

**ORTD2MC**

2015 - 2016

Advanced Master in Orthodontics

**At Bruxelles Woluwe - 240 credits - 4 years - Day schedule - In french**Dissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **NO** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences dentaires**Organized by: **Faculté de médecine et médecine dentaire (MEDE)**Programme code: **ortd2mc** - Francophone Certification Framework: 7**Table of contents**

Introduction .....	2
Teaching profile .....	3
- Learning outcomes .....	3
- Programme structure .....	3
- Detailed programme .....	3
- Programme by subject .....	3
- The programme's courses and learning outcomes .....	4
Information .....	5
- Admission .....	5
- Evaluation .....	6
- Contacts .....	6

## ORTD2MC - Introduction

### Introduction

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## ORTD2MC - Teaching profile

### Learning outcomes

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The objective of this Advanced 2nd cycle programme is to prepare dentists to gain professional status as specialist dentists in orthodontics. (Ministerial Orders of 28 May 2001 and 11 June 2001 published 5 July 2001).

### Programme structure

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The full-time training lasts four years and comprises a theoretical part (at least 180 hours per year), a pre-clinical part (at least 30 hours per year) and a clinical part (at least 1,290 hours per year). In addition to the internal placement in the training centre under the direction of an approved placement supervisor-coordinator, the clinical training also includes an external independent professional practice placement of at least 500 hours in an approved location and under the direction of an approved placement supervisor. During the placements, candidates devote themselves entirely to practising a specialization, according to a plan approved by the ministerial committee. During training, candidates may not undertake any clinical activity outside their placement work.

Candidates must become involved in research work in an area of the specialization. Before the end of the training, they must present a paper to a scientific meeting as well as a dissertation or an article for publication in a leading international journal.

## ORTD2MC Detailed programme

### Programme by subject

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The theoretical training is made up of the part, common to all the training programmes, which leads to the award of professional status in dentistry. This part comprises training for independent professional practice as well as interactive seminars on the following topics: economic aspects of bucco-dental treatment, the organization and management of a dental surgery, professional regulation and responsibility, dental computer systems, critical analysis of scientific literature, introduction to legal dentistry, introduction to communication, ergonomics, radiodiagnosis including radioprotection, ethological aspects of health care and the relationship between first and second line health care.

During the course, students' knowledge and skills during the basic training in dentistry are deepened and further knowledge and skills are acquired in the following areas :

#### General medicine and biology

- Additional anatomy and maxillo-facial embryology
- development of the viscerocranium and masticatory organs
- importance of genetic and functional factors during cranio-facial growth
- physiology of ventilation, speech, deglutition and mastication
- elements of cellular biology

#### General orthodontics

- diagnosis, etiology and treatment of dento-maxillo-facial dysmorphoses
- cranio-facial malformative syndromes
- use of medical imaging in orthodontics
- different cephalometric analyses:
  - tracing
  - interpretation
  - growth predictions with and without treatment
- development of dentition

#### Specialized orthodontics

- orthodontic terminology
- prevention and early treatment of malocclusions
- physiology of dental movements
- dento-facial orthopaedics

- orthodontic therapy :
  - elements of biomechanics
  - long term effects
  - recurrence
- iatrogenous and limiting effects of orthodontic treatment
- complete diagnosis
- treatment and treatment plan objectives in orthodontics
- orthodontic treatments and TMA

#### Orthodontic techniques

- removable appliances
- functional appliances
- extra-oral appliances
- fixed appliances :
  - sequences of treatment
  - properties of materials
  - principles of biomechanics
  - different fixed orthodontic techniques
  - partial fixed appliances
- brace appliances

#### Multidisciplinary treatments

- ortho-surgical treatments
- treatment of patients with labio-palatine clefts
- orthodontic treatments with parodontal pathology
- preprosthetic orthodontics

#### Special procedures

- special features of orthodontic treatment in adults
- use of implants and mini-screws in orthodontics
- distraction technique

#### Seminars

- discussion of treatment plans
- impact of developments in orthodontic treatment : presentation of clinical cases
- reviews of the literature and discussion of articles
- use of speech therapy in orthodontics
- orthodontics and root resorptions

## The programme's courses and learning outcomes

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For each UCL training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"

The document is available by clicking [this link](#) after being authenticated with UCL account.

## ORTD2MC - Information

### Admission

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*In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail*

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

#### General requirements

Subject to the general requirements laid down by the academic authorities, admission to the specialized Master's degree programme will be granted to students who fulfil the entry requirements for studies leading to the award of a Master's (second-cycle) degree and who hold a second-cycle diploma, degree, certificate or other qualification issued within or outside the French Community of Belgium, or whose prior learning or experience has been accredited by the Examination Board as being equivalent to at least 300 credits.

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#### Specific Admission Requirements

- candidates must have a Belgian 'licence' degree in Dentistry (or a Master's degree in Dentistry) or a degree recognized as being equivalent in Belgium by the relevant authorities and be able to practise in Belgium
- candidates must show evidence of having been selected to study the specialization of orthodontics at a Belgian faculty of medicine

Further information about the legal requirements and the practical details of the selection examination may be obtained from the office.

The Royal Decree of 30 May 2002 on the availability of dentistry studies, published on 18 June 2002, applies to candidates who wish to gain professional status as general dentists. (These candidates therefore fall into the category of generalists or specialists in the restricted intake.)

Applications should be submitted to the academic in charge of the programme: the deadline is 1 July. The organization of the selection examination is in accordance with the timetable and the general examination regulations.

#### Selection committee

The selection panel is composed of at least three members : the president of the programme committee of the two Advanced Masters (orthodontics and periodontics) and at least one other member from the programme committee of the relevant Master programme (orthodontics).

## Evaluation

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The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

There is an assessment of candidates' theoretical and practical knowledge at the end of each year which enables the programme committee to validate the academic year. At the end of the course, assessment is based on a test of candidates' theoretical and practical knowledge, on the report of the placement supervisors, on the presentation of twenty cases which have been treated and fully documents, on the presentation of a case at a public session as well as the defence of an original dissertation or article for publication in a leading international journal.

When the above requirements have been fulfilled, the programme committee will award the academic qualification of Advanced Master in Orthodontics.

This is not a substitute for recognition by the ministerial committee. It is evidence of academic and scientific training in the context of specialized training leading to the award of professional status.

To have their training period validated by the ministerial committee for orthodontics, candidates must submit their training record book, duly completed, at the end of each year of training.

## Contacts

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### Curriculum Management

Entite de la structure MEDE

Sigle	<b>MEDE</b>
Dénomination	Faculté de médecine et médecine dentaire
Adresse	Avenue Mounier 50 bte B1.50.04 1200 Woluwe-Saint-Lambert Tél 02 764 50 20 - Fax 02 764 50 35
Secteur	Secteur des sciences de la santé ( <b>SSS</b> )
Faculté	Faculté de médecine et médecine dentaire ( <b>MEDE</b> )
Mandats	<b>Dominique Vanpee</b> Doyen
Commissions de programme	Commission du master complémentaire en médecine générale ( <b>CAMG</b> ) Commission des certificats en radioprotection ( <b>CRPR</b> ) Commission des masters complémentaires et certificats en médecine spécialisée ( <b>MCCM</b> ) Ecole de médecine dentaire et de stomatologie ( <b>MDEN</b> ) Ecole de médecine ( <b>MED</b> )

**Academic Supervisor :** [Myriam Delatte](#)

**Jury:**

### Usefull Contacts

