

Course size (nominal values; actual values may depend on programme)
Credits 6.0 Study time 180 h Contact hrs 46.5 h

Course offerings and teaching methods in academic year 2018-2019

Year	Language	Teaching Method	Hours
A (year)	Dutch	practicum	15.0 h
		guided self-study	10.0 h
		clinic	10.0 h
		microteaching	12.5 h
B (year)	English	guided self-study	10.0 h
		practicum	15.0 h
		microteaching	12.5 h
		clinic	10.0 h

Lecturers in academic year 2018-2019

De Bruyne, Mieke	GE11	lecturer-in-charge
De Moor, Roeland	GE11	co-lecturer
Marks, Luc	GE11	co-lecturer
Meire, Maarten	GE11	co-lecturer

Offered in the following programmes in 2018-2019

Programme	crdts	offering
Master of Science in Advanced Dentistry (main subject Endodontics)	6	B

Teaching languages

Dutch, English

Keywords

Surgical endodontic treatment, apical and periradicular surgery, resorption, sedation, success, survival and outcome following non-surgical root canal treatment, retreatment

Position of the course

During former courses all aspects of conventional root canal treatment, causes, pathogenesis and microbial aspects of endodontic pathology have been considered. This course concerns endodontic retreatment and surgical endodontic treatment.

Contents

Theory

- the scientific basis of retreatment
- resorption
- endodontic surgery (techniques, suturing, soft and hard tissue management, post-surgical care, success, survival and outcome)
- replants and transplants
- sedation
- success, survival and outcome of non-surgical endodontic treatments

Preclinical exercises

1. root canal retreatment and magnification
2. endodontic surgical techniques
3. suturing

4. sedation

Clinics

1. Endodontic retreatment including the removal of broken instruments, posts, silver points, ...)
2. Surgical endodontic treatments
3. Removal of lost teeth because of failed endodontic treatments including complicated extractions

Initial competences

Master of Science in Dentistry

Final competences

- 1 Having knowledge of and insight in surgical endodontic treatment and non-surgical retreatment
- 2 Performing surgical endodontic treatments and root canal retreatments
- 3 Being competent at evaluating different treatment options (retreatment, tooth removal, surgical treatment) to obtain the best result for the patient
- 4 Being competent at treating dento-alveolar traumata
- 5 Being competent at evaluating the prognosis of endodontic (re)treatment
- 6 Evaluating the success, survival and outcome of primary and secondary root canal treatment

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, clinic, microteaching, practicum

Learning materials and price

Theory:

Publications from the scientific literature.

Chapters from textbooks:

- Gutmann JL, Harrison JW. *Surgical Endodontics 1991 - Blackwell Scientific Publications, Boston* 1994 published by Ishiyaku EuroAmerica, St. Louis / Tokyo
 - Kim S. *Color atlas of microsurgery in endodontics 2001- WB Saunders Company*
 - Merino EM. *Endodontic Microsurgery 2009 - Quintessence Publishing*
 - Torabinejad & Rubinstein. *The art and science of contemporary surgical endodontics 2017 - Quintessence Publishing*
 - Gutmann, Lovdahl. *Problem solving in endodontics 5th edition 2010 - Elsevier*
- Preclinics: Syllabus

References

Endodontic scientific literature (Endodontic Topics Today, Endodontic Practice Today, Endodontics and Dental Traumatology, Journal of Dental Traumatology, International Endodontic Journal, Journal of Endodontics, Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontology)

Textbooks:

- Gutmann JL, Harrison JW. *Surgical Endodontics 1991 - Blackwell Scientific Publications, Boston* 1994 published by Ishiyaku EuroAmerica, St. Louis / Tokyo
- Kim S. *Color atlas of microsurgery in endodontics 2001- WB Saunders Company*
- Merino EM. *Endodontic Microsurgery 2009 - Quintessence Publishing*
- Torabinejad & Rubinstein. *The art and science of contemporary surgical endodontics 2017 - Quintessence Publishing*
- Gutmann, Lovdahl. *Problem solving in endodontics 5th edition 2010 - Elsevier*

Course content-related study coaching

teachers, on appointment

Evaluation methods

end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Written examination, assignment

Examination methods in case of periodic evaluation during the second examination period

Written examination, assignment

Examination methods in case of permanent evaluation

Participation, skills test, job performance assessment

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

Permanent evaluation

1st examination period:

Preclincs: evaluation of the preclinical exercises

Clinics: evaluation of the clinical work

2nd examination period:

Preclincs: half day skills test

Clinics: performance and evaluation of 10 clinical root canal retreatments

Periodic evaluation

1st examination period:

Written examination (closed book) + paper on an imposed subject

2nd examination period:

Written examination (closed book) + paper on an imposed subject

Calculation of the examination mark

- To pass this course presence during all preclinical exercises is mandatory
- The final result of this course consists of a weighted average: preclincis pass/fail, written examination 60%, paper 20%, clinics 20%.
- To gain a credit for this course a student must reach at least 10/20 for each part and a 'pass' for preclincs
- If there is at least 1 part with a score below 10/20 and the weighted average is 10/20 or more, the end result will be 9/20.