЛЕКЦИЯ № 54 - 1 час

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.

ЛЕКЦИЯ № 55 - 1 час

The healing process after pulpitis treatment.

The apical wound after vital and non-vital extirpation. Critical analysis, prognosis.

ЛЕКЦИЯ № 56-1 час

The healing process after periodontitis treatment.

Criteria for the assessment of the results - clinical, EPT, x-ray.

ЛЕКЦИЯ № 57 - 1 час

Root resorption.

Classification, clinical symptoms, histopathology, treatment plan, prognosis.

ЛЕКЦИЯ № 58 - 1 час

Bleaching of vital teeth.

Reasons for the colour changes. Methods - definition, techniques, complications.

ЛЕКЦИЯ № 59 - 1 час**Bleaching of non-vital teeth.**

Reasons for the colour changes, techniques, contraindications, and complications.

Assessment criteria and control of the results.

ЛЕКЦИЯ № 60 - 1 час**Geriatric endodontics.**

Biologic considerations. Pulp response. Periradicular response. Healing. Medically compromised patients. Diagnosis. DD, treatment planning.

PRACTICES**УПРАЖНЕНИЯ -ТЕЗИСИ**

X семестър, V курс

УПРАЖНЕНИЕ № 46 - 6 часа

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.

УПРАЖНЕНИЕ № 47 - 6 часа**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.

УПРАЖНЕНИЕ № 48 - 6 часа

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.

УПРАЖНЕНИЕ № 49 - 6 часа

Vertical Fractures of the crown and the root - incidence, categories, craze lines, fractured cusp, cracked tooth, split tooth, vertical root fracture.

УПРАЖНЕНИЕ № 50 - 6 часа

Non-carious lesions of the hard-dental tissues - chemical, thermal, mechanical - diagnostics, DD, clinical presentation, treatment plan.

УПРАЖНЕНИЕ № 51 - 6 часа

Non-carious lesions of the hard-dental tissues - abrasion, attrition, erosion, wedge-shaped defects, abfraction. Epidemiology. Clinical presentation. Diagnostics. Differential diagnostics. Treatment plan.

УПРАЖНЕНИЕ № 52 – 6 часа

Colloquium:

Non-carious lesions of the hard-dental tissues. Fractures in endodontically treated teeth. Restoration of endodontically treated teeth. Restoration of vital teeth with extensive loss of coronal tissues.

УПРАЖНЕНИЕ № 53 - 6 часа

Dentin hypersensitivity - definition, etiology.

Development phases. Mechanisms. Diagnostics. Treatment plan. Desensitizing agents. Prevention.

УПРАЖНЕНИЕ № 54 - 6 часа

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.

УПРАЖНЕНИЕ № 55 - 6 часа

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.

УПРАЖНЕНИЕ № 56 - 6 часа

The healing process after vital and non-vital pulp therapy. The apical wound after vital and non-vital extirpation - critical analysis, prognosis.

УПРАЖНЕНИЕ № 57 - 6 часа

The healing process after the treatment pulp gangrene, acute and chronic periodontitis. Criteria for the assessment results - clinical. EPT, x-ray.

УПРАЖНЕНИЕ № 58 - 6 часа

Colloquium:

Dentin hypersensitivity.

The healing process after vital pulp therapy, the treatment of pulpitis, acute and chronic periodontitis vital pulp therapy.

УПРАЖНЕНИЕ № 59 - 6 часа

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.

УПРАЖНЕНИЕ № 60 - 6 часа

Geriatric endodontics.

Biologic considerations. Pulp response. Periradicular response. Healing. Medically

compromised patients. Diagnosis, DD, treatment planning.