

## Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management

### Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management 2018-2019

#### Presentation of the course

There is a high demand for specialized training in the field of advanced implantology. The opportunity to perform complex surgical techniques in animal model and human cadaver with an eminently practical guidance has a gap in the middle of the large existing training programs.

#### Department in charge

Area Oral and Maxillofacial Surgery Department  
Faculty of Dentistry

#### Coordinators

Dr. Federico Hernández Alfaro  
Dr. Jorge Bertos  
Dr. Daniel De Ribot

#### Academic Board

Dr. Federico Hernández Alfaro, Dr. Jorge Bertos, Dr. Daniel de Ribot, Dr. Albert Barroso, Dr. Octavi Ortiz, Dr. Pau Altuna, Dr. Juan Zanon, Dr. Marc Quevedo Pou, Dr. Susana García, Dr. Silvia Pérez, Dr. Cristina Porta, Dr. Naroa Lozano, Dr. Oscar Salomó, Dr. Ernest Lucas, Dr. Jordi Caballé, Dr. Samir Aboul Hosn, Dr. Basel Elnayef, Dr. Nuria Farré, Dr. María Luisa Augé, Dr. Jorge Masía, Dr. Sandra Barrio, Dr. Adaia Valls.

## Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management

### Objectives

- Review in a systematic way, every complex surgical technique in advanced implantology.
- To provide dentists and maxillofacial surgeons appropriate diagnostic and therapeutic tools to solve complex cases in reconstructive Preprosthetic surgery.

### Competences

- Learn to diagnose complex cases.
- Mastering the elements of radiological diagnosis.
- Learn to choose appropriate techniques for each clinical situation.  
Knowledge and use of basic instrumental in advanced surgical techniques applied to surgery and oral implantology.
- Knowledge and practice of the various techniques in extracting autologous bone grafts and clinical applications.
- Body, angle and mandibular ramus. Different approaches and variations of the original technique.
- Symphysis of the chin. Different approaches and variations of the original technique.
- Anterior nasal spine.
- Tuberosity.
- Palate.
- Anterior and lateral sinus wall.
- Knowledge and practice of the "inlay" or sandwich technique for vertical bone increase in the posterior jaw. Description of the original technique and variations.
- Knowledge and practice of different techniques of guided bone regeneration. Horizontal and vertical bone regeneration.
- Knowledge and practice the lateralization and transposition of the N.D.I. technique.
- Knowledge and practice the Alveolar Split crest technique for horizontal augmentation.
- Knowledge and practice the nasal floor lifting technique.
- Knowledge and practice of lifting and grafting of the maxillary sinus through lateral approach technique.
- Knowledge and practice of implant placement in buttresses techniques.
- pterygoid implants.
- Implants in the palatine process of the maxilla.
- Knowledge and practice of the technique of placing angled implants to avoid anatomic structures.
- "Tilted implants" tangential to the maxillary sinus anterior wall.
- "Tilted implants" tangential to the mental foramen.
- Concept "All on Four"
- Knowledge and practice of dissection of Bichat bucal fat pad.
- Knowledge and practice of soft tissue management in implantology.
- Management of the flap to obtain passivity at closing.
- Free connective tissue grafts. donor, recipient and technical areas.
- Free free epithelial tissue grafts. donor, recipient and technical areas.
- Subepithelial rotated palatal flap.
- Roll-on original and modified technique.
- Tunneling technique.

## Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management

### Program of the course

<b>Thursday, May 16</b>	
<b>Schedule</b>	<b>Practice sessions on pig's head.</b>
9:00-9:15	Presentation. Dr. Federico Hernández Alfaro
09:15-10:30	Increased bone by the technique of Bone Regeneration Guided. Bone augmentation by onlay block grafting or by apposition
10:30-11:00	Coffee
11:00-12:15	Bone augmentation by inlay block grafting or by interposition. Alveolar crestal Split technique for vertical augmentation.
12:00-12:30	Bone augmentation by "Guided Bone Regeneration". G.B.R. Alveolar crestal Split technique for horizontal augmentation.
13:30-14:30	Lunch
14:30-17:00	Maxillary sinus lifting and grafting. Lateral approach. Nasal floor elevation and grafting. Alveolar nerve lateralization and trasposition. Tilted implant placement to avoid anatomic structures.
17:00-17:30	Coffee
17:30-19:00	Soft tissue management in implantology.
<b>Friday, May 17</b>	
<b>Schedule</b>	<b>Practice sessions on cryopreserved human cadaver heads. Part 1</b>
09:00-10:30	Extracting bone block grafts. Different techniques and clinical applications.
10:30-12:00	Bone augmentation by onlay block grafting or by apposition.
12:00-12:30	Coffee
12:30-14:00	Bone augmentation by inlay block grafting or by interposition.
14:00-15:00	Lunch
15:00-16:30	Bone augmentation by "Guided Bone Regeneration". G.B.R. Different techniques according to biomaterials, membranes and meshes.

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16:30-18:00	Alveolar crestal split technique for horizontal augmentation.
18:00-18:30	Coffee
18:30-20:00	Maxillary sinus lifting and grafting. Lateral approach. Nasal floor elevation and grafting
<b>Saturday, May 18</b>	
<b>Schedule</b>	<b>Practice sessions on cryopreserved human cadaver heads. Part 2</b>
09:00-10:30	Alveolar nerve lateralization and trasposition.
10:30-12:00	Buttresses implant placement techniques: Pterygoid implants.
12:00-12:30	Coffee
12:30-13:30	Tilted implant placement to avoid anatomic structures.
13:30-14:30	Lunch
14:30-16:00	Bucal fat pad dissection
16:00-16:30	Coffee
16:30-18:30	Soft tissue management in implantology.
18:30-19:00	Ending and Diplomas distribution

- The course lasts for three days. The course is theoretic and practic where will be addressed each of the different surgical techniques in implantology and advanced pre-prosthetic surgery. The different sessions of the course will be organized as follows; the theory will be taught and then students will put into practice on the anatomical model. The first day will be on pig's head while in the next two days will be on cryopreserved human heads.
- Theoretical and practical sessions should be prepared in advance by the student as directed by the teacher who will facilitate bibliographical sources or study material. The students will have a written document where all surgical techniques are explained in detail nad will be discussed later in the practice sessions
- The theoretical / practical day 16 on pig's head, activity will take place in the laboratory or dissecting laboratory previously agreed. On this day we can apply the vast majority of surgical techniques on an animal model that serve as introduction to the theoretical / practical workshop on human cadaver model. Each surgical technique will be strengthened by a reminder video or power point presentation or key note for better student proceed in practice.
- The theoretical / practical day of 17 and 18 will take place on cryopreserved human cadaver model in the laboratory or dissecting laboratory previously agreed. In these sessions, students will have the opportunity to apply on the anatomical model previously acquired theoretical knowledge. This theoretical / practical session will be strengthened by a reminder video or power point presentation or key note as in the previous day for a better student proceed in practice.

## **Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management**

- There will be a Cone Beam Computerized Tomography (CBCT) of all cadaveric samples (in this case it will be heads of cryopreserved human cadaveric) for the study and planning of the intervention by the students. So each student will need to attach a PC to display the scanner so you can plan the surgery.
- It is an objective of this program, prior theoretical study of each and every one of the different surgical procedures to be applied on cadaveric anatomical models. Therefore a continuous assessment of their knowledge (in previous sessions and during dissection) and a final evaluation, which will be essential to pass for obtaining the certificate will be made.

## Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management

### Basic information

#### Target

National and international Dentists, oral surgeons and oral and maxillofacial surgeons

#### Calendar

May 16th to 18th, 2019

#### Schedule

Thursday to Saturday from 9 AM to 8 PM

#### Accreditation

3 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  
Facultat de Odontologia



## **Hands-On Cadaver Intensive Course in Advanced Implant Surgery: Hard and Soft Tissue Management**

### **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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**Hands-On Cadaver Intensive Course in Advanced  
Implant Surgery: Hard and Soft Tissue  
Management**

**Hands-on Cadaver Intensive Course in Advanced Implant  
Surgery: Hard and Soft Tissue Management 2018-2019**

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Calendar	May 16 <sup>th</sup> to 18 <sup>th</sup> 2019
Schedule	Thursday to Saturday from 9 AM to 8 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

For more information please check the website [www.uic.es](http://www.uic.es)