

CONSERVATIVE DENTISTRY WITH ENDODONTICS

IV DDS

Seminars

- Seminar I. Morphology and function of dentin-pulp complex and periapical tissues.
Changes in dentin-pulp complex associated with age.
- Seminar II. The etiology, pathology and prevention of pulp and apical periodontium diseases.
- Seminar III. Symptomatology and clinical diagnosis of endodontics diseases.
Classifications of pulp diseases.
- Seminar IV. Symptomatology and clinical diagnosis of periapical diseases of dental tissues. Classification of periapical diseases. Differential diagnosis.
Diagnosis of facial pain of dental and non-dental origin.
- Seminar V. X-ray diagnostics in endodontics.
- Seminar VI. Devices for enlarging the treatment field in endodontic treatment.
- Seminar VII. Endodontic instrumentation. Pain management in endodontics.
- Seminar VIII. Endodontic treatment -biological pulp treatment, odontotropic preparations.
- Seminar IX. Endodontic treatment - treatment involving the removal of the pulp.
- Seminar X. Methods for determining tooth working length. Mechanical preparation of root canals.
- Seminar XI. Chemical preparation of root canals. Materials and methods for disinfecting root canals. The smear layer and its role in endodontics treatment.
- Seminar XII. Root canal filling - materials for the final filling of root canal systems.
- Seminar XIII. Root canal filling - methods of filling canal systems.
- Seminar XIV. Complications in endodontic treatment.
- Seminar XV. Endodontic retreatment.

Midterms

Test 1: seminars I - IV

Test 2: seminars V - VIII

Test 3: seminars IX - XI

Test 4: seminars XII - XV

Lectures

- Lecture 1: Radiographic assessment of the root structure. Apical morphology. Isolation of the treatment area and creation of appropriate access to the root canal. Chemomechanical root canal preparation, part 1. Mechanical preparation: step-back, hybrid technique. Endodontic instrumentation. Working length and methods of its measurement.
- Lecture 2: Chemomechanical Root Canal Preparation, Part 2. Chemical Root Canal Preparation. Antiseptics in Root Canal Treatment. Root Canal Filling and Tooth Restoration After Root Canal Treatment: Lateral Condensation, Continuous Wave Technique.
- Lecture 3. Surgical and non-surgical methods of treating periapical tissues.

Literature

Obligatory

1. Tronstadt L., Clinical endodontics: a textbook, 3rd edition, Georg Thieme Verlag, 2009,
2. Torabinejad M., Walton R.E., Endodontics, principles and practice, 5th edition, Saunders Elsevier 2009,
3. Cohen S., Hargreaves K.M., Pathways of the Pulp, 11th edition, Mosby Elsevier 2016,
4. Ingle J.I., Bakland L.K., Baumgartner J.C., Ingle's Endodontics, 6th edition, BC Decker 2008.

Recommended

5. Chong, Bun S.: Harty's Endodontics in Clinical Practice, Sixth Edition, 2010, Churchill Livingstone Elsevier.