

OPERATIVE DENTISTRY I.**LECTURE**2013/2014, 1st semester, 4th year, Dental students

Fall semester: 2 September – 7 December 2013

Place: Faculty of Dentistry, B Building, Green RoomTime: Tuesday 9.00-10.00 (1 hour/week)Exam: Evaluation (5)Credit: 2

Date	Lecture	Lecturer
03. 09. 2013.	1. Etiology of caries, the role of dental plaque	Dr. András Forster assistant professor
10. 09. 2013.	2. Epidemiology, risk factors, indices. The role of prevention. Digestion, fluoride.	Dr. Emese Battancs assistant lecturer
17. 09. 2013.	3. Etiology of caries, the role of diet, age, gender and habit	Dr. Helga Füzési dentist
24. 09. 2013.	4. Response of the pulp to the progress of caries	Dr. Emese Battancs
01. 10. 2013.	5. Treatment planning	Prof. Dr. István Gorzó professor
08. 10. 2013.	6. The methods of shade selection	Dr. András Forster
15. 10. 2013.	7. The steps of making a posterior composite filling. (Centripetal technique, Z-technique, elastic cavity wall theory, bulk fill systems)	Dr. Eszter Nagy resident
22. 10. 2013.	8. Occlusion and articulation in operative dentistry	Dr. András Forster
29. 10. 2013.	9. The making of III. IV. Class fillings and incisal fillings.	Dr. Eszter Nagy
05. 11. 2013.	10. Filling, veneer, inlay, partial crown, full crown. Indications and possibilities.	Dr. Zsolt Zalai assistant lecturer
12. 11. 2013.	11. Inlay	Dr. Márk Antal assistant professor
19. 11. 2013.	12. WRITTEN DEMONSTRATION	Dr. Emese Battancs
26. 11. 2013.	13. The cementation of indirect adhesive restorations	Dr. András Forster
03. 12. 2013.	14. Consultation	Dr. András Forster

Recommended literature:

1. Summitt J. B. et al. Fundamentals of Operative Dentistry, Quintessence Publishing Inc., 2006
2. Beer R. et al. Pocket Atlas of Endodontics. Thieme 2006

Conditions of accepting the semester:

- 1.) Active participation on lectures and practices, based on the study and exam regulations of the University. If a student misses more than 25% of the lectures the semester can't be accepted.
- 2.) Late, absence: If a student comes more than 15 minutes late, it is regarded as an absence. If the number of absences is more than 25 percent of the number of the practices in the semester, the subject cannot be accepted. If a student is late three times, it is equal with one missing.

- 3.) If a student misses between 15-25% of the practices a make up for the missed ones is obligatory. The appointment for the make up must be arranged with the practice leader and the head of the department within 8 days after the missing.
- 4.) All the tasks in the practice must be completed, else the semester can't be accepted.
- 5.) There'll be one midterm written exam, in the 12th week. It must be passed (grade 2) and the average (including the failed one) must be at least 2.0 else the semester can't be accepted. It may be corrected only once. If a student is missing from a written exam the participation on the retake is obligatory. If a student is missing from the retake the semester can't be evaluated.
- 6.) Knowledge of selected references related to each topic, else the semester can't be accepted.
- 7.) The calculation of the grades at the end of the semester: practical grade: according to the point system; theory grade: average of the midterm exams.

OPERATIVE DENTISTRY I.

PRACTICE

2013/2014, 1st semester, 4th year, Dental students

Fall semester: 2 September – 7 December 2013

Place: Faculty of Dentistry

Time: 6 hours/week

Dent 1	Thursday	14.00-19.00	Department of Operative Dentistry
Dent 2	Wednesday	12.30-17.30	Dental Surgery with 9 units

Exam: Term Mark

Credit: 2

Teachers: Dent 1 Dr. Zsolt Zalai assistant lecturer
Dr. Emese Battancs assistant lecturer
Dent 2 Dr. Balázs Szabó assistant lecturer
Dr. Márk Fráter Ph.D student

Recommended literature:

1. Summitt J. B. et al. Fundamentals of Operative Dentistry, Quintessence Publishing Inc., 2006
2. Beer R. et al. Pocket Atlas of Endodontics. Thieme 2006

Conditions of accepting the semester:

- 1.) Active participation on lectures and practices, based on the study and exam regulations of the University. If a student misses more than 25% of the lectures the semester can't be accepted.
- 2.) Late, absence: If a student comes more than 15 minutes late, it is regarded as an absence. If the number of absences is more than 25 percent of the number of the practices in the semester, the subject cannot be accepted. If a student is late three times, it is equal with one missing.
- 3.) If a student misses between 15-25% of the practices a make up for the missed ones is obligatory. The appointment for the make up must be arranged with the practice leader and the head of the department within 8 days after the missing.
- 4.) All the tasks in the practice must be completed, else the semester can't be accepted.
- 5.) There'll be one midterm written exam, in the 12th week. It must be passed (grade 2) and the average (including the failed one) must be at least 2.0 else the semester can't be accepted. It may be corrected only once. If a student is missing from a written exam the participation on the retake is obligatory. If a student is missing from the retake the semester can't be evaluated.
- 6.) Knowledge of selected references related to each topic, else the semester can't be accepted.
- 7.) The calculation of the grades at the end of the semester: practical grade: according to the point system; theory grade: average of the midterm exams.

Requirements and evaluation of operative dentistry practice

Patient management:

On the first practice the 4th year student has to get familiar with the office equipment. On the second practice two patients will be called, the student has to take their status and history, after that one of them will be treated on the same appointment. The data and the status of the other patient will be recorded in a notebook and the patient will be informed that he/she will be called for another appointment.

On the first practice the 5th year student will treat his/her patient from the previous year or summer practice. If there's no such a patient the student will get someone from the notebook to treat. If there's a patient a student wants to treat, he/she has to inform the assistants of the department at least two weeks before that practice.

The students can get extra patients from the notebook or from previously agreed patient examination at the admission office. Giving appointment, administration and any changing is the students' responsibility.

Points:

Status 1 point (>3 mistakes, 0 point)

Rubber dam isolation 1 point (if the practice leader places it or the filling is not acceptable, 0 point)

I.cl.: 4 points

II.cl.: 6 points

III.cl.: 4 points

IV.cl.: 6 points

V.cl.: 4 points

VI.cl.: 4 points

Conventional inlay: 8 points

Adhesive inlay: 12 points

Ceramic veneer: 10 points

The half of the points can be given in case of non-finished fillings due to patients' missing co-operation.

Trepanation and access cavity: 2 points (4 points in molars)

Root canal preparation : 2 points (3 points in molars)

Root canal obturation: 2 points (3 points in molars)

Core build up: 2 points

Post and core: 2 points

Endodontic build up: 2 points (4 points in molars)

The following treatment types has limitation during the semester:

max. 5 1st class filling

max. 5 5th class filling

max. 8 treated/obtured root canal counts in the point calculation, all the treatments above these number are accepted but they don't earn any points.

Prerequisites and levels for patient treatment:

4 Black I./II. class fillings □ conventional inlay □ adhesive inlay

4 Black III./IV./V. class filling □ adhesive veneer

2 root canal treatments (1 or 2 root canals) □ 2 root canal treatment (3-4 root canals) □ retreatment

Evaluation:

The treatments highlighted with **bold letters** can be modified by the practice leader (± 3 points) considering these factors:

- the quality of the steps of the filling (cavity, base, filling)
- performing the task without help / theoretical knowledge
- difficulty of the case

The treatments highlighted with underlined letters can be modified by the practice leader (± 1 points) considering these factors:

- mistakes can be corrected during the treatment
- performing the task without help / theoretical knowledge
- difficulty of the case

Rubber dam isolation is obligatory during all the treatments, but in case of extra permission from the practice leader.

Unacceptable quality of work should be corrected on the next practice. Only graded minimal points can be given for the corrected restoration depending on its quality. If there's no possibility of correction (due to extraction etc.) no points can be given.

Points for the final grades of the semester:

4th year 1st semester:

- 2: 30 points
- 3: 40 points
- 4: 50 points
- 5: 60 points

4th year 2nd semester:

- 2: 40 points
- 3: 50 points
- 4: 60 points
- 5: 70 points

5th year:

- 2: 50 points
- 3: 60 points
- 4: 70 points
- 5: 80 points

Only the points gained during the semester are considered. Points predetermined on the beginning of the semester define practical grades.

Not fulfilling the following conditions results in automatic failure of the semester:

By the end of the 4th year at least one from all Black cavity types should be performed, but VI.cl.

By the end of the 5th year it's recommended to perform at least one of all the items from the previously mentioned list. *Exceptions can be: core build up, fiber reinforced post, VI.cl., veneers. The lack of these treatments can be neglected if the student's points are around the minimal point line (but achieved it).* Only the main practice leader can give permission for this, after consulting the practice leaders.

Theoretical grades:

The theoretical knowledge can be evaluated by the graded points during practice. +1 point can be achieved for small written tests or oral exams on the beginning of the practice. 0 point for partial knowledge of the topic, while in total lack of information -1 point can be given.