



**Karolinska  
Institutet**

Course syllabus for

## **Oral Surgery, 4.5 credits**

Käkkirurgi, 4.5 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Please note that the course syllabus is available in the following versions:

[Autumn2011](#) , [Autumn2014](#) , [Autumn2015](#) , [Autumn2016](#) , [Autumn2017](#) , [Autumn2018](#) , [Autumn2021](#)

Course code	2TL036
Course name	Oral Surgery
Credits	4.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Odontology
Level	AV - Second cycle
Grading scale	Pass, Fail
Department	Department of Dental Medicine
Decided by	Programnämnd 10
Decision date	2011-07-06
Revised by	Education committee Dentmed
Last revision	2016-03-15
Course syllabus valid from	Autumn 2016

## **Specific entry requirements**

For admission to the course, passed results in the course Clinical dentistry 5 are required.

Students who fail a clinical placement (or equivalent) as a result of demonstrating such a serious lack of knowledge, skills or attitude that patient safety or the patients' confidence in medical care is at risk, will only be qualified for a new clinical placement once the individual action plan has been carried out.

## **Objectives**

The course consists of 3 modules.

Module 1: Oral and maxillofacial surgery 1: 2.5 credits.

After this course, the student should be able to:

- Describe and explain the subject areas that are included in oral surgery.
- Decide and explain when a patient should be referred to a specialist in oral surgery.
- Describe general surgical principles.
- Through medical history taking and clinical study assess patients' previous and current local and

general health conditions and understand the relationship between the oral and the general medical condition.

- Demonstrate knowledge of post-operative pain alleviation in relation to the extent of the intervention and the patient's pain and be familiar with inappropriate choice of drugs from an environmental perspective.
- Make conclusions on the importance of hemostasis and how this can be achieved practically through surgical measures.
- Understand the difference between acute and chronic infection and interpret clinical signs of serious infection.
- Show knowledge of the relationship between the prescription of antibiotics concerning amount and choice of drugs and the development of antibiotic resistance at the individual and societal level.
- Show advanced understanding of the contribution of dental care to antibiotic resistance and its consequences for modern dental care and health care.
- Be able to understand the meaning of, and argue for, the rational use of antibiotics and demonstrate deep knowledge of the drugs that are suitable for dental infections.
- Understand the meaning of "good hygienic standards" and their importance for the transmission of nursing related infections including antibiotic resistant bacteria.
- Know and describe the applied anatomy of the head and the throat area.
- Be able to explain when histopathologic and microbiological sampling is indicated.
- Diagnose tooth and jaw trauma, suggest treatment and make a prognosis.
- Diagnose and account for the treatment of patients with common oral maxofacial surgery (OMFS) disorders and oral medical disorders as well as oral manifestations of systemic diseases.
- Determine when cardiopulmonary resuscitation (CPR) is necessary and be able to execute CPR.

Module 2: Oral and maxillofacial surgery 2: 1.3 credits.

After this course, the student should be able to:

- Be able to make a preoperative medical risk assessment and show advanced knowledge of when antibiotic prophylaxis is motivated and its effect on the patient and the environment.
- Evaluate symptoms, explain and reflect on clinical oral surgical decisions with a therapeutic and holistic attitude towards the patient.
- Explain, plan and justify indications for surgical extraction and simple dentoalveolar surgery.
- Predict local and systemic risks in dentoalveolar surgery.

Module 3: Oral medicine - patients with special needs: 0.7 credits.

After this course, the student should:

- Have knowledge and an understanding of changes in the the oral mucosa during malignancy and other serious diseases.
- Have knowledge and an understanding of the relation between medical and dental factors for patients with special needs and be able to integrate this knowledge in the prognosis of the individual patient case.

## Content

### Oral and maxillofacial surgery 1, 2.5 hp

- Lectures in oral surgery and oral medicine that include wisdom tooth surgery, orthognathic surgery, face trauma, TMJ surgery, cyst of the jaw and benign tumors, hemmorage, treatment of infections and jaw bone necrosis.
- Patient based clinical exercises, demonstrations and seminars on trauma, infections, applied anatomy and wisdom tooth surgery, including preoperative sedation and postoperative analgesia.
- Theme days: \* Acute tooth and face trauma in children and adults where different patient cases

are presented and multiple dental specialists participate. \* Oral pathological ward rounds where specialists from oral radiology, oral pathology and oral surgery participate.

- Cardio-pulmonary resuscitation, training on a dummy.

### **Oral and maxillofacial surgery 2, 1.3 hp**

- Clinical observation duty on OMFS reception including ward rounds, OMFS investigation, treatment planning, outpatient surgery and central surgery.
- Clinical duty at a dentoalveolar surgery clinic.
- Written reflection on the clinical placement.

### **Oral medicine - patients with special needs, 0.7 hp**

- Lectures about the dental treatment of the ill, fragile and care dependent patient.
- Clinical observations when performing dental and oral hygiene care for ill and nursing dependent patients.

## **Teaching methods**

Module 1: Oral and maxillofacial surgery 1: 2.5 credits

- Lectures
- Clinical seminars and demonstrations
- Theme days
- Training on dummy

Compulsory attendance at seminars and demonstrations.

Module 2: Oral and maxillofacial surgery 2: 1.3 credits

- Clinical observation and clinical duty.

Compulsory attendance during clinical observation and clinical duty.

Module 3: Oral medicine - patients with special needs: 0.7 credits

- Theme day
- Clinical observation
- Case presentations

Compulsory attendance during clinical observations and case presentations.

For all modules, the following applies:

The course coordinator decides whether, and if so how, absence from compulsory course elements can be made up. Study results cannot be reported until the student has participated in compulsory course elements or compensated for any absence in accordance with instructions from the course coordinator. Absence from a compulsory course element could mean that the student can not retake the element until the next time the course is offered.

## **Examination**

Module 1: Oral and maxillofacial surgery 1: 2.5 credits

- Oral presentation at seminar.

Module 2: Oral and maxillofacial surgery 2: 1.3 credits

- Written examination.
- Written reflection on the clinical placement.

Module 3: Oral medicine - patients with special needs: 0.7 credits

- Oral examination of patient cases concerning patients with special needs.

For all modules the following applies:

To pass the course, attendance at compulsory parts is also required.

Limited number of examinations or practical training sessions:

If the student does not pass the examination, the student gets 2 more attempts. After that, the student is recommended to retake the course and is given 3 more examination opportunities. If the student has not passed after 6 trials, he/she has no more admission to the course. (HF chapter 6, section 11§a).

The student can participate in clinical placement/clinical training sessions twice. If a student is at risk of not passing, supportive action should be offered in order to avoid an interruption in the student's education (Guidelines during examination 5331/10-300).

Interruption of clinical placement

The examiner may, with immediate effect, interrupt a student's clinical placement (or equivalent) if the student demonstrates such serious deficiencies in knowledge, skills or attitude that patient safety or patient confidence in healthcare is at risk. If a clinical placement is interrupted in this way the student is deemed to have failed that element and to have used up one clinical placement opportunity. In such cases, an individual action plan should be set up stating which activities and tests are required before the student is qualified for a new clinical placement on the course.

## Transitional provisions

If the course is closed-down or undergoes major changes, examination under a previous reading list and learning outcomes are offered, no more than one academic year after the implementation of the revision/close-down.

## Other directives

A course evaluation is carried out according to the guidelines as established by the Board of Education.

## Literature and other teaching aids

### Compulsory literature Module 1 and 2

*Axéll, Tony*

**Munslemhinneförändringar : klinik och behandling**

5., omarb. uppl. : Stockholm : Gothia, 2006 - 120 s.

ISBN:91-7205-264-3 (inb.) LIBRIS-ID:7623043

[Library search](#)

**Contemporary oral and maxillofacial surgery**

*Hupp, James R.; Tucker, Myron R.; Ellis, Edward*

5. ed. : Edinburgh : Mosby, 2008 - xiv, 714 s.

ISBN:978-0-323-04903-0 (hbk.) LIBRIS-ID:10719266

[Library search](#)

## **Recommended literature Module 1 and 2**

*Rosén, Annika*

**Lokalanestesi och smärta**

*Jarnbring, Fredrik*

Studentlitteratur AB, 2008

## **Compulsory literature Module 3**

*Scully, Crispian; Dios, Pedro Diz; Kumar, Navdeep*

**Special care in dentistry : handbook of oral healthcare**

Edinburgh : Churchill Livingstone, 2006 - xi, 504 p.

ISBN:0-443-07151-9 LIBRIS-ID:10216302

[Library search](#)

*Shahnavaz, Shervin*

**Tandvårdpsykologi**

1. uppl. : Lund : Studentlitteratur, 2012 - 245 s.

ISBN:978-91-44-05894-8 LIBRIS-ID:12907616

[Library search](#)