

REQUIREMENT SYSTEM

SEMMELEWEIS UNIVERSITY

FACULTY OF DENTISTRY Department of Conservative Dentistry

Name of subject: CONSERVATIVE DENTISTRY AND ENDODONTICS I-V

Type of subject: compulsory/obligatory elective/elective (proper one should be underlined)

code: FOKOKFK052_1A, FOKOKFK052_2A, FOKOKFK052_3A, FOKOKFK052_4A, FOKOKFK052_5A

credit value: Cons. Dent. I, IV., V.: 3-3 each, Cons. Dent. II. and III. 4-4 each

Lecturer of subject: Dr. Tóth Zsuzsanna associate professor

Year: 2019/2020

The role of this subject in realizing the objectives of this gradual course:

Practice of thorough patient examination, taking medical and dental history, stomatooncologic screening. Preparing a treatment plan for complete rehabilitation of the oral cavity. Rehabilitation of oral hygiene and scaling. Restoring carious teeth with fillings and if needed root canal treatment. Simple and complex cavity preparation for fillings and inlays/onlays. Using different isolation techniques.

Root canal treatment of single or multiple rooted teeth, their definitive restoration with onlay or solo crown.

Revision of root canal fillings.

Detailed weekly curriculum:

This subject includes one theory a week (in Cons. Dent. I.-III.), three hours of practice a week in Cons. Dent. I., II., V., and four hours of practice a week in Cons. Dent. III., IV. At the clinical practice students administer conservative dental treatment to patients and assist each other under supervision of a practice teacher.

Detailed curriculum of lectures

Conservative dentistry and endodontics I.:

- 1.Steps of patient treatment
- 2.Guidelines to case reports
- 3.Basics of dental photography
- 4.Four-handed dental treatment
- 5.Diagnostics of caries lesions
- 6.Dental anesthesia, complications
- 7.Isolation in conservative dentistry and endodontic treatments
- 8.Composites
- 9.Adhesive technique, adhesives
- 10.Spring break
- 11.Class I and II composite fillings. Matrix systems.
- 12.Class III and IV composite fillings
13. Restoration of cervical lesions
- 14.Glassionomer cements, compomer materials
- 15.Infection control, patients requiring special care

Conservative dentistry and endodontics II.:

- 1.Preventive endodontics: significance of pulp protection. Diagnostics in endodontics
- 2.Endodontic microbiology
- 3.Endodontics: Access preparation and length determination
- 4.Endodontics: cleaning and shaping of root canals
- 5.Shaping of the Root Canal System: hand and rotary instrumentation techniques
- 6.Obturation techniques (cold and warm gutta-percha techniques)
- 7.Evaluation of Endontic Outcomes. Revision
- 8.Radiology in Conservative Dentistry

9. Endodontic management of traumatic dental injuries
10. Definitive restorations of root canal treated teeth, post and core build-up, single crowns
11. Surgical treatments related to Endodontics. Methods and indications.
12. Endodontic emergencies.
13. Planning complex dental treatment
14. Interactive treatment planning

Conservative dentistry and endodontics III.:

1. Evidence based dentistry
2. Microscope in endodontic treatments
3. Special cavity preparations
4. Post restorations
5. Preparing esthetic inlays and their cementation
6. Chairside CAD/CAM
7. Esthetics in dentistry and bleaching of teeth
8. Thesis defense
9. Indications and prepartions for veneers
10. Spring break
11. Treatment of non-carious cervical lesions: surgical and restorative approach
12. Difficulties during root canal treatment and their management
13. Endodontic and periodontal interrelationships
13. Surgical interventions in conservative dentistry (resection, crownlengthening)
14. Interactive endodontics: diagnosis, treatment planning. Removing separated instruments from the root canal

Students perform conservative dental treatment at practice, which is determined by the actual problem of the patient. We try to provide simple cases and treatments to students in the third year.

Conservative Dentistry IV-V

Practice of thorough patient examination, taking medical and dental history, stomatooncologic screening. Preparing a treatment plan for complete rehabilitation of the oral cavity. Rehabilitation of oral hygiene and scaling. Restoring carious teeth with fillings and if needed root canal treatment. Simple and complex cavity preparation for fillings and inlays/onlays. Using different isolation techniques. Root canal treatment of single or multiple rooted teeth, their definitive restoration with onlay or solo crown. Revision of root canal fillings. **Conservative Dentistry IV. Endodontics.**

Requirements of participation and possibilities of absence remedy:

Participation at lecture and knowledge of the topics covered by the lectures are inevitable to perform treatment at practice and to pass the exam. Participation at practice is obligatory.

More than 25% absence is not accepted under any circumstance neither from practice.

We cannot ensure a date to remedy absence.

The number, topic and time of examinations during the semester (oral and written) and their retake:

Work done at practice is controlled and valued by practice teacher. Students during the semester write at least five „small tests” to give proof of their theoretical knowledge. There is no retake for missed tests.

Requirements needed for signature at the end of the semester (including number and type of work done by student):

More than 25% absence from practice is not accepted under any circumstance.

Requirements for getting a signature at the end of the semester is being constantly prepared theoretically and performing evenly in practice. To be eligible for the signature students must submit a case report to their teacher done during the semester by the 13. week in Cons. Dent. II-IV. and by the 11. week in Cons. Dent. V.

The grades given for theory and practice must separately reach an average of 2.0.

Type of examination: Semifinal (9. semester) Final exam (10. semester). Topic of the exams is theoretical and practical conservative dentistry.

Semifinal: Students choose one topic that contains two. They receive an intraoral X-ray from which they must recognize the teeth, must set up diagnosis and suggest a therapy. Presenting one documented endodontic case done at clinical practice. Topic lists are found on our homepage.

Final examination: Students choose one-one question from the three topic groups (dental materials, conservative dentistry, endodontics). Presenting three documented clinical cases done at clinical practice during the whole time of the gradual course. Topic lists are found on our homepage.

Receiving an unsatisfactory (1) on any part of the examination means failure.

Sign-up for examination: in the Neptun-system.

Modifying sign-up for examination: in the Neptun-system according to actual university and faculty guidelines.

Verifying absence from examination: Being absent from examination the Examination and Studies Regulations apply.

Recommended textbooks, notes, references:

Sturdevant's Art And Science Of Operative Dentistry. Fifth edition Edited by T. Roberson, H. Heymann and E. Swift. Mosby, St Louis, 2006

ISBN 978-0-323-03009-0

Walton RE, Torabinejad M ed.: Principles and Practice of Endodontics.

W.B. Saunders Co. Philadelphia 2002

A.Newbrun: Cariology Quintessence. ISBN 0867152052

Hargreaves KM, Berman LH: Cohen's Pathways of the Pulp. 11th ed. St. Louis, Missouri, Mosby/Elsevier 2015