

KÖVETELMÉNYRENDSZER

SEMMEIWEIS UNIVERSITY

FACULTY OF DENTISTRY Department of Conservative Dentistry

Name of subject: CONSERVATIVE DENTISTRY AND ENDODONTICS, PRE-CLINICAL I-II

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

code: FOKKFK183_1A, FOKKFK183_2A

credit value: Cons Prop I.: 4, Cons Prop. II.: 4

Lecturer of subject: Dr. Tóth Zsuzsanna associate professor

Year: 2019/2020

The role of this subject:

This subject serves as the foundation of clinical teaching of conservative dentistry. The goal is to acquire a level of theoretical and practical knowledge that can be used to treat live patients.

During practice the students learn:

- the types of instruments used and how to use them
- the main characteristics of dental materials used for restoring teeth and their use
- the basic rules of cavity preparation and their preparation
- the theoretical, practical steps of preparing inlays, onlays and the steps of preparing them in the dental laboratory
- the theoretical basics of endodontics
- the trepanation of the pulp chamber, the mechanical preparation of the root canal and the root canal obturation on extracted human teeth

Detailed weekly curriculum:

This subject includes one theory a week and three hours of practice a week. During practice the task is to prepare cavities for direct and indirect restorations, amalgam fillings and composite fillings on plastic teeth in phantom heads. Students practice trepanation, root canal preparation and root canal obturation on extracted human teeth.

CONSERVATIVE DENTISTRY AND ENDODONTICS, PRE-CLINICAL I.

Lectures

- 1. Goal of conservative dentistry, requirements. Propedeutics and its goals**
- 2. Anatomy of the teeth and the pulp**
- 3. Dental caries**
- 4. Therapy of dental caries: remineralisation, direct and indirect restorations. Cavity preparation. Black-rules. Types of cavities.**
- 5. Instruments for preparing dental hard tissue and carious tissues and for finishing and polishing restorations**
- 6. Isolation (relative and absolute)**
- 7. Matrix systems and wedges**
- 8. Amalgam, composition, indication. Preparation for amalgam restorations. Making amalgam filling, finishing, polishing**
- 9. Removing old amalgam fillings. Preparing modified conventional cavities. Treatment of discolored dental hard tissue. Rules for cavity preparation for esthetic restorations**
- 10. Spring break**

11. Treatment of root caries
12. Direct esthetic restorations (adhesive technique)
13. Preparing composite restoration in the posterior region
14. Preparing composite restoration in the anterior region
15. Temporary filling and their material

CONSERVATIVE DENTISTRY AND ENDODONTICS, PRECLINICAL II.

Lectures

1. Preparing for indirect restoration. Direct and indirect methods. Materials of indirect restorations
2. Tooth preparation for cast metal restorations and cementation
3. Tooth-coloured indirect restorations. (Ceramic, composite). Temporary filling. Cementation
4. Indication, contraindication, limitations of root canal treatment. Urgent cases in dentistry.
5. Trepanation, extraction. Instruments used in endodontics
6. Working length determination (preoperative x-ray, needle-control, anatomical and physiological foramen). Use of electronic apex locators. Step-back technique
7. Irrigant solutions and medication used in
8. Sealing of root canals. Lateral condensation. The problems of control x-ray.
9. Pathosis as consequence of caries. Pulpal disease.
10. Periapical pathosis.
11. Functional and esthetic restoration of root canal treated teeth.
12. Patient assessment and treatment plan.
13. Equipments in a dental office. Infection control
14. Consultation. Preparing for the exam

Requirements of participation and possibilities of absence remedy:

The presence at lectures and knowing the material covered by the lectures is necessary for a successful practice and a successful exam. Participation at practice is compulsory.

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

We cannot ensure a date to remedy any absence.

Number , topic, date of mid-semester tests, options for retake:

There will be a number of tests during the 2. semester of II. year and the first semester of III. year. The tests will include the material covered by the lectures. Requirements for getting a signature at the end of the semester is being constantly prepared theoretically and performing evenly in practice. The grades given for theory and practice must separately reach an average of 2.0. In the first semester of III. year: the condition of fulfilling the requirements for a successful semester is to pass the practice exam at the end of the semester. There are two chances to retake major tests and no chance for retake of the small tests.

The work done at practice is controlled and graded by the practice teacher.

Calculation of grades:

Practical grades: grades given at each practice by the practice teacher for theoretical knowledge and daily performance and the grades given for the small and big tests.

Final exam: Verbal exam by pulling a topic question (1 topic question has two parts, found on the homepage) and determining a human extracted tooth.

Type of exam: Final exam; requirements are the theoretical topics and practice topics of the two semesters

Final exam requirements:

Verbal exam by pulling a topic question (1 topic question has two parts, found on the homepage) and determining a human extracted tooth.

Registration for exam: in the Neptun system

Protocol for modifying exam registration:

According to updated requirements of the university and faculty in the Neptun system

Verifying absence from examination:

Being absent from examination the Examination and Studies Regulations apply.

LIST OF TEXTBOOKS

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

Principles and Practice of Endodontics. *Walton RE, Torabinejad M.W.B.* Saunders Co. Philadelphia 2002

A. Newbrun: Cariology Quintessence. ISBN 0867152052