

INTERNATIONAL MSc  
**IN ADVANCED DENTAL IMPLANTOLOGY**  
UEMC Miguel de Cervantes European University



## UEMC Madrid develops

- A unique International University Master course **developed in Barcelona (Spain) and Padua (Italy)**, with renowned worldwide speakers.
- Accredited by **one of the most prestigious International Universities in Spain (URJC)** with 120 ECTS.

**UEMC**

## Universidad Europea Miguel de Cervantes

European qualification that has been tailor made to provide an opportunity for international students willing to pursue a professional career in Dental Implantology, enhancing their surgical skills, management of hard/soft tissue deficiencies, restoring from simple to full arch implant supported prosthesis and having access to a wide range of implant related procedures using cutting edge technology.



**EsiroBarcelona**  
CLINICA ODONTOLÓGICA UNIVERSITARIA

Participants work under the supervision of the prestigious **Universidad Europea Miguel de Cervantes at ESIRO University Clinic** (Barcelona), recognised worldwide for its foremost higher educational programmes and its commitment to research and continuous professional development.

Experts in the field of medical research will guide candidates towards the completion of a research project as well as acquiring practical skills in advanced dental implant procedures.



## Objectives

- To offer a comprehensive educational program in evidence based Dental Implantology with the latest technology and innovations;
- To provide a practical implant training pathway with access to a large variety of cases from simple to complex;
- Hands-on treatment on patients provided by the University under supervision of well-experienced tutors.

## Program overview

- 8 modules (18 units; 6 modules of 4 days in Barcelona, 2 modules of 2 days in Padua, over 2 years )
- **Online distance learning** through virtual campus as well as online treatment planning sessions;
- Portfolio of cases to be defended by the end of 2-year period;
- Access to a wide variety of clinical cases provided by the University throughout the program and to be treated by participants under direct supervision;
- Participants are expected to place a minimum of 20 dental implants and being involved in a variety of hard/soft tissue regenerative procedures. At the same time they will have their opportunity to work closely with other specialists following a multidisciplinary approach, restore their own clinical cases and follow up on their patients making this a unique program worldwide.

### CALENDAR AND TIMETABLES

#### May 2026 - May 2028

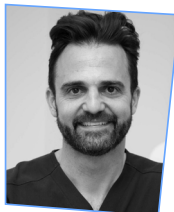
Wednesday: 10am-6pm | Thursday and Friday: 9am-6pm | Saturday: 9am-4pm

#### VENUE

**ESIRO, University Clinic** - Carrer de Còrsega, 474, Gràcia, 08025 Barcelona - Spain  
**Sweden & Martina** - Via Veneto 10, 35020 Due Carrare (Padua) - Italy



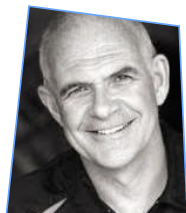
# LECTURERS



**Prof David Madruga PhD**  
Course Director  
Associate Professor  
in Periodontics and Dental  
Implantology  
Director MSc in Advanced  
Implantology URJC,  
Madrid



**Prof Roberto López Píriz MD DDS PhD**  
Associate Professor  
in Periodontics and Dental  
Implantology  
University San Pablo CEU,  
Madrid



**DDS Dermot McNulty**  
Diplomate Implant  
Dentistry FGDP RCS  
(UK)



**DDS Nick Lewis**  
Consultant and specialist in  
Restorative Dentistry Royal Surrey.  
Legal Medicine Consultant



**DDS Andoni Jones**  
Diplomate Implant  
Dentistry UPV (Spain)



**Prof Giovanni Zucchelli PhD**  
Honorary Member American  
Academy of Periodontology



**Prof Haidar Hassan PhD**  
Senior lecturer  
Queen Mary University,  
London  
MSc Implant Dentistry URJC,  
Madrid



**Prof Marco Esposito PhD**  
Professor in research methodology  
Vita Salute University San Raffaele,  
Milan



**Prof Avik Dandapat**  
Diplomate Implant  
Dentistry FGDP RCS (UK)  
MSc Dental Implantology,  
Leeds



**Prof Luca De Stavola**  
MSc Oral Medicine  
MSc Oral Surgery  
Visiting professor Padua University



**Dr Shawqi Al-Hashemi**  
Executive director of  
the American College of  
Maxillofacial Implantology,  
Director and Principal Surgeon



**Dr Chetan Mathias**  
BDS, Dip. Imp. Dent. Rcs,  
Edinburgh



**DDS Sergio H Cacciaccane**  
Clinical Director ESIRO,  
Barcelona



**DDS Fernando Cebrián**  
MSc Oral Surgery and  
Implantology, URJC



**Dr Carolina Rodriguez**  
Specialist in Prosthodontics,  
Melbourne University



**DDS Naresh Kewalramani**  
MSc Advanced  
Implantology, URJC



**DDS Ángel López**  
Specialist in Periodontics,  
Director MSc Advanced  
Implantology URJC



**DDS Pablo Gómez**  
MSc Oral Surgery and  
Implantology, URJC



**DDS Ghali Berrada**  
MSc Advanced Implantology,  
URJC



**Dr Rudi Mukherjee**  
Aesthetics and Implant  
Continuum,  
University College,  
Los Angeles (USA)



**Dr Riz Syed**  
BDS, Royal London  
Hospital



**DDS Luis Segura Mori PhD**  
MSc in Oral rehabilitation,  
Oviedo



**DDS Alejandro Bermejo**  
MSc Advanced  
Implantology, URJC



**Dr Pablo Grau**  
MSc Advanced  
Implantology, URJC



# MODULE I

15<sup>th</sup>-16<sup>th</sup> May 2026, Padua

## UNIT 1: Introduction to the course.

### Biological principles in implant dentistry, medico-legal issues.

Prof David Madruga, Prof Haidar Hassan, DDS Nick Lewis

- Course requirements and learning outcomes
- Biological principles in implantology
- Surgical anatomy and physiology
- Diagnosis and evaluation of the implant patient
- Philosophy and treatment planning
- Hands-on: implant placement, exposure of implants, surgical /restorative components handling
- Medico-legal issues in Dental Implantology
- Types of implant restorations
- Hands-on: conventional vs digital impression techniques, overview of prosthetic components

# MODULE II

17<sup>th</sup>-20<sup>th</sup> June 2026, **Barcelona**

## UNIT 2: Surgical and restorative principles in implant dentistry

Prof David Madruga

- Philosophy and treatment planning
- Preoperative preparation of the implant patient
- Drilling protocols
- Exposure and second stage surgical procedures
- Sterilisation, surgical field preparation, instruments
- Restorative principles in Dental Implantology
- Prosthetically driven surgery principles



## Unit 3: Digital workflow in Dental Implantology. Medical imaging and CBCT training

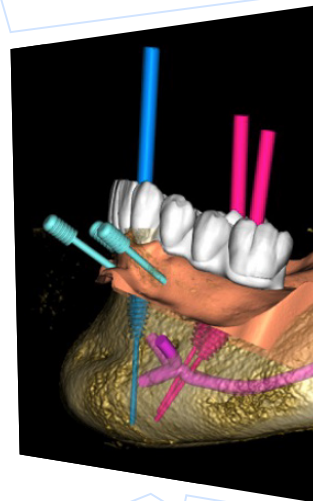
DDS Dermot McNulty, DDS Alejandro Bermejo,  
DDS Naresh Kewalramani, DDS Ghali Berrada

- Introduction to digital workflow in Dental Implantology
- How to achieve successful outcomes when integrating a full digital approach
- CBCT planning and interpretation
- Comprehensive treatment planning session
- Photographic process. Recommended equipment
- Hands-on: extraoral and intraoral photography. Basic protocols, University clinic protocols, CBCT implant planning software

## Unit 4: Periodontics I, flap designs, incisions and sutures

DDS Pablo Gómez, DDS Ángel López

- Periodontal screening and recording. Physiology, microbiology, etiology and epidemiology of periodontitis
- Periodontal management of the implant patient
- Anatomic and physiologic considerations in oral surgery
- Hands-on: Incisions, flap design and suture techniques in animal model



# MODULE III

18<sup>th</sup>-21<sup>st</sup> November 2026, Barcelona



## UNIT 5 : GBR principles in implant dentistry

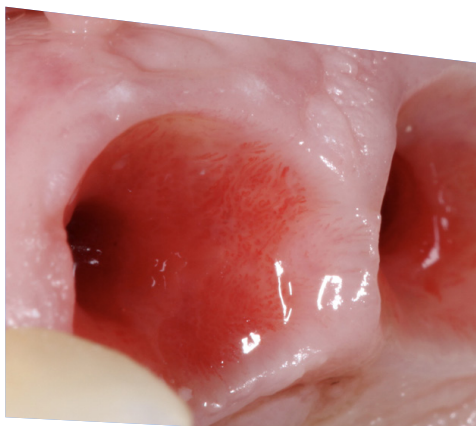
Prof David Madruga, DDS Alejandro Bermejo,  
DDS Naresh Kewalramani, DDS Ghali Berrada

- Biological principles of GBR
- Hard and soft tissue management techniques overview
- Classification of bone defects and treatment options
- Prosthetic challenges and outcomes
- Hands-on: Incisions, flap design and suture techniques in animal model
- Live surgery on patients provided by University Clinic

## UNIT 6: Prosthesis I

Dr Carolina Rodriguez

- Occlusion in implant prosthesis
- Biomechanical management of the implant patient
- Prosthetics options. Types of implant-supported prosthesis
- Provisional prosthesis and final prosthesis
- Distribution of implants
- Abutment selection in Dental Implantology
- Types of prosthesis
- Cemented and screw retained prosthesis
- Management of complications
- Live surgery on patients provided by University Clinic





## **UNIT 7: Immediate post-extraction implants. Immediate loading**

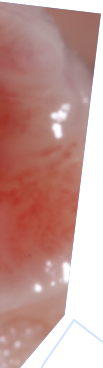
Prof David Madruga, DDS Andoni Jones

- Immediate implant placement principles
- Immediate loading
- Occlusal scheme in immediate loading
- Full on X surgical and prosthetic principles
- Hands-on: Single unit immediate placement/loading on a model, All on X, handling of prosthetic components and materials involved
- Live surgery on patients provided by University Clinic

## **UNIT 8: Prosthesis II**

Dr Carolina Rodriguez

- Prosthetic protocol and aesthetic optimisation.
- Success criteria
- Provisionalisation. Transfer of information from the provisional to the definitive prosthesis
- Management of complications
- Live surgery on patients provided by University Clinic



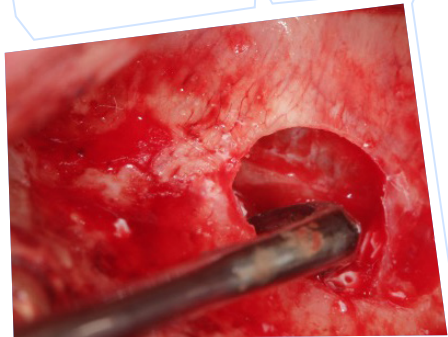
# MODULE IV

17<sup>th</sup>-20<sup>st</sup>February 2027, Barcelona

## UNIT 9: Advanced Implantology I: Maxillary Sinus Grafting

Prof David Madruga

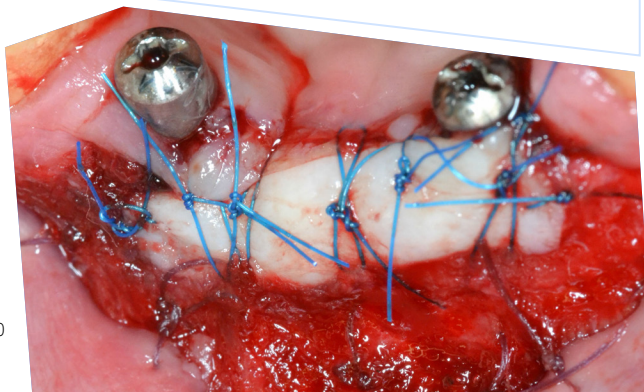
- Anatomy of the maxillary sinus: surgical implications
- Clinical and radiological analysis
- Biomaterials
- Techniques: internal, external, osseodensification
- Management of complications
- Hands-on: sinus lift in animal model
- Live surgery on patients provided by University Clinic



## UNIT 10: Periodontics II: Management of periimplant disease

DDS Luis Segura Mori

- Anatomical and biological differences between teeth and implants and soft tissue augmentation techniques
- Overview of advanced soft tissue management techniques around teeth and implants
- Implant maintenance and management of complications through soft tissue augmentation
- Hands-on: soft tissue management techniques in animal model
- Peri-implant diseases assessment and classification
- Management of periimplant defects
- Hard/soft tissue solutions for implant survival
- Live surgery on patients provided by the University clinic





## UNIT 11: Research applied to Dental Implantology

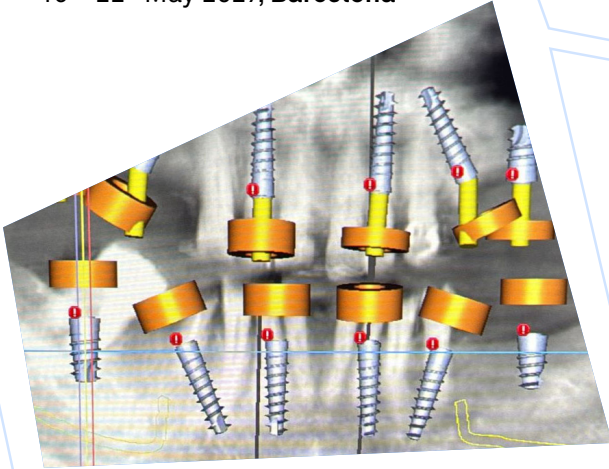
Prof David Madruga, Prof Marco Esposito, Prof Juan Antonio López,  
Prof Haidar Hassan

- How to formulate answerable clinical questions in research
- Epidemiological studies
- Use of research databases
- Critical appraisal of the literature
- Scientific writing
- Live surgery on patients provided by University Clinic



# MODULE V

19<sup>th</sup>-22<sup>th</sup> May 2027, Barcelona



## UNIT 12: Guided implant surgery

Prof David Madruga, Prof Avik Dandapat

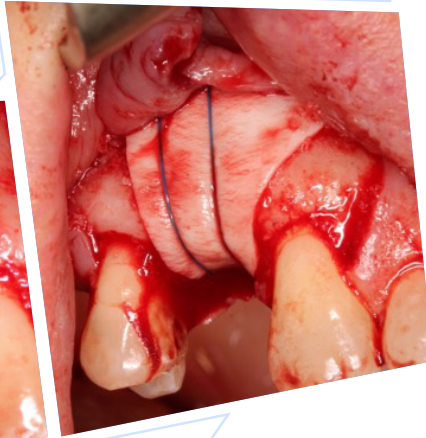
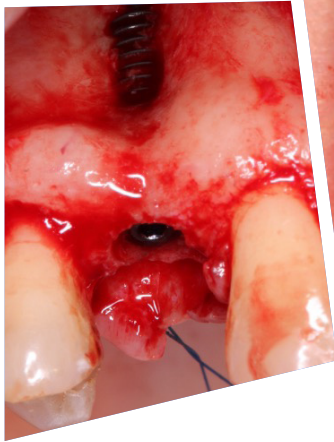
- DDS and guided surgery protocols
- Photogrametry/ 3D printing technology
- Guided surgery types, design, complications
- Live surgery on patients provided by the University clinic

## UNIT 13: Advanced implantology II: bone manipulation techniques. Split crest

Prof David Madruga

- Biological principles of bone expansion
- Split crest techniques
- Crestal expansion techniques
- Piezoelectric motor application for crestal expansion
- Hands-on: Split crest in animal model
- Live surgery on patients provided by University Clinic





## MODULE VI

17<sup>th</sup>-20<sup>th</sup> November 2027, **Barcelona**

### UNIT 14: Advanced implantology III: horizontal bone augmentation

Prof David Madruga, DDS Andoni Jones

- Biological principles
- 3D defect analysis
- Rationale for different techniques
- Management of complications
- Hands-on: Horizontal GBR procedures
- Live surgery on patients provided by University Clinic

### UNIT 15: Advanced implantology IV: split bone block technique (SBBT)

Prof David Madruga, DDS Andoni Jones

- Biological principles
- Safe intraoral harvest of autogenous bone
- Fixation systems
- Overcoming bone resorption. Additional procedures
- Management of complications
- Hands-on: SBBT in animal model
- Live surgery on patients provided by University Clinic



# MODULE VII

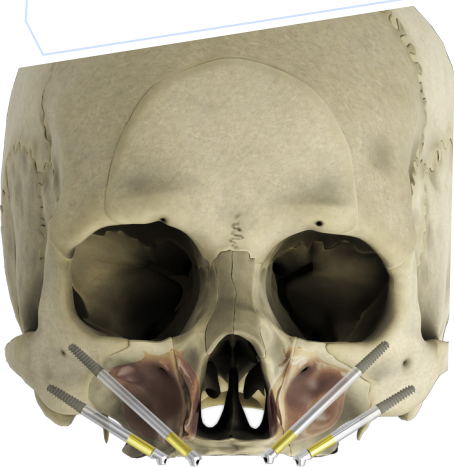
23<sup>th</sup>-26<sup>th</sup> February 2028, **Barcelona**



## UNIT 16: Advanced implantology VI: vertical bone augmentation

Prof David Madruga, DDS Fernando Cebrián

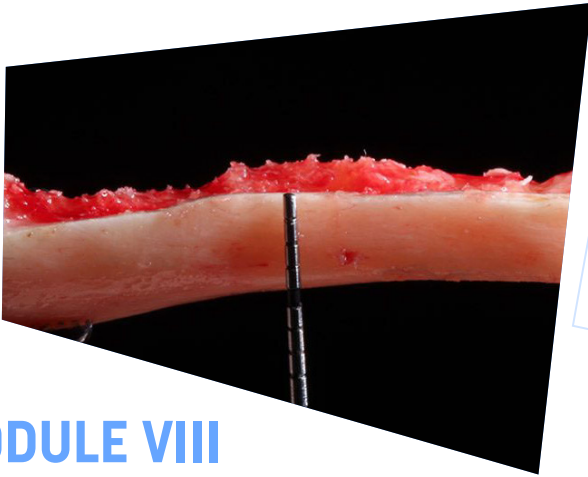
- Clinical indications and rationale for different techniques/biomaterials
- Soft tissue management after large regenerative procedures
- Management of complications
- Hands-on: Vertical GBR procedures in animal model
- Live surgery on patients provided by University Clinic



## UNIT 17: Advanced implantology VII: the treatment of the atrophic maxilla. Zygomatic Implants.

DDS Sergio Cacciaccane, Prof Roberto López Piriz,  
Prof David Madruga

- Implants in anatomical flying buttresses: Zygomatic, Pterygoid, nasale
- Applied anatomy, diagnosis and planning of zygomatic implants
- Clinical indications
- Brief overview of the surgical approach
- Maintenance Protocol
- Hands-on: zygomatic placement in resin models
- Clinical demonstration of a zygomatic implant case on a real patient
- Public defence of research project
- Assessment of portfolio of cases treated during the course



## MODULE VIII

19<sup>th</sup>-20<sup>th</sup> May 2028, Padua

### UNIT 18: Advanced hard and soft tissue management masterclass

DDS Luca De Stavola, Prof Giovanni Zucchelli

- Advanced hard/soft tissue management of complex cases
- GBR vs Autogenous Shell Technique
- Clinical decision making when approaching large 3D defects
- Aesthetic and functional challenges
- Management of complications
- Soft tissue management of peri implant defects
- Mucogingival surgery alternatives for succesful implant outcomes



## CALENDAR AND TIMETABLES

May 2026 - May 2028

## VENUE

ESIRO, University Clinic - Carrer de Còrsega, 474, Gràcia, 08025 Barcelona  
Sweden & Martina – Via Veneto 10, 35020 Due Carrare (Padua) – Italy

For further information regarding the course please contact Prof David Madruga on: [david.madruga@clinica.urjc.es](mailto:david.madruga@clinica.urjc.es)

## DOCUMENTS

Registered participants are kindly requested to submit the following documents to Prof. David Madruga [david.madruga@clinica.urjc.es](mailto:david.madruga@clinica.urjc.es):

- Copy of BDS/DDS certificate
- Curriculum Vitae (CV)
- Passport copy
- Indemnity copy

## SUBSCRIPTION

Sweden & Martina Ltd, email: [info.uk@sweden-martina.com](mailto:info.uk@sweden-martina.com), Tel: +44 (0)1293 302013.

We have limited availability for this event, so to avoid disappointment please reserve your place by contacting us. Registrations will be accepted and processed in chronological order according to the receipt date. **Maximum number of delegates: 20**

**Please fill this form out and send it to [info.uk@sweden-martina.com](mailto:info.uk@sweden-martina.com)**

### UKIMPL2026001

Attendee Name Attendee Surname

Company E-mail Tel

Billing Name Billing Address

City Postcode

VAT Number

Practice name Personal e-mail

Territory Manager

Full GDPR Policy available at this address: [www.sweden-martina.com/en\\_gb/privacy/](http://www.sweden-martina.com/en_gb/privacy/)

## TERMS OF PAYMENT

Registration will only be valid upon receipt of the required deposit agreed with your sales rep.

### Bank detail:

BANK WIRE: BARCLAYS | SORT CODE: 20 23 98 | ACCOUNT NUMBER: 33794407

**IBAN: GB72BARC20239833794407**

Beneficiary: Sweden & Martina

Subject: participant's name and surname **COURSE UKIMPL2026001**

## CANCELLATION POLICIES

In the event of non-participation, the registration fee will be refunded only if written cancellation is received no later than 30 days before the beginning of the event.

### ORGANIZING SECRETARIAT Sweden & Martina Ltd

5th Floor, North Side, 7/10 Chandos Street

Cavendish Square, W1G9DQ, London GB250831915

[www.sweden-martina.com](http://www.sweden-martina.com)

**FOLLOW US!** [f](#) Dental Arena [@](#) [@dentalarenachannel](#)

