

## Hands-on cadaver intensive course in orthognathic surgery and ancillary procedures

### **Hands-on cadaver intensive course in orthognathic surgery and ancillary procedures 2018-2019**

#### **Presentation of the course**

The treatment of dento-maxillofacial deformity with orthognathic surgery has undergone a profound revolution during the last years. The reach - and hence the objectives - of this kind of surgery have been redefined to cover three basic pillars: 1) The correction of the underlying malocclusion and skeletal base discrepancy, 2) Upper airway management, and 3) Harmonization of facial esthetics.

There is currently no national or international continued education program in this field in any University. This hands-on course aims to provide participants with a comprehensive practical overview of all techniques of the orthognathic surgery spectrum, including ancillary procedures to optimize esthetic results. To this effect, an eminently practical course on cryopreserved cadaver heads has been designed.

#### **Department in charge**

Oral and maxillofacial surgery department  
Faculty of Dentistry

#### **Coordinators**

Dr Federico Hernández Alfaro  
Dr Adaia Valls

#### **Academic Board**

Dr Rodrigo Pallás, Dr. Federico Hernández Alfaro, Dr Samir Aboul-Hosn, Dr Ramón Sieira, Dr Adaia Valls, Dr Jorge Masià, Dr Raquel Guijarro

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### Objectives

- To review the relevant clinical anatomy to the treatment of dento-maxillofacial deformities.
- To review and execute all contemporary techniques in orthognathic surgery.
- To review and execute all contemporary techniques in facial esthetics optimization in the context of orthognathic surgery.
- To review and execute the basic contemporary techniques in speedy orthodontics.
- To provide an update of surgical techniques in this field of knowledge.

### Competences and learning outcomes to be acquired by students

- Theoretical-practical knowledge in maxillary osteotomies:
  - One-piece Le Fort I osteotomy.
  - Three- or four-piece Le Fort I osteotomy.
  - SARPE.
  - Minimally invasive techniques (“twist technique” by Hernández-Alfaro).
- Theoretical-practical knowledge in mandibular osteotomies:
  - Sagittal split osteotomy.
  - Anterior segmental osteotomy (frontblock).
  - Genioplasty.
  - Chin wing.
- Condylectomy (intraoral and extraoral approach)
- Theoretical-practical knowledge in zygomatic osteotomies:
  - Sandwich osteotomy.
- Theoretical-practical knowledge in facial harmony optimization techniques:
  - Rhinoplasty.
  - Buccal fat pad transposition.
  - Facial liposculpturing.
- Theoretical-practical knowledge in speedy orthodontics:
  - Corticotomies.

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### Program of the course

#### Day one: May 2nd

Schedule	Topic	Coordination and teaching staff
9:00-9:15 h	Welcome	Dr. Hernández Alfaro Dr. Guijarro Dr. Valls
9:15-9:45 h	Clinical anatomy Introduction to the dissection room	Dr. Pallás Dr. Hernández Alfaro Dr. Guijarro Dr. Valls
9:45-11:00 h	Mandibular osteotomies (sagital, vertical, frontblock, genioplasty, chin wing)	Dr. Guijarro Dr. Hernández Alfaro Dr. Valls
11:00-11:30 h	Coffee break	
11:30-14:00 h	Mandibular osteotomies (sagital, vertical, frontblock, genioplasty, chin wing)	Dr. Guijarro Dr. Hernández Alfaro Dr. Valls
14:00-15:30 h	Lunch break	
15:30-18:00 h	Maxillary osteotomies (LeFort I, segmented, SARPE, twist technique) Accelerated orthodontics: Corticotomies Orthopedic miniplates Rigid Internal Fixation:our protocol	Dr. Masià Dr. Sieira Aboul-Hosn Dr. Guijarro Dr. Hernández Alfaro Dr. Valls

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**Day two: May 3rd**

<i>Schedule</i>	<i>Topic</i>	<i>Coordination and teaching staff</i>
9:00-11:00 h	Malar Osteotomy Ancillary procedures for esthetic enhancement (Bichat Fat Pad transposition, lipofilling, jawline contouring)	Dr. Guijarro Dr. Aboul-Hosn Dr. Valls
11:00-11:30 h	Coffee break	
11:30-14:00 h	How to approach eventual complications	Dr. Guijarro Dr. Aboul-Hosn Dr. Masià
14:00-15:30 h	Lunch break	
15:30-18:00 h	Free practice (facial/neck lift...)	Dr. Guijarro Dr. Valls Dr. Aboul-Hosn

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### Basic information

#### Target

This course is intended for national or international trainees or specialists in Oral and Maxillofacial Surgery who wish to expand their knowledge in orthognathic surgery.

#### Calendar

May 2nd and 3rd, 2019

#### Schedule

Thursday and Friday, from 9:00 am to 6:00 pm

#### Accreditation

2 ECTS

#### Price

3.000€

#### Number of places

The number of places available for course are 20.  
The places will be granted by a strict order of registration.

Universitat Internacional de Catalunya  
Faculty of Dentistry



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**Place**

Universitat Internacional de Catalunya  
Campus Sant Cugat  
Josep Trueta, s/n  
Hospital Universitari General de Catalunya  
08195 Sant Cugat del Vallès  
Barcelona

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[Online pre-inscription](#)

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Schedule	Thursday and Friday, from 9:00 am to 6:00 pm
Place	Campus Sant Cugat. Josep Trueta, s/n. Hospital Universitari General de Catalunya. 08195 Sant Cugat del Vallès. Barcelona
Organizes	Faculty of Dentistry from UIC Barcelona

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The number of places is limited and will be granted by a strict order of registration

In the University website [www.uic.es](http://www.uic.es) you will find more information.