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

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

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| 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 |
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

Acreditation
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.
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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
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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 |

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.