



# Faculté de médecine

## MD

### DENT2260 Orthodontics

[30h] 3 credits

This course is taught in the 2nd semester

**Teacher(s):** Hugo De Clerck, Myriam DELATTE  
**Language:** french  
**Level:** 2nd cycle course

#### Aims

At the end of the course the student should be able to:

- Analyse the cranio facial growth in 3 dimensions: determine the type of growth based on a cephalometric analysis and clinical examination.
- Recognise muscular dysfunction in the oral and facial region, the consequences for the occlusion and the cranio facial growth and how to treat them.
- To know the basic principles of orthopaedic treatment.
- To know the possibilities and the limits of adult orthodontic treatment, orthodontic treatment combined with orthognatic surgery included.
- Prevention and interception in the deciduous dentition of the young patient.
- The causes of relapse in orthodontics and how to prevent it.
- The basic principles of treatment with removable and fixed appliances.

#### Main themes

- Clinical examination, study of the dental casts and radiological examination.
- Diagnosis and treatment of muscular dysfunctions.
- Cranio facial growth, the development of the face, the centres of growth and the growth theories.
- How to modify cranio facial growth: treatment modalities.
- The development of the deciduous dentition and preventive and interceptive treatment.
- The orthodontic treatment: basic principles, the decision of extractions and the results of treatment with and without extractions.
- The treatment of the adult patient and preprosthetic treatment.
- Stability and relapse of orthodontic treatment, the causes, prevention and interception, the different appliances for retention.

#### Content and teaching methods

All the subjects will be presented starting with a theoretical introduction based on the literature. A systematic description of the different pathologies will be presented illustrated by clinical cases.

#### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Knowledge required: dental anatomy, anatomy of head and neck, histology of the periodontal ligament, histology of bone and cartilage.

Evaluation: written examination at the end of the course.

Support: PowerPoint presentation, multi media

Staff: 2 teachers

#### Other credits in programs

DENT22	Deuxième licence en science dentaire	(3 credits)	Mandatory
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