

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

### **Hands-on Cadaver Intensive Course in Orthognathic Surgery and Ancillary Procedures 2021-2022**

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

Over recent years, the treatment of maxillofacial conditions with orthognathic surgery has undergone a revolution. The reach and objectives of this kind of surgery have been redefined so as to cover three basic pillars: 1) Correcting underlying malocclusion and skeletal discrepancy; 2) Upper airway obstruction management; 3) Harmonisation of facial aesthetics.

At present, there are currently no continuing education programmes in this field in any University, either in Spain or abroad. This hands-on course aims to provide participants with a comprehensive practical overview of all the techniques involved in the orthognathic surgery spectrum, including ancillary procedures to optimise aesthetic results. To this effect, we have designed a predominantly practical course using cryopreserved cadaver heads.

#### **Departament in charge**

Oral and maxillofacial medical-surgical pathology area  
Faculty of Dentistry

#### **Coordinators**

Dr. Federico Hernández Alfaro  
Dr. Adaia Valls

#### **Academic Board**

Dr Federico Hernández-Alfaro, Dr Adaia Valls, Dr Samir Aboul, Dr Jorge Masià, Dr Ramón Sieira  
Dr Mazarro, Dr Neagu.

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

### Objectives

- To review the relevant clinical anatomy for treating maxillofacial conditions.
- To review and practice all the 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 practice all the contemporary techniques in facial aesthetics in the context of orthognathic surgery.
- To provide an update of surgical techniques in this field of knowledge.

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

- Theoretical and practical knowledge of 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 and practical knowledge of mandibular osteotomies:
  - Sagittal split osteotomy
  - Anterior segmental osteotomy (frontblock)
  - Genioplasty
  - Chin wing
  - Internal and external condilectomy
  - Rigid Internal Fixation: our protocol
  - How to approach eventual complications
  - Zygomatic osteotomies:
  - Sandwich osteotomy
- Theoretical and practical knowledge of facial harmony optimization techniques:
  - Rhinoplasty
  - Buccal fat pad transposition
  - Facial liposculpturing
- Theoretical and practical knowledge in speedy orthodontics:
  - Corticotomies
  - Orthopaedic miniplates

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### Program of the course

Day one: May 5th, 2022

<i>Schedule</i>	<i>Topic</i>	<i>Faculty</i>
9am-9:15am	Welcome Introduction to the dissection room	Dr. Hernández Alfaro Dra. Valls
9.15am-11.30am	Maxillary osteotomies (LeFort I, segmented, SARPE, twist technique)	Dr. Aboul-Hosn Dr. Hernández Alfaro Dr. Masià Dr. Sieira Dra. Valls Dr. Mazarro Dr. Neagu
11.30am-12pm	Coffee break	
12pm-2pm	Accelerated orthodontics: Corticotomies Orthopaedic miniplates Rigid Internal Fixation: our protocol	Dr. Aboul-Hosn Dr. Hernández Alfaro Dr. Masià Dr. Mazarro Dr. Neagu Dr. Sieira Dra. Valls
2pm-3pm	Lunch break	
3pm-6pm	Malar osteotomy Ancillary procedures for esthetic enhancement (Bichat Fat Pad transposition)	Dr. Aboul-Hosn Dr. Hernández Alfaro Dr. Masià Dr. Mazarro Dr. Neagu Dr. Sieira Dra. Valls

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**Day two: May 6th, 2022**

<i>Schedule</i>	<i>Topic</i>	<i>Faculty</i>
9am-11:30am	Mandibular osteotomies (sagittal, Loncle modified technique, vertical, frontblock, SARME, constriction midline osteotomy, genioplasty (horizontal and vertical), chin wing)	Dr. Aboul-Hosn Dr. Hernández Alfaro Dr. Masià Dr. Mazarro Dr. Neagu Dr. Sieira Dra. Valls
11.30am-12:pm	Coffee break	
12pm-2pm	Intraoral/extraoral condylectomy How to approach eventual complications	Dr. Aboul-Hosn Dr. Hernández Alfaro Dr. Masià Dr. Mazarro
2pm-3.30pm	Lunch break	
3.30pm-6pm	Impact of orthognathic surgery on perinasal area & aesthetic enhancement of the nose (rhinoplasty) Aesthetic enhancement for the contour of the jaw Facial/neck lifting procedures/lipofilling	Dr. Hernández Alfaro Dr. Masià Dr. Mazarro Dr. Neagu Dr. Sieira Dra. Valls

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

### Basic Information

#### Target

This course is aimed at trainees or specialists in Oral and Maxillofacial Surgery, from Spain or abroad, who wish to expand their knowledge in orthognathic surgery.

Applicants with other backgrounds: acceptance will be at the discretion of the programme management.

#### Calendar

May 5th and 6th, 2022

#### Schedule

Thursday and Friday from 9am to 6pm

#### Accreditation

2 ECTS

#### Price

Price: € 3000.

Discount 10% students who have completed the International Expert in Orthognathic Surgery and Surgical Orthodontics Course.

#### Number of places

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

Universitat Internacional de Catalunya  
Facultat de Odontologia



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

### **Place**

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

### **Contact**

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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/dentistry](http://www.uic.es/dentistry) you will find more information.