

## 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-II.: 4-4 each, cons. dent. IV and V. 3-3 each

**Lecturer of subject:** Dr. Tóth Zsuzsanna associate professor

**Year:** 2018/2019.

**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 root teeth, their definitive restoration with onlay or solo crown. Revision of root canal fillings.

**Detailed weekly curriculum:**

This subject includes one theory a week and three hours of practice a week in the first three semesters, then in fifth year three hours of practice a week. At 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. Guidelines to case reports
2. Dental photography
3. Four-handed dental treatment
4. Caries diagnostic methods
5. Dental anaesthesia
6. Isolation in conservative dentistry and endodontic treatments
7. Dental materials: composites
8. Adhesive systems
9. Class I and II restorations and matrix systems
- 10. Demonstration (Midterm)**
11. Therapy of caries: Class III and IV restorations
12. Lesions in the cervical area of the tooth
13. Glassionomer cements, compomer materials
14. Infection control, patients requiring special care

**Conservative dentistry and endodontics II.:**

1. Preventive endodontics: significance of pulp protection
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 Endodontic Outcomes
8. Endodontic emergencies.
9. Endodontic management of traumatic dental injuries
- 10. Demonstration (Midterm)**

11. Definitive restorations of root canal treated teeth, post and core build-up, single crowns
12. Surgical treatments related to Endodontics. Methods and indications.
13. Radiology in Conservative Dentistry
14. Planning of complex treatments

**Conservative dentistry and endodontics III.:**

1. Evidence based dentistry
2. Microscope in endodontic treatments
3. Special cavity preparations
4. Core build-up
5. Esthetic inlays
6. Dental CAD/CAM
7. Bleaching of teeth
8. Thesis defence
9. Esthetic veneers

**10. Demonstration (midterm)**

11. Surgical treatment of multiplex cervical lesions
12. Difficulties during root canal treatments and their solutions
13. Endodontic and Periodontal interrelationships
14. Surgical procedures in restorative dentistry

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 and endodontics 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 root teeth, their definitive restoration with onlay or solo crown. Revision of root canal fillings.

**Requirements of participation and possibilities of absence remedy:**

Participation at lecture and practice is compulsory.

More than 25% absence is not accepted under any circumstance neither from practice, nor from lecture.

We cannot ensure a date to remedy absence.

**Verifying absence from clinical practice or examination:**

More than 25% absence is not accepted under any circumstance, therefore verifying your absence is unnecessary.

Being absent from examination the Examination and Studies Regulations apply.

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

There are one midterm exams during the semester. It is a condition of a signature at the end of the semester to pass midterm exam by minimum satisfactory (2) average. The time and topic of the midterm exams and their retake are made known to students at the beginning of the semester. 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.

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

More than 25% absence is not accepted under any circumstance neither from practice, nor from lecture.

Fulfilling conditions for the midterm exams, minimum satisfactory (2) grade given by the practice teacher.

**Method of granting grade:**

**Final examination (V. semester):** Students choose one question from the three topic groups (dental materials, conservative dentistry, endodontics). They receive an intraoral X-ray from which they must recognize the teeth, must set up diagnosis and suggest a therapy. 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.

**Practice grade** consists of midterms, „small tests”, and evaluation of work and knowledge presented at clinical practice.

**Type of examination:** Final examination, theoretical and practical conservative dentistry.

**Requirements of examination:** Oral examination with three questions from the three topic groups (found on our homepage), an intraoral X-ray from which they must recognize the teeth, must set up diagnosis and suggest a therapy. Presenting three documented clinical cases done at clinical practice during the whole time of the gradual course.

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