

## Hands-on Cadaver Intensive course in Orthognathic Surgery and Ancillary Procedures

### **Hands-on Cadaver Intensive Course in Orthognathic Surgery and Ancillary Procedures 2019-2020**

#### **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.

#### **Departament in charge**

Oral Medical-Surgical Pathology and Implantology Area  
Faculty of Dentistry

#### **Coordinators**

Dr. Federico Hernández Alfaro  
Dr. Adaia Valls

#### **Academic Board**

Dr. Natalia Ventura, 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
- Theoretical-practical knowledge in zygomatic osteotomies:
  - Sandwich osteotomy
- Theoretical-practical knowledge in facial harmony optimization techniques:
  - Rhinoplasty
  - Buccal fat pad transposition
  - Facial liposculpturing

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### Program of the course

#### DAY ONE: May 7th

<i>Schedule</i>	<i>Topic</i>	<i>Faculty</i>
9:00-9:15	Welcome Introduction to the dissection room	Dr. Aboul-Hosn Dr. Hernández Alfaro Dra. Valls Dra. Ventura
9:15-11:30	Maxillary osteotomies (LeFort I, segmented, SARPE, twist technique)	Dr. Aboul-Hosn Dr. Hernández Alfaro Dra. Valls Dra. Ventura
11:30-12:00	Coffee break	
11:30-14:00	Malar osteotomy Ancillary procedures for esthetic enhancement (Bichat Fat Pad transposition, lipofilling)	Dr. Aboul-Hosn Dr. Hernández Alfaro Dra. Valls Dra. Ventura
14:00-15:30	Lunch break	
15:30-18:00	Accelerated orthodontics: Corticotomies Orthopedic miniplates Rigid Internal Fixation: our protocol	Dr. Aboul-Hosn Dr. Hernández Alfaro Dra. Valls Dra. Ventura

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### DAY TWO: May 8th

<i>Schedule</i>	<i>Topic</i>	<i>Faculty</i>
9:00-11:30	Mandibular osteotomies (sagittal, Loncle modified technique, vertical, frontblock, SARME, constriction midline osteotomy, genioplasty (horizontal and vertical), chin wing)  Aesthetic enhancement for the contour of the jaw	Dra. Guijarro Dr. Hernández Alfaro Dr. Sieira Dra. Valls Dra. Ventura
11:30-12:00	Coffee break	
12:00-14:00	Intraoral/extraoral Condylectomy  How to approach eventual complications	Dra. Guijarro Dr. Hernández Alfaro Dr. Sieira Dra. Valls Dra. Ventura
14:00-15:30	Lunch break	
15:30-18:00	Ancillary procedures for aesthetic enhancement of the nose (rhinoplasty)  Free practice (facial/neck lift...)	Dra. Guijarro Dr. Hernández Alfaro Dr. Masià Dra. Valls Dra. Ventura

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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.

Other training: according to the criteria of the program management, a specific candidate will be accepted or not.

#### Calendar

May 7th and 8th, 2020

#### Schedule

Thursday and Friday, from 9 am to 6 pm

#### Accreditation

2 ECTS

#### Price

3.000€

#### Number of places

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

Universitat Internacional de Catalunya  
Facultat de Odontologia



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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

### **Contact**

Cristina Junquera  
Paola Lago  
T. +34 935 042 000  
infodonto@uic.es

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