Hybrid Professional Master's Degree Implantology and Oral Surgery





#### Hybrid Professional Master's Degree Implantology and Oral Surgery

Modality: Hybrid (Online + Clinical Internship) Duration: 12 months Certificate: TECH Global University 60 + 5 ECTS Credits Website: www.techtitute.com/us/dentistry/hybrid-professional-master-degree/hybrid-professional-master-degree-implantology-oral-surgery

# Index

01	02	03	04	
Introduction	Why Study this Hybrid Professional Master's Degree?	Objectives	Competencies	
р. 4	p. 8		p. 12	p. 18
	05	06	07	
	Course Management	Educational Plan	Clinical Internship	
	р. 22		p. 28	р. 34
	08	09	10	
	Where Can I Do the Clinical Internship?	Methodology	Certificate	
	р. 40		p. 58	p. 66

# 01 Introduction

One of the most notorious advances in the field of dentistry is the development of biomaterials and implants of greater quality and durability. This has led to more optimal treatment results, although this is the tip of the iceberg in a health specialty that is constantly evolving. This is the reason for the creation of this program, which offers professionals the most up-to-date knowledge on the Implantology and Oral Surgery techniques currently used. All through a theoretical framework taught in 100% online mode, which is completed with a practical stay in a first level clinical center and together with the best specialists.

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With this hybrid program you will be able to manage complex clinical situations involving the esthetics and functionality of the patient's teeth"

#### tech 06 | Introduction

Dental implants emerged with the discovery of titanium osseointegration, which was used to create a direct structural and functional connection between living bone and the surface of an implant. Since then, this technique has evolved to use materials that adapt much better to the body and do not cause rejection.

This way, biomaterials have gained weight in recent years and there is a commitment to their development for their use in Implantology and Oral Surgery: advances that oblige professionals to constantly update their knowledge in order to offer their patients the most effective treatments with the best results. In this line, TECH has created this hybrid Master, which provides the specialist, the latest and most current information on techniques, materials and instruments used in the implementation of implants and oral surgery.

All this with a theoretical framework 100% online and with the most innovative multimedia content, which will allow you to deepen in the surgical techniques used for the approach of dental lesions, using the latest technology available. In addition, you will progress through the syllabus in a natural way, thanks to the Relearning method, which will even allow you to reduce the long hours of study.

Once the theoretical stage is completed, the academic course will continue with a practical stay in a prestigious clinical center, where you will be integrated in an excellent team of professionals, who will guide you and show you the latest advances in this area. This way, the professional will obtain a much broader and more complete vision of current Implantology and Oral Surgery, through a unique program.

This academic institution has designed this university degree to respond to the real needs of professionals who are looking to update their knowledge through a flexible program that adapts to their daily work and personal activities. And not only that, but it also takes you to immerse yourself in a real practical environment. A unique academic option that only TECH offers.

This **Hybrid Professional Master's Degree in Implantology and Oral Surgery** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of more than 100 clinical cases presented by dental professionals, experts in implant dentistry and oral surgery and experienced university professors
- The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- The latest developments in Endodontics and Apical Microsurgery
- Practical exercises where self-assessment can be used to improve learning
- Emphasis on innovative methodologies in Endodontics and Apical Microsurgery
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection
- Furthermore, you will be able to carry out a clinical internship in one of the best hospital centers

This program will allow you to enhance your skills for the perfect realization of an occlusal adjustment through a real practice"

#### Introduction | 07 tech

This program will allow you to enhance your skills for the perfect realization of an occlusal adjustment through real practice"

In this proposal for a Master's Degree, of a professionalizing nature and hybrid learning modality, the program is aimed at updating dental professionals who need to develop their skills in Implantology and Oral Surgery. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge in dental practice, and the theoretical-practical elements will facilitate the updating of knowledge and allow decision making in patient management.

Thanks to the multimedia content, developed with the latest educational technology, dental professionals will benefit from situated and contextual learning, i.e., a simulated environment that will provide immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts. Don't miss the opportunity to enroll in a university degree that will allow you to update the techniques of alveolar ridge augmentation using soft tissue.

This program will bring you up to date, through a theoretical and practical perspective, on the most efficient procedures for grafting.

## 02 Why Study this Hybrid Professional Master's Degree?

In the field of dentistry it is necessary not only to master the theoretical concepts, but also to be able to put them into practice effectively with patients who really need the attention of a dental specialist. That is why TECH has created this pioneering degree, which combines the most recent updates in areas such as guided bone regeneration, immediate implantology or implant prostheses with a practical stay in a leading clinical center. Thanks to this, the professional will obtain a much more complete and wide-ranging vision of the techniques, diagnostic methods and equipment used in Implantology and Oral Surgery. In addition, they will do so in the company of the best specialists in this field, who will accompany them during this academic process that will last a maximum of 12 months.

#### Why Study this Hybrid Professional | 09 **tech** Master's Degree?

TECH gives you the opportunity to perform in an exceptional clinical setting with patients requiring implants or surgical interventions"

### tech 10 | Why Study this Hybrid Professional Master's Degree?

#### 1. Update from the latest technology available

The irruption of new technologies in the area of dentistry has made it possible to incorporate computer or robot-guided techniques in clinical centers. This has significantly improved the planning and execution of the treatments performed. Thus, these advances have led to the creation of new surgical models that TECH brings closer to the professional through this hybrid Master.

#### 2. Gain in-depth knowledge from the experience of top specialists

One of TECH's maxims in this program is to provide current and useful knowledge for the professional. That is why, during this academic period, you will have, firstly, expert teachers who will guide you through the theoretical framework, and secondly, with professional specialists, who will accompany you during 3 weeks of intensive practice. All this, to offer a quality certification in Implantology and Oral Surgery.

#### 3. Enter first-class clinical environments

TECH carries out a rigorous selection process in all the centers available for the internship. This way, the specialist will have guaranteed access to a first class clinical environment in the area of Implantology and Oral Surgery. This way, they will be able to see, in situ, the day-to-day work of a demanding, precise job that requires the utmost scientific rigor.



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#### Why Study this Hybrid Professional | 11 **tech** Master's Degree?

#### 4. Combine the best theory with state-of-the-art practice

The academic market is full of pedagogical programs focused on offering a theoretical, dense and unattractive framework, completely distant from the real needs of professionals. That is why TECH has decided to combine a 100% online theoretical update with a 100% practical stay. This way, the professional will be up to date with the latest and most recent procedures used in Implantology and Oral Surgery.

#### 5. Expand the boundaries of knowledge

This academic institution offers dental professionals an excellent opportunity to update their knowledge in Implantology and Oral Surgery with the best experts in this field. In addition, you will have access to a prestigious clinical center, where you will be able to work in a real scenario and with patients who require the most advanced dental techniques. An experience that you will only be able to have through this Hybrid Master designed by TECH.

**66** You will have full practical immersion at the center of your choice"

# 03 **Objectives**

The important advances in dentistry have led TECH to design this Hybrid Professional Master's Degree, which offers the specialist the most advanced and recent knowledge for the performance of implants and oral surgeries. For this purpose, this institution provides innovative teaching resources and a practical stay, with which you will complement the concepts visualized in the advanced syllabus, which makes up this program.

Get a complete update of your knowledge in Implantology and Oral Surgery through a university degree that adapts to the real needs of professionals"

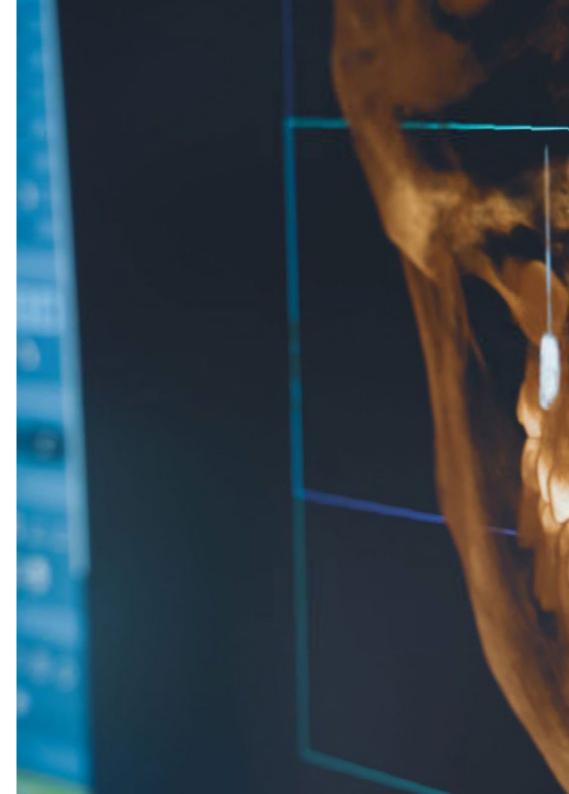
#### tech 14 | Objectives



#### **General Objectives**

- To update the theoretical and practical knowledge of the maxillofacial surgeon in the different areas of oral surgery and implantology
- Promote work strategies based on a multidisciplinary approach towards patients who are potential candidates for oral surgery or restoration with dental implants
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training
- \* Encourage professional stimulation through continuing education and research

In only 12 months, you will master the most current and advanced technologies for the realization of sinus lifts"



#### Objectives | 15 tech





#### Specific Objectives

#### Module 1. Diagnosis

- Explain the appropriate process for carrying out the pre-surgery medical history of a patient
- Identify the surgical procedure to be followed once the tests have been performed
- Analyze and deepen on the most common diseases that occur in the oral cavity
- Assist the patient in case of a medical emergency
- Perform analytical processes for correct medical diagnoses that serve as a starting point for the surgical procedure

#### Module 2. Oral Surgery Pathology

- Identify the main pathologies that commonly occur in patients
- Delve into the surgical processes and their mode of execution for a correct use of the surgical process
- Describe the possible pathologies that may occur after the oral surgery process
- Describe recommendations to be followed and use of drugs for pain relief
- Diagnose counterproductive causes of poorly carried out processes

#### Module 3. Implant Planning

- Describe the anatomy of the cranio-maxillary complex: surgical and implantologic relevance
- Identify the pharmacological interactions and explain the radiological techniques necessary for implant diagnosis
- Analyze the techniques required for correct implant planning
- Organize the necessary tools and medicines required for the procedure of an implantation

#### tech 16 | Objectives

#### Module 4. Implantology and Osseointegration

- Describe the main aspects involved in osseointegration procedures
- Identify the bony parts involved in oral implantation processes
- Analyze the correct handling of implantation to match each facial bone cavity
- Identify the materials from which the prostheses are made
- Identify oral bone parts that can be replaced by surgical procedures and others that can be replaced by prosthesis

#### Module 5. Basic Surgical Technique and Implantology

- Describe basic surgical procedures: incisions, types of flaps, sutures, etc
- Explain the surgical procedures of extractions, frenectomies
- Explain one- and two-stage surgical procedures, prepare the surgical field and master sterilization protocols

#### Module 6. Biomaterials and Bone Guided Regeneration

- Define bone biological mechanisms in guided bone regeneration
- Analyze the materials and composition of prostheses to avoid the use of processes that affect bone regeneration
- Describe the care to be taken after a surgical procedure
- Identify the amount of time it takes for a bone system to fully regenerate after the oral implantation procedure

#### Module 7. Maxillary Sinus Lift

- Explain the process for performing sinus lift, ramus bone grafting and mandibular symphysis surgical techniques
- Analyze the engraftment procedure in surgical lifting techniques
- Describe the correct process for maxillary sinus elevation
- Delve into the surgical procedure of sinus lift
- Apply post-surgical techniques for the recovery and evolution of the maxillary sinus lift

#### Module 8. Immediate Implantology

- Interrelate Implantology with the patient's medical pathologies and the rest of the dental specialties, as well as to take samples
- Apply techniques in Immediate Implant Dentistry
- Apply your knowledge to single teeth, partial bridges and immediately loaded restorations

#### Module 9. Advanced Surgical Techniques in Implantology

- Apply surgical techniques to obtain primary stability of the implant in favorable situations with high bone availability
- Apply the techniques of pre-implantological alveolar ridge augmentation with regeneration of both hard and soft tissue
- Identify surgical procedures of major complication and implement them taking into account the bases and procedures
- Analyze the new surgical models applied for modern implantation

#### Objectives | 17 tech

#### Module 10. Periodontics Applied to the Treatment of the Implantology Patient

- Describe maintenance techniques as well as peri-implant alterations and their treatment
- Describe the different soft tissue management techniques used during implant and regenerative surgery

#### Module 11. Implant Prosthesis

- Perform complete rehabilitation processes, vertical dimension alterations, etc
- Identify the materials used for the creation of prostheses and their proper use on implants
- Develop medical samples to identify the bone gear for implanting prostheses on natural parts

#### Module 12. Implant Prosthesis in a Totally Edentulous Patient

- Explain the dental implantation process to the edentulous patient
- Identify the dental implantation procedure and the appropriate prosthesis models for each
   particular patient
- Delve into the surgical procedure and describe the medical materials to perform it for the realization of the procedure
- Perform surgical procedures that allow the implantation of prostheses in the edentulous patient
- Follow the post-surgical process

#### Module 13. Implant Prosthesis in the Anterior Aesthetic Sector

- Explain the process for performing advanced implant prosthodontic procedures
- Conduct a prosthesis study to identify the best and most modern prosthesis models
- Aesthetically identify the appropriate prosthesis for each specific surgical procedure
- Perform a post-surgical smile and design study
- Perform recovery and rehabilitation process

#### Module 14. Computer Guided Surgery and Immediate Loading

- Implement the new use of technology in surgical procedures
- Analyze the new handling techniques for computerized surgery and immediate loading
- Identify the shortcomings of the computerized surgical procedure and immediate loading to be solved during surgery
- Identify the care to be taken when undergoing guided surgery
- Analyze the surgical process and make a diagnosis of possible surgical corrections if applicable

#### Module 15. Occlusion in Implantology

- Describe the steps for the surgical, prosthetic and occlusal adjustment of single teeth and partial bridges
- Explain the process to perform the basic aspects of implant-prosthesis: impression taking, casting, articulator mounting and occlusal adjustment of the prosthesis

#### Module 16. Complications in Implantology

- Identify the surgical procedures that went wrong in patients with oral difficulties and discomfort
- Be aware of the common complications presented in poorly performed surgical procedures and their possible immediate correction
- Identify materials according to the patient's diagnosis so that it does not affect their recovery and avoid complications in the future
- Analyze different proposals for fast-acting and surgical methods to solve complications in implantology

# 04 **Skills**

The clinical case studies will lead the professional to enhance their skills and abilities in the design of implants that adapt to the patient's features, as well as the protocols and techniques used in pre and postoperative. These competencies will be effectively achieved thanks to the support and guidance of the specialized faculty that teaches this degree.

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With this program you will be up to date with the pharmacology currently used in implant treatments"

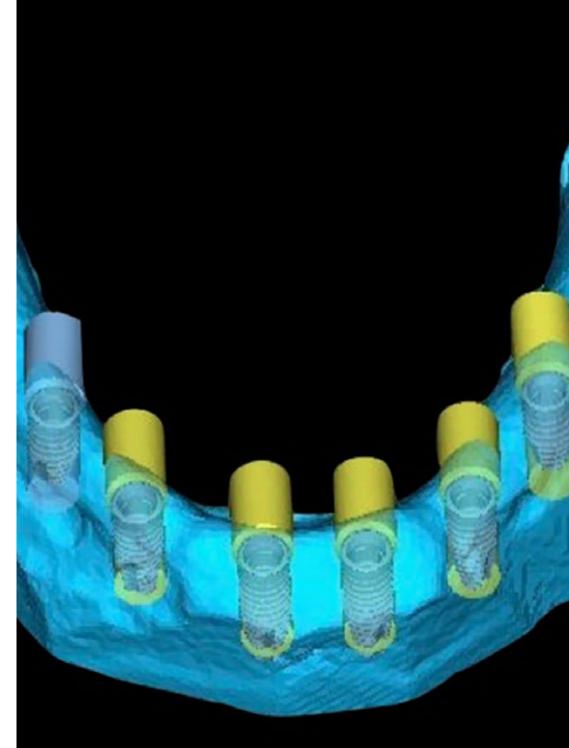
#### tech 20 | Skills



**General Skills** 

- Possess and understand knowledge in their field of study that builds on the foundation of general secondary education. While relying on advanced textbooks, it also includes some aspects that involve knowledge from the forefront of this field of study
- Apply their knowledge to their work or vocation in a professional manner and possess the skills usually demonstrated through the development and defense of arguments and problem solving within their field of study
- Gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical issues
- Convey information, ideas, problems and solutions to both specialized and nonspecialized audiences
- Develop the necessary learning skills to undertake further studies with a high degree of autonomy

You will have a library of multimedia resources, which you can access 24 hours a day, 7 days a week, from your computer with an Internet connection"



#### Specific Skills

- Explain the evolution of Implantology
- Describe and analyze the anatomy of the cranio-maxillary complex and the biology of osseointegration
- Perform data collection and examination of the patient for the medical history
- Identify the drugs needed in implant treatment
- Know how to apply radiological techniques for implant diagnosis
- Describe and perform the impression taking of patients with osseointegrated implants and the casting of impressions taken on dental implants
- · Know how to assemble clinical cases in the articulator
- Perform occlusal adjustment of implant prostheses
- Explain the aesthetic parameters and adjust them to the needs of each patient
- Explain the biological mechanisms of bone formation
- Describe and apply guided bone regeneration with membranes and lyophilized bone, as well as the technique of obtaining plasma rich in growth factors
- Perform surgical techniques for sinus lift, from both a lateral and crestal approach
- Perform immediate post-extraction implantology
- Perform the technique of bone grafting on the mandibular ramus and symphysis
- Explain the application of transitional implants

- Interrelate implant dentistry with the patient's medical pathologies and other dental specialties
- Manage complex and demanding clinical situations whether they are aesthetic or functional
- Apply surgical techniques to obtain primary stability of an implant
- Apply your knowledge to single teeth, partial bridges and immediately loaded restorations
- Perform the necessary occlusal adjustment in immediate loading
- Diagnose the periodontal alterations that can occur around implants
- Apply the techniques of soft tissue alveolar ridge augmentation and preprosthetic periodontal surgery
- Master the techniques of mucoperiosteal flap, epithelial and connective free gingival graft, pedicle grafting and connective tissue grafting, pedicle grafting and esthetic periodontal surgery
- Explain peri-implant maintenance techniques
- Knowing how to properly perform a diagnostic wax-up on the anatomy of the teeth
- Know how to make the necessary height plates for prosthetic rehabilitation
- Apply the necessary techniques for the preparation of working models
- Describe one- and two-stage surgical procedures and prepare the surgical field and master sterilization protocols

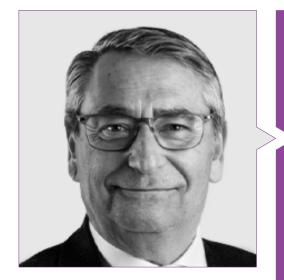
# 05 Course Management

TECH has assembled a management and teaching staff with extensive professional experience in the field of dentistry. This is reflected in the syllabus designed ad hoc for this program. In addition, thanks to their human quality and proximity, you will be able to solve any doubts you may have about the content of the program, thus achieving the successful attainment of your updating objectives.

You can rely on a group of professionals who will be available to answer your questions at all times"

#### tech 24 | Course Management

#### **Guest Director**



#### Dr. C. Tenenbaum, Howard

- Chief of Research in the Dental Service Mount Sinai Hospital, Canada
- Professor of Dentistry at the University of Toronto, Canada
- Professor of Periodontology at Tel Aviv University, Israel
- Professor of Periodontology at the University of Manitoba, Canada
- Specialist at Princess Margaret Hospital, Toronto, Canada
- Chief of Dentistry at Mount Sinai Hospital Toronto, Canada
- Consultant to the Food and Drug Administration (FDA), U.S.A
- Vice-Chairman of the Federal Advisory Committee on Dental Care of Canada
- Ph.D. in Oral Biology, University of Toronto, Canada
- Doctor of Dental Surgery from the University of Toronto, Canada
- Diploma in Periodontics, University of Toronto, Canada
- Fellowship of the International College of Dentists
- Fellowship of the Academy of Dentistry International
- Fellowship of the American College of Dentists
- Fellowship of the Pierre Fauchard Academy
- Member of: Editorial Board of The Open Orthopaedics Journal, Editorial Board of The Open Journal of Dentistry, College of Reviewers for the CIHR Canada Research Chairs Program Canadian Dental Association, Canadian and International Association for Dental Research, American Society for Bone and Mineral Research, American Academy of Periodontology, Ontario Society of Periodontologists

#### Management



#### Dr. García-Sala Bonmatí, Fernando

- Specialist Dentist in Rehabilitation, Periodontics and Advanced Oral Implantology at the Ilzarbe García Sala Clinic
- Co-director of the Master's Degree in Advanced Oral Implantology at the European University of Valencia (UEV)
- Associate Professor in the Department of Stomatology at the University of Valencia
- Professor of Oral Surgical Pathology at the UEV
- Official Master's Degree in Advanced Oral Implantology at the European University of Madrid
- Training in Mucogingival Surgery, taught by Dr. Zucchelli, at the University of Bologna in Italy
- Training in Bone Regeneration, given by Dr. Urban, in Budapest, Hungary
- Certificate in Advances in Implant Dentistry and Oral Rehabilitation from New York University School of Dentistry
- Degree in Dentistry
- Member of: ITI (International Team Implantology), The Spanish Society of Stomatological and Aesthetic Prosthetics (SEPES)

#### Professors

#### Dr. Sierra Sanchez, Jose Luis

- Specialist Dentist in Implant Surgery, Periodontics and Oral Rehabilitation in Comprehensive Dentistry Centers
- Master's Degree in Advanced Oral Implantology from the European University of Madrid of Madrid
- Certificate in Oral Surgery and Implantology from the Faculty of Dentistry of the University of Valencia
- Degree in Dentistry from the European University of Madrid
- \* Continuing Education Program in Implantology BTI Biotechnology Institute

#### Dr. Barberá Millán, Javier

- Specialist in Oral Surgery and Implantology in Implant Clinics
- \* Oral Surgeon and Implantologist at the Dental Clinic Dra. Ana Gascón
- \* Master's Degree in Oral Implantology from the Catholic University of Valencia (UCV)
- Expert in Advanced Oral Implantology
- Degree in Dentistry from the UCV
- Lecturer and Researcher in the Master's Degree in Oral Surgery and Implantology at the UCV

#### tech 26 | Course Management

#### Dr. Brotons Oliver, Alejandro

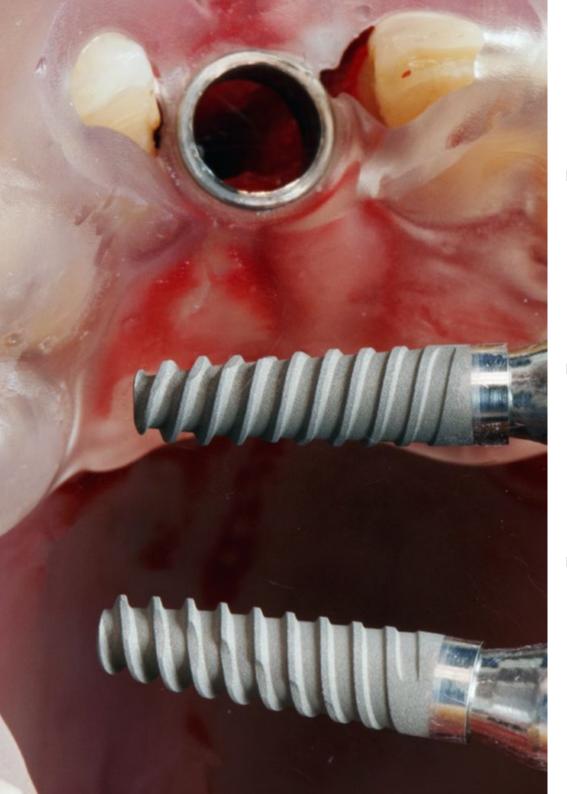
- Specialist in Surgery, Periodontics and Implants
- Director of the Department of Dentistry at the European University of Valencia (UEV)
- Director of the Master in Advanced Oral Implantology at UEV
- PhD in Dentistry from the University of Valencia
- \* Master's Degree in Oral Surgery and Implantology from the University of Valencia
- Training in Bone Regeneration by Dr. Urban in Budapest, Hungary
- Certificate in Advances in Implant Dentistry and Oral Rehabilitation from the New York University School of Dentistry
- Degree in Dentistry
- Member of SECIB and SEPES

#### Dr. De Barutell Castillo, Alfonso

- Specialist in Aesthetic Prosthetics and Implant Prosthetics
- \* Associate Professor of the course Dental Prosthesis I
- Professor of the Master in Dental Prosthetics
- \* Master in Dental Prosthesis and Implant Prosthesis at the University of Valencia
- \* Member of the Spanish Society of Dental Prosthetics (SEPES)
- \* Clinical stays in San Sebastian, Madrid, Lisbon and New York
- Degree in Dentistry

#### Dr. Manzanera Pastor, Ester

- Dentist Specialist in Surgery, Implantology and Aesthetic Dentistry at Clínica Dental Manzanera
- Director of the Master's Degree in Advanced Oral Implantology at the European University of Valencia (UEV)
- Coordinator of the SEPES Online Training Program
- Professor of Surgical Pathology at the UEV
- Lecturer in the Master's Degree in Prosthodontics at the Faculty of Dentistry at the University of Valencia (UV)
- Master's Degree in Dental Sciences
- Master's Degree in Integrated Dentistry, Implantology and Biomaterials from the University of Murcia
- Master's Degree in Advanced Implantology from the University of Murcia
- Master's Degree in Dental Sciences from UV
- Degree in Dentistry from the UV
- Member of the Board of Directors of the Spanish Society of Stomatological and Aesthetic Prosthesis (SEPES)
- Member of the Board of Directors of the Center for Odontostomatological Studies of Valencia



#### Course Management | 27 tech

#### Dr. Cabo Nadal, Alberto

- Dentist Specialist in Implantology
- Degree in Dentistry from the University of Valencia
- Degree in Dentistry from the University of Valencia (UV)
- Postgraduate Certificate in Dental prosthesis
- Continuing Education in Surgery, Implant Prosthodontics and Oral Rehabilitation
- Professor in charge of the Clinical Dental Practice at the European University of Valencia
- \* Member of the Spanish Society of Stomatological and Aesthetic Prosthesis (SEPES)

#### Dr. Plaza Espinosa, Andrés

- Dentist Specialized in Oral Implantology
- Degree in Dentistry from CEU Cardenal Herrera University
- Master's Degree in Oral Medicine and Oral Surgery from the University of Valencia (UV)
- Official Master's Degree in Dental Sciences from the UV
- Master in Dental Prosthesis by the UV
- \* Associate Professor of Prosthodontics II, Faculty of Dentistry, UV
- \* Collaborating Professor of the Master's Degree in Dental Prosthodontics, UV

#### Dr. Rodriguez-Bronchú, Javier

- Medical Director of RB Dental Clinic
- Specialist in Advanced Oral Surgery and Implantology
- Official Master's Degree in Advanced Oral Implantology at the European University
   of Madrid
- Master in Current Concepts in American Dentistry: Advances in Implantology and Oral Rehabilitation by New York College of Dentistry
- Degree in Dentistry from CEU Cardenal Herrera University

# 06 **Educational Plan**

The syllabus of this Hybrid Master has been prepared by an excellent teaching team, composed of professionals specialized in Implantology and Oral Surgery. This will allow the specialist to learn about the approach to the different oral pathologies, the most effective surgical techniques and the procedure for the realization of implants. This update will be facilitated by the multimedia teaching resources, available 24 hours a day, from any device with an internet connection. In addition, thanks to the practical stay, the professional will be able to apply directly, in a real environment, the concepts seen in this program.

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Thanks to the Relearning method, you will be able to advance in a natural way through the syllabus, reducing even the long hours of study and memorization"

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#### tech 30 | Educational Plan

#### Module 1. Diagnosis

- 1.1. Clinical History: First Visit, Anamnesis and Patient's Expectations
- 1.2. Medical Assessment of the Surgical Patient
  - 1.2.1. Complementary Tests in Implantology and Oral Surgery
- 1.3. Patient With Diseases of Risk in Implant Dentistry and Surgery: Medical Considerations and Dental Management
  - 1.3.1. Diabetic Patients
  - 1.3.2. Immunosuppressed Patients
  - 1.3.3. Patients Taking Anticoagulants
  - 1.3.4. The Medically Compromised Patient: Bisphosphonates
- 1.4. Anaesthetic Techniques in Surgery and Implantology
  - 1.4.1. Drugs:
  - 1.4.2. Loco-regional Anaesthesia Techniques in Surgery and Implantology
- 1.5. Sedation and General Anaesthesia

#### Module 2. Oral Surgery Pathology

- 2.1. Tooth Retention
  - 2.1.1. Concept, Etiology and Possible Treatment
- 2.2. Third Molar Included
  - 2.2.1. Pathology and Clinical Manifestations
  - 2.2.2. Diagnosis and Treatment
- 2.3. Pathology and Treatment of Included Canines
  - 2.3.1. Diagnosis
  - 2.3.2. Surgical Management
  - 2.3.3. Surgical-Orthodontic Treatment
- 2.4. Pre-prosthetic Surgery Techniques on Soft and Hard Tissue
  - 2.4.1. Techniques on Soft Tissue
  - 2.4.2. Techniques on Hard Tissue
- 2.5. Periapical Surgery
  - 2.5.1. Materials
  - 2.5.2. Techniques

#### Module 3. Implant Planning

- 3.1. Extraoral and Intraoral Examination
  - 3.1.1. Extraoral Examination: Symmetry, Facial Thirds, Extraoral Aesthetic Parameters
  - 3.1.2. Intraoral Examination: Hard Tissue, Soft Tissue, Occlusion and TMJ
- 3.2. Impression Taking and Study Models in Implantology
  - 3.2.1. Materials and Impression Techniques in Implant Diagnosis
  - 3.2.2. Facebow and Mounting on a Semi-Adjustable Articulator
- 3.3. Diagnostic Wax-Up and Radiological Splints
  - 3.3.1. Waxing Techniques and Clinical Considerations
  - 3.3.2. Radiological Splints: Classification and Laboratory Manufacturing
- 3.4. Radiological Diagnosis in Implantology
  - 3.4.1. Classification of Techniques
  - 3.4.2. Planning in 2D
  - 3.4.3. Cone beam computed tomography (CBCT): planning software
- 3.5. Photographic Records in Implantology
- 3.6. Presentation of a Treatment Plan Strategies

#### Module 4. Implantology and Osseointegration

- 4.1. Historical Review and Generic Terminology of Dental Implants
  - 4.1.1. Evolution of Implantology up to the 21st Century
  - 4.1.2. Generic Terminology of Dental Implants: Components and Nomenclature
- 4.2. Biology of Osseointegration:
  - 4.2.1. Inflammatory Phase
  - 4.2.2. Proliferative Phase
  - 4.2.3. Maturation Phase
  - 4.2.4. Contact and Remote Osteogenesis
- 4.3. Anatomy in Implantology
  - 4.3.1. Anatomy of the Upper Jaw
  - 4.3.2. Anatomy of the Mandible
- 4.4. Histology of Bone Tissue, Periodontium and Peri-implant Tissue
- 4.5. Bone Availability in Implantology
- 4.6. Preparation of the Surgical Field, Sterilization and Premedication Protocols
  - 4.6.1. Table Preparation
  - 4.6.2. Surgical Asepsis of the Patient: Premedication
  - 4.6.3. Surgical Asepsis of the Surgeon and Assistants

#### Educational Plan | 31 tech

#### Module 5. Basic Surgical Technique and Implantology

- 5.1. Incision Techniques in Implantology
  - 5.1.1. Incisions in a Total Edentulous Patient
  - 5.1.2. Incisions in a Partial Edentulous Patient
  - 5.1.3. Incisions in the Aesthetic Sector
  - 5.1.4. Incisions in Bone Guided Regeneration Techniques
  - 5.1.5. Flapless
- 5.2. Surgical Instruments Detachment, Separation and Bone Regulation
- 5.3. Drilling Techniques in Implantology
  - 5.3.1. Drills and Components of the Surgical Trays
  - 5.3.2. Sequential Drilling
  - 5.3.3. Biological Drilling
- 5.4. Single-Stage Implants and Two-stage Implants
- 5.5. Sutures in Implantology
  - 5.5.1. Suture Instruments and Materials
  - 5.5.2. Suture Techniques

#### Module 6. Biomaterials and Bone Guided Regeneration

- 6.1. Types of Bone Grafts and Biological Mechanisms of Bone Formation
  - 6.1.1. Classification, Advantages and Disadvantages
  - 6.1.2. Osteogenesis, Osteoconduction and Osteoinduction
- 6.2. Autologous Bone Grafts: Chin and Mandibular Ramus
- 6.3. Other Biomaterials in Bone Regeneration
  - 6.3.1. Homologous Grafts
  - 6.3.2. Heterologous Grafts
  - 6.3.3. Alloplastic Grafts
  - 6.3.4. Plasma Which Is Rich in Growth Factors
- 6.4. Membranes and Bone Guided Regeneration:
  - 6.4.1. Non-resorbable Membranes
  - 6.4.2. Resorbable Membranes

#### Module 7. Maxillary Sinus Lift

- 7.1. Diagnosis and Anatomical Recall of the Sinus Lift
- 7.2. Sinus Lift Technique Via the Crestal Approach
  - 7.2.1. Sinus Lift with Osteotome Technique
  - 7.2.2. Minimally Invasive Crestal Sinus Lift7.2.2.1. Atraumatic Drilling Kits7.2.2.2. Balloon Technique
- 7.3. Sinus Lift Technique Via the Lateral Approach
  - 7.3.1. Step by Step Description of the Technique
  - 7.3.2. Piezoelectric Systems
  - 7.3.3. Biomaterials in Maxillary Sinus Elevation

#### Module 8. Immediate Implantology

- 8.1. Post-extraction Implants
  - 8.1.1. Surgical Aspects of Immediate Implants 8.1.1.1. Immediate Implant
    - 8.1.1.2. Early Implant Placement
- 8.2. Immediate Implants in Posterior Sectors
- 8.3. Immediate Aesthetic
  - 8.3.1. Emergency Profile Transmission
  - 8.3.2. Immediate Provisional

#### Module 9. Advanced Surgical Techniques in Implantology

- 9.1. Crest Expansion
  - 9.1.1. Crest Expansion with Manual Instruments
  - 9.1.2. Crest Expansion with Motorized Instruments
- 9.2. Pterygoid Implants
- 9.3. Zygomatic Implants
- 9.4. Treatment with Dental Implants without Grafts
  - 9.4.1. Short Implants
  - 9.4.2. Narrow Implants
  - 9.4.3. Angled Implants

#### tech 32 | Educational Plan

#### Module 10. Periodontics Applied to the Treatment of the Implantology Patient

- 10.1. Basic Concepts of Periodontics Applied to a Patient With Implants
  - 10.1.1. Periodontal Diagnosis
  - 10.1.2. Prognosis and Treatment Plan
- 10.2. Mucogingival Procedures to Increase Keratinized Tissue
  - 10.2.1. Free Gingival Grafting
  - 10.2.2. Bilaminar Grafts
- 10.3. Mucogingival Procedures to Increase the Volume of Connective Tissue
  - 10.3.1. Subepithelial Free Grafts
  - 10.3.2. Pedicled Grafts
- 10.4. Alveolar Ridge Preservation Techniques
- 10.5. Implant Maintenance
  - 10.5.1. Hygiene Techniques
  - 10.5.2. Revisions and Maintenance in Implantology

#### Module 11. Implant Prosthesis

- 11.1. Restoration as a Guide to Global Implantology Treatment
  - 11.1.1. Nomenclature
- 11.2. Impression Taking in Implantology Work Models
  - 11.2.1. Impression Materials in Implantology
  - 11.2.2. Impression Techniques: Open or Closed Cuvette Impressions
  - 11.2.3. Pouring Impressions and Obtaining the Working Model
- 11.3. Selection of Abutments in Implantology
  - 11.3.1. Preformed Abutments
  - 11.3.2. Calcinable Abutments
  - 11.3.3. Cad-Cam Abutments
  - 11.3.4. Direct Prosthesis to Implant or on Transepithelials

- 11.4. Materials for Implant Prosthesis
  - 11.4.1. Porcelain Metal Prostheses
  - 11.4.2. Resin Metal Prostheses
  - 11.4.3. Zirconium Prosthesis
- 11.5. Screw-Retained Versus Cemented Prostheses
  - 11.5.1. Indications
  - 11.5.2. Advantages and Disadvantages
- 11.6. Color Acquisition
  - 11.6.1. Color Map, Color Guides and Colorimeters
  - 11.6.2. Color Acquisition Technique
- 11.7. Clinical Sequence for Implant Prosthetics on Single Crowns and Partial Bridges

#### Module 12. Implant Prosthesis in a Totally Edentulous Patient

- 12.1. Treatment Options for a Totally Edentulous Patient 12.1.1. Key Positions of Implants
- 12.2. Removable C
  - 12.2.2. Overdenture with Single Anchors
  - 12.2.3. Overdentures on Bars
  - 12.2.4. Clinical Sequence of Implant Prostheses in Totally Edentulous Patients Treated with Overdentures
- 12.3. Complete Fixed Restorations with Hybrid Prosthesis
  - 12.3.1. Concept
  - 12.3.2. Materials: Metal-Composite and Metal-Resin Fixed Prosthesis
  - 12.3.3. Clinical Sequence of Implant Prostheses in Totally Edentulous Patients Treated with Hybrid Prosthesis
- 12.4. Complete Fixed Restorations with Fixed Prosthesis
  - 12.4.1. Concept
  - 12.4.2. Metal-Porcelain-Zirconium
  - 12.4.3. Clinical Sequence of Implant Prostheses in Totally Edentulous Patients Treated with Fixed Prosthesis

#### Educational Plan | 33 tech

#### Module 13. Implant Prosthesis in the Anterior Aesthetic Sector

- 13.1. Problems of the Anterior Single Tooth
- 13.2. Aesthetics in Oral Restoration with Dental Implants
  - 13.2.1. Pink Aesthetic
  - 13.2.2. White Aesthetic
- 13.3. Aesthetic Parameters in Implantology
  - 13.3.1. Shape, Color, Dental Size
  - 13.3.2. Gingival Symmetry
- 13.4. Prosthodontic Management of the Immediate Postextraction Implant
  - 13.4.1. Indications and Contraindications
  - 13.4.2. Management of Temporaries in the Anterior Aesthetic Sector
  - 13.4.3. Prosthodontic Aspects of Immediate Provisionalization in Single Teeth: Immediate Aesthetics

#### Module 14. Computer Guided Surgery and Immediate Loading

- 14.1. Introduction and General Considerations in Immediate Loading
  - 14.1.1. Parameters and Selection of Patient with Immediate Loading
- 14.2. Computer-Guided Surgery
  - 14.2.1. Guided Surgery Software
  - 14.2.2. Guided Surgery Splints: Mucosal, Dental and Bone Support
  - 14.2.3. Surgical Components Adapted to Computer-Guided Surgery
  - 14.2.4. Surgical Techniques in Computer-Guided Surgery
- 14.3. Transitional Implants, Implants as Anchorage in Orthodontics and Mini Implants
  - 14.3.1. Transitional implants
  - 14.3.2. Mini-screws and orthodontic anchorage with dental implants
- 14.4. Prosthodontic aspects of immediate loading
  - 14.4.1. Immediate loading of single implants
  - 14.4.2. Differential aspects of unitary and partial cases
  - 14.4.3. Immediate loading in total endentulism

#### Module 15. Occlusion in Implantology

- 15.1. Occlusal Patterns in Implant Dentistry
  - 15.1.1. Occlusion in a Totally Edentulous Patient
  - 15.1.2. Occlusion in a Partially Edentulous Patient
- 15.2. Occlusal Splints
- 15.3. Occlusal Adjustment and Selective Grinding

#### Module 16. Complications in Implantology

- 16.1. Emergencies and Complications in Implant Surgery: What Are They and How Do You Solve Them?
  - 16.1.1. Immediate Complications
  - 16.1.2. Late Complications
- 16.2. Prosthesis Complications in Implantology
- 16.3. Biological Complications: Peri-implantitis
  - 16.3.1. Concept
  - 16.3.2. Diagnosis
  - 16.3.3. Non-Surgical and Surgical Treatment
  - 16.3.4. Informed Consent and Legal Consequences



A program that will allow you to learn the most effective solutions to the main dental complications that arise in emergency cases"

# 07 Clinical Internship

Once the theoretical phase is completed, the professional will enter a leading clinical center, where they will have a 3-week clinical stay. This way, they will be able to apply from the first day the latest techniques and procedures in the field of Implantology and Oral Surgery.

You will have the opportunity to perform a real practice and address real situations that require your judgment to perform a dental graft"

#### tech 36 | Clinical Internship

Implantology and Oral Surgery undoubtedly require a practical execution by professionals, which leads to the improvement of techniques. That is why this Hybrid Master includes a practical stay in a prestigious clinical environment. Thus, during 3 weeks, from Monday to Friday with 8 consecutive hours, the professional will be tutored by a specialist in this field. This will allow them to see real patients alongside a team of reference professionals, applying the most innovative protocols and procedures in this area.

Throughout the duration of the program, the student will have the opportunity to complete a set of activities that involve improving their surgical skills and the treatment of patients who require a dental prosthesis. Likewise, they will learn the protocols for performing an operation of this type and the process for filling out a clinical history.

This academic institution thus offers a real and unique practical experience, which will introduce the professional from the first moment in an excellent clinical environment, surrounded by the best specialists. This will allow them to integrate the new health processes in an innovative space, where the professionals' skills will be perfected.

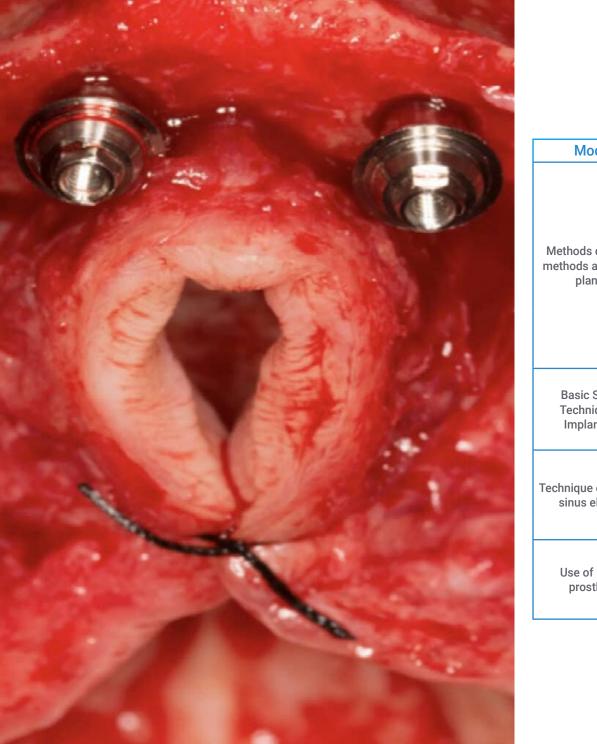
The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for praxis.

The practical part will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of the professors and other training partners that facilitate teamwork and multidisciplinary integration as transversal competences for the praxis of dentistry (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the internship, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

A specialized and experienced professional will accompany you during your internship to show you the surgical protocols used in first level clinical centers"

## Clinical Internship | 37 tech



Module	Practical Activity		
Methods diagnostic	Provide support in the medical evaluation of the surgical patient		
	Collaborate in the performance of amnesic techniques in surgery and implantology		
	Perform sedation and general anesthesia		
	Assist in the performance of extra- and intraoral examination		
	Practice impression techniques in implantology diagnostics		
methods and implant planning	Perform wax-up techniques and clinical considerations		
	Make radiological splints		
	Perform radiological diagnostics in implantology: 2D planning and cone beam computed tomography (CBCT)		
	Prepare the surgical field taking into account sterilization and premedication protocols and premedication		
	Assist in performing incision techniques in implantology.		
Basic Surgical Technique and Implantology	Assist in the use of drilling technique in implantology: sequential and biological drilling		
	Provide support in the performance of suturing techniques		
	Practice the different surgical alternatives used in implantology		
	Contribute to the diagnosis of the maxillary sinus		
Technique of maxillary	Perform sinus elevation with osteotome technique		
sinus elevation	Collaborate in minimally invasive sinus elevation by crestal approach: utraumatic drilling kits and balloon technique		
	Provide support in performing sinus lift technique by lateral approach		
	Perform impression techniques: open or closed tray impressionists		
Use of implant	Perform removable complete rehabilitations		
prostheses	Perform fixed complete rehabilitations with hybrid prosthesis and with fixed prosthesis		
	Use pink and white aesthetics in oral rehabilitations with dental implants		

## tech 38 | Clinical Internship

## **Civil Liability Insurance**

The main concern of this institution is to guarantee the safety of both the trainees and the other collaborating agents required in the practical training processes in the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



## **General Conditions of the Internship Program**

The general terms and conditions of the internship program agreement shall be as follows:

1. TUTOR: During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE**: If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor. **4. CERTIFICATION:** Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

# 08 Where Can I Do the Clinical Internship?

TECH provides professionals with prestigious centers where they can carry out the practical phase. For this, it takes into account the equipment and instruments used in the center, as well as the excellent human team that integrates it. With all this, the professional will be guaranteed access to a clinical environment, which will allow them to achieve the knowledge update they are looking for.

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## Where Can I Do the Clinical Internship? | 41 tech

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You have a unique opportunity to receive an update in a prestigious clinical center carefully selected by TECH"

## tech 42 | Where Can I Do the Clinical Internship?

The student will be able to do this program at the following centers:



Clínica Go Gaztambide	
Country Spain	City Madrid
Management: Calle de Gaztambide, 52, bajo derecha, 28015 Madrid	
Dental and aest	hetic care center
Related internship programs: - Periodontics and Mucogingival Surgery - Orthodontics and Dentofacial Orthopedics	
	214



Clínica dental Sainz de Baranda 39	
Country	City
Spain	Madrid
Management: C/ del Alcalde Sainz de Baranda, 39, 28009 Madrid	
Specialized general dentistry clinic in prosthetics, dental esthetics and periodontics.	

Related internship programs: - Implantology and Oral Surgery



#### **Rivera Odontólogos**

Country	City
Spain	Madrid

Management: Calle Puentedeume, Av. los Castillos, 6, Local (esquina, 28925 Alcorcón, Madrid)

Dental clinic specialized in Oral Surgery, Orthodontics, Periodontics and Endodontics.

> Related internship programs: - Implantology and Oral Surgery - Periodontics and Mucogingival Surgery



#### Centro Odontoclínico Integral

Country	City
Spain	Madrid

Management: Calle Puerto de los Leones, 2 Planta primera, oficina 10, 28220 Majadahonda, Madrid

Comprehensive Care Dental Center

Related internship programs: - Implantology and Oral Surgery





## Where Can I Do the Clinical Internship? | 43 tech

Country

Spain



Dentelis

Country Spain City Madrid

Management: Av. de la Libertad &, C. Inspector Juan Antonio Bueno, 28924 Alcorcón, Madrid

Dental care clinic with clinical and aesthetic services.

Related internship programs: - Implantology and Oral Surgery



Arte Sano Dental

City Valencia

Management: Passeig de la Ciutadella, 11, 46003 Valencia

Dental center specialized in implantology and oral and dental treatment

Related internship programs: - Implantology and Oral Surgery - Dental Clinic Management and Direction



#### **Buba Clínicas Dentales**

Country	City
Spain	Madrid

Management: Calle Villanueva, 33 local derecha, Madrid 28001

Dental clinic expert in the promotion of oral health

Related internship programs: -Oral Medicine -Implantology and Oral Medicine



#### Clínica Max Dental

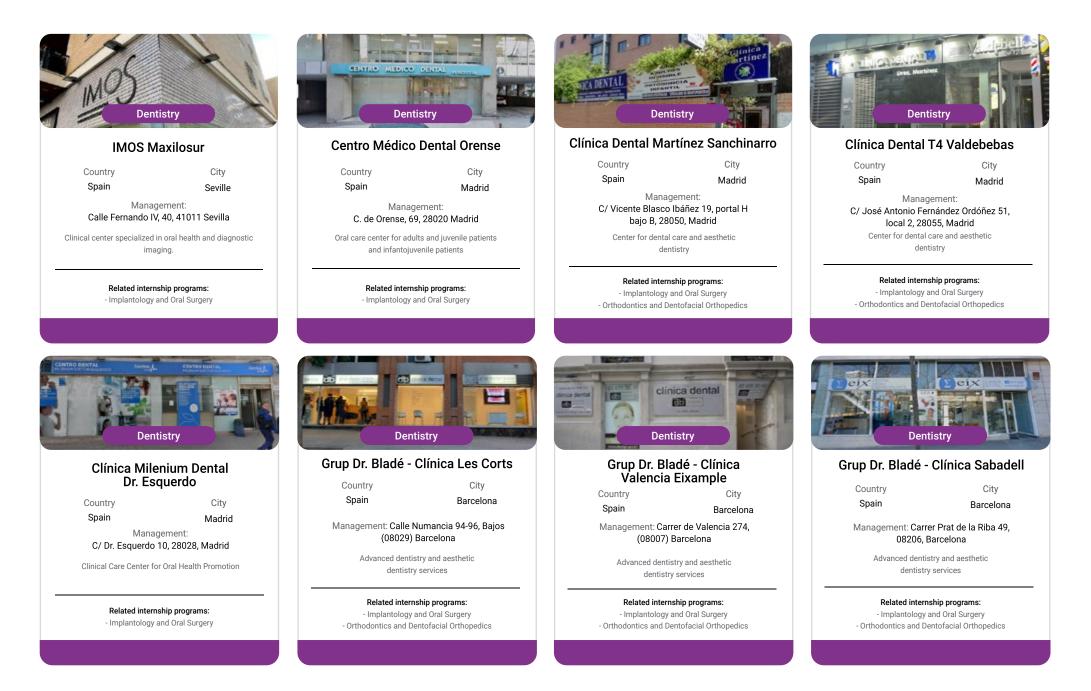
Country	City
Spain	Madrid

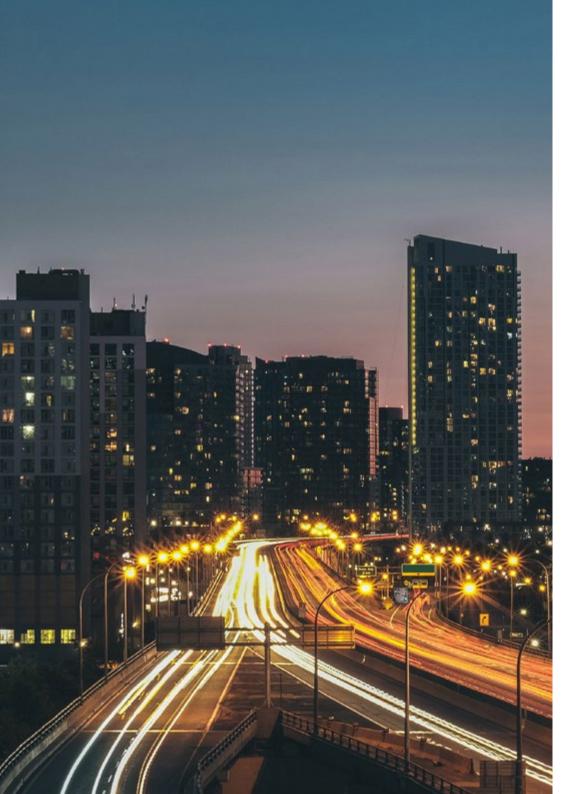
Management: Calle Zurbano, 39 local 28010

Center for the promotion of oral health specialized in aesthetics

Related internship programs: - Implantology and Oral Surgery - Orthodontics and Dentofacial Orthopedics

## tech 44 | Where Can I Do the Clinical Internship?





## Where Can I Do the Clinical Internship? | 45 tech



#### Grup Dr. Bladé - Clínica Paris Eixample

Country City Spain Barcelona

Management: Carrer de Paris 127, 08036, Barcelona

Advanced dentistry and aesthetic dentistry services

Related internship programs: - Implantology and Oral Surgery - Orthodontics and Dentofacial Orthopedics



#### Sevilla Dental

Country City Spain Seville

Management: C. Reyes Católicos, 15 Derecha, 41001 Sevilla

Clinical care clinic for oral health promotion

Related internship programs: - Orthodontics and Dentofacial Orthopedics - Endodontics and Apical Microsurgery



#### Clínica Dental Diseño Sonrisa

Almería

City

Country

Spain

Management: Av. del Sabinar, 80, 04740 Roquetas de Mar

Oral health and aesthetics care center

Related internship programs: - Endodontics and Apical Microsurgery - Implantology and Oral Surgery



#### **Clínica Dental Los Bermejales**

Country	City
Spain	Seville

Management: Avenida Del Reino Unido Local, Esquina, C. Colonia, 41012 Sevilla

Center for oral health care and esthetic dentistry and aesthetic dentistry

Related internship programs: - Orthodontics and Dentofacial Orthopedics - Endodontics and Apical Microsurgery

## tech 46 | Where Can I Do the Clinical Internship?



Clínica Dental Ruzafa Country City Spain Valencia

Management: Calle de Pere III el Gran, 8, Bjo. Ruzafa, 46005 València, Valencia

Center for dental care and dental esthetics

Related internship programs: - Implantology and Oral Surgery - Orthodontics and Dentofacial Orthopedics



Clínica de Implantología Oral

Country City Spain Madrid

Management: Calle de José Alix Alix, 18, 28830, San Fernando de Henares, Madrid

> Health Care Entity and oral aesthetics

Related internship programs: - Implantology and Oral Surgery



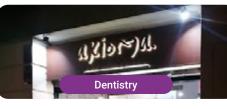
#### Clínica Dr Dopico

Country	City
Spain	Asturias

Management: C. de la Libertad, 1, 1ºB, 33180 Noreña, Asturias

Center for dental care and dental aesthetics

Related internship programs: - Adhesive Aesthetic Dentistry - Dental Clinic Management and Direction



#### Axioma Estudi Dental

Country	City
Spain	Barcelona

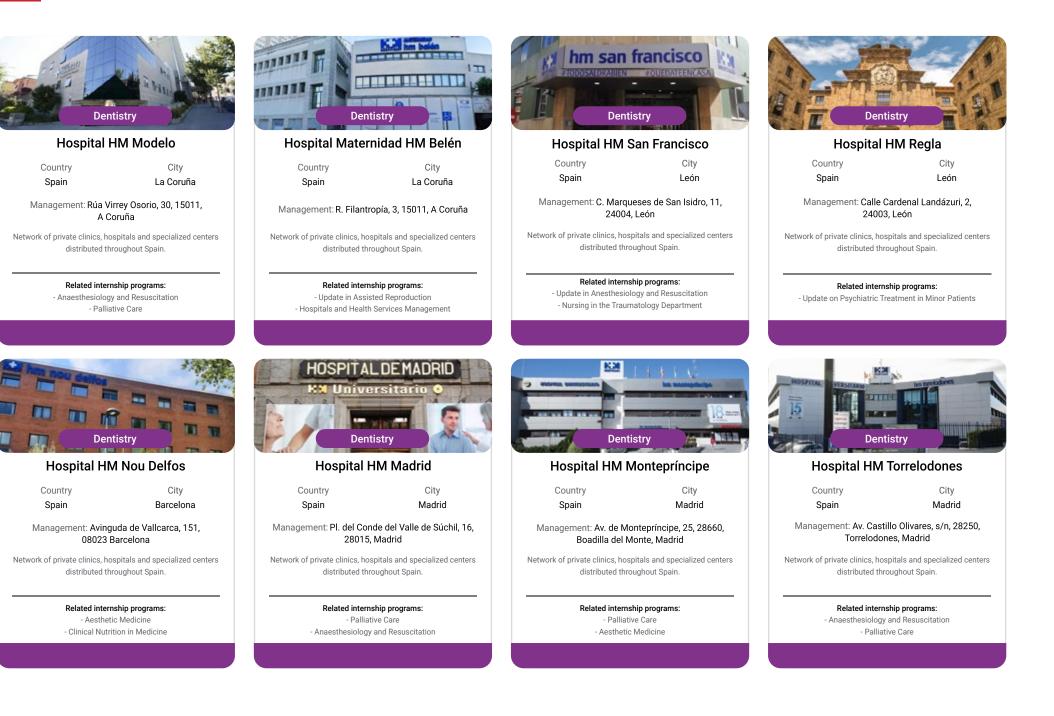
Management: C. de Viladomat, 123, 08015, Barcelona

Dental and aesthetic dentistry clinic

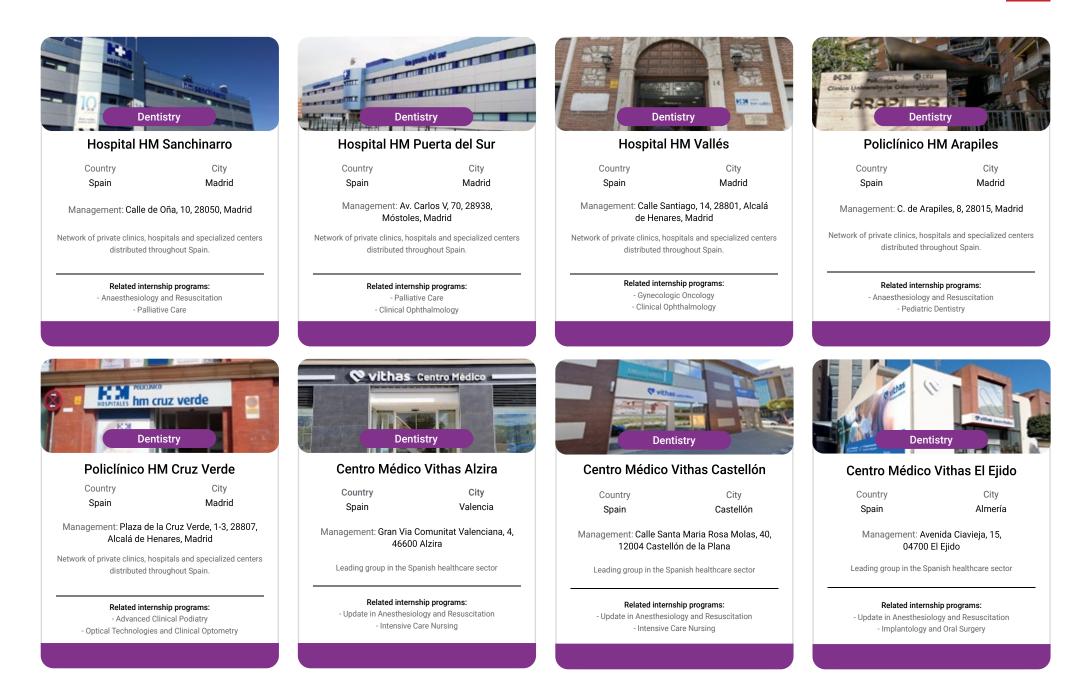
Related internship programs: - Implantology and Oral Surgery -Oral Medicine



## Where Can I Do the Clinical Internship? | 47 tech



## tech 48 | Where Can I Do the Clinical Internship?



## Where Can I Do the Clinical Internship? 49 **tech**



#### Centro Médico Vithas Fuengirola

Country City Spain Malaga

Management: Avenida de Ramón y Cajal, s/n, 29640 Fuengirola

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



Country	City
Spain	Malaga

Management: Calle Antonio Ferrandis, 'Edificio Chanquete', 5, 29780 Málaga

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Centro Médico Vithas La Rosaleda

Country City Spain Malaga

Management: Paseo Martiricos, Estadio de Fútbol La Rosaleda s/n, 29011 Málaga

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing

Vithas Medical Centre

Dentistry

Centro Médico Vithas Playa Serena

Management: Avenida de Playa Serena, 40, 04740

Roquetas de Mar

Leading group in the Spanish healthcare sector

Related internship programs:

- Intensive Care Nursing

- Update in Anesthesiology and Resuscitation

Country

Spain

City

Almería



#### Centro Médico Vithas Limonar

Country Spain

City Malaga

Management: Calle la Era, 6, 29016 Málaga

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Centro Médico Vithas Pontevedra

Country	City
Spain	Pontevedra

Management: Avenida Eduardo Pondal, 68, 36003 Pontevedra

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing

Dentistry

#### Centro Médico Vithas Lleida

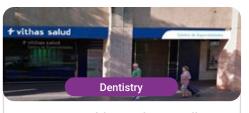
Country	City
Spain	Lérida
Manager	nent:
Avenida de Tortosa	4. 25005 Lleida

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing

## tech 50 | Where Can I Do the Clinical Internship?





Centro Médico Vithas Sevilla

Country City Spain Seville

Management: Calle Enramadilla, 8, 41018 Sevilla

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Centro Médico Vithas Torre del Mar

Country City Spain Malaga

Management: Calle San Andrés, 23, 29740 Torre del Mar

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Centro Médico Vithas Torremolinos

Country City Spain Malaga Management:

Calle Hoyo, 15, 29620 Torremolinos

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Centro Médico Vithas Vitoria

City

Álava

Country		
Spain		

Management: Avenida Beato Tomás de Zumárraga, 1, 01008 Vitoria

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Centro Médico Vithas Madrid Aravaca

Country	City
Spain	Madrid

Management: Calle La Salle, 12, 28023 Madrid

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Hospital Universitario Vithas Madrid Arturo Soria

Country	City
Spain	Madrid

Management: C. de Arturo Soria, 103, 28043 Madrid

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Hospital Universitario Vithas La Milagrosa

Country	City
Spain	Madrid

Management: Calle Modesto Lafuente, 14, 28010 Madrid

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing

## Where Can I Do the Clinical Internship? | 51 tech



City

Valencia

#### **Hospital Vithas Aguas Vivas**

Country Spain

Management: Carretera Alzira-Tavernes de Valldigna, CV-50 Km 11, 46740 Carcaixent

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Hospital Vithas Alicante Country City Spain Alicante

Management: Plaza Dr. Gómez Ulla, 15, 03013 Alicante

Leading group in the Spanish healthcare sector

Related internship programs: - Endodontics and Apical Microsurgery - Implantology Oral Surgery



#### Hospital Vithas Almería

Country City Spain Almería

Management: Carretera del Mami, Km 1, 04120 Almería

Leading group in the Spanish healthcare sector

Related internship programs: - Intensive Care Nursing - Update in Anesthesiology and Resuscitation



#### Hospital Vithas Castellón

Country Spain City Castellón

Management: Calle Santa Maria Rosa Molas, 25, 12004 Castellón de la Plana

Leading group in the Spanish healthcare sector

Related internship programs: - Intensive Care Nursing - Endodontics and Apical Microsurgery



#### Hospital Vithas Granada

Country	City
Spain	Granada

Management: Avenida de Santa María de la Alhambra, 6, 18008 Granada

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Hospital Vithas Las Palmas

Country City Spain Las Palmas

Management: Calle León y Castillo, 292, 35005 Las Palmas de Gran Canaria

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### **Hospital Vithas Lleida**

Country	City
Spain	Lérida
Manage	
Calle Bisbe Torres, 13, 25002 Lleida	

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Hospital Vithas Málaga

Country	City
Spain	Malaga

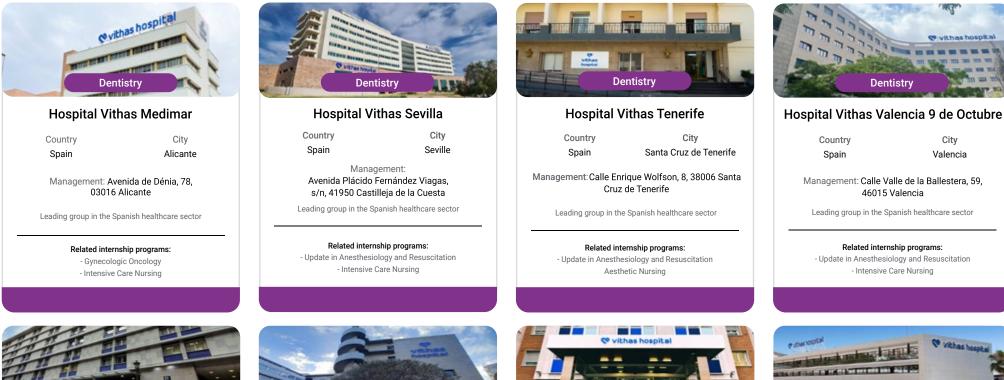
Management: Avenida Pintor Sorolla, 2, 29016 Málaga

Leading group in the Spanish healthcare sector

Related internship programs:

- Update in Anesthesiology and Resuscitation - Intensive Care Nursing

## tech 52 | Where Can I Do the Clinical Internship?





#### Hospital Vithas Valencia Consuelo

City

Valencia

Country	
Spain	

Management: Calle Callosa d'En Sarrià, 12, 46007 Valencia

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### Hospital Vithas Vigo

Country	City
Spain	Pontevedra

Management: Via Norte, 48, 36206 Vigo

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing



#### **Hospital Vithas Vitoria**

Country	City
Spain	Álava

Management: Calle Beato Tomás de Zumárraga, 10, 01008 Vitoria-Gasteiz

Leading group in the Spanish healthcare sector

Related internship programs: - Endodontics and Apical Microsurgery - Implantology Oral Surgery



#### **Hospital Vithas Xanit** Internacional

Country	City
Spain	Malaga

Management: Avenida de los Argonautas, s/n, 29631 Benalmádena

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing

## Where Can I Do the Clinical Internship? | 53 tech



Instituto Oftalmológico Vithas EuroCanarias

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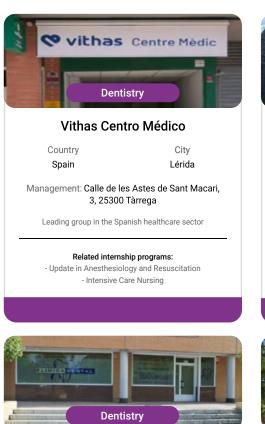
Las Palmas

Country Spain

Management: Calle León y Castillo, 211, 35005 Las Palmas de Gran Canaria

Leading group in the Spanish healthcare sector

Related internship programs: - Intensive Care Nursing - Update in Anesthesiology and Resuscitation





Country	City
Spain	Madrid

Management: Avenida Doctor García Tapia 157, 28030 Moratalaz

Dental Rojas is a clinical space specialized in Implantology, Oral Surgery, Aesthetics and Orthodontics.

Related internship programs: - Implantology and Oral Surgery - Endodontics and Apical Microsurgery



#### Vithas Internacional

Country City Spain Madrid Management:

Calle Arturo Soria, 107, 28043 Madrid

Leading group in the Spanish healthcare sector

Related internship programs: - Update in Anesthesiology and Resuscitation - Intensive Care Nursing

Dentistry

Clínica Modo Dental

Management: C. del Marqués de la Valdavia,

72, 28100 Alcobendas, Madrid

Modo Dental, characterized by using the latest

technology in oral health.

Related internship programs:

Adhesive Aesthetic Dentistry

- Updated Pediatric Dentistry

City

Madrid

Country

Spain



#### Pérez Llanes Clínica Dental

Country City Spain Murcia

Management: Av. Miguel Ángel Blanco, N°28, 1°C, 30010 Murcia

Pérez Llanes Dental Clinic specializing in Implantology, Oral Surgery and Prosthodontics.

> Related internship programs: - Implantology and Oral Surgery



#### CEOS-Formación en Implantología

Country	City
Spain	Madrid

Management: Calle de Canarias, 7, 28045 Madrid

CEOS-Training in Implantology is a clinic specialized in implantology based on clinical excellence and demanding methodologies.

> Related internship programs: - Management of Dental Clinics - Implantology and Oral Surgery

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#### **Opal Dental Clinic**

Country	City
Spain	Barcelona

Management: Passeig de Sant Joan 119, 08037 Barcelona

Dental clinic specialized in dental treatments, aesthetic solutions and implants.

Related internship programs: - Implantology and Oral Surgery - Periodontics and Mucogingival Surgery

## tech 54 | Where Can I Do the Clinical Internship?

City

Madrid



Relaxdent

Country Spain

Management: Calle Suero de Quiñones, 7, 28002 Madrid

The Relaxdent clinic more than 30 years in Oral Implantology

Related internship programs: - Implantology and Oral Surgery - Periodontics and Mucogingival Surgery



#### **Clínica Dental Doctores Pina**

City

Country Barcelona Spain

Management: Travessera de les Corts, 82, 08028 Barcelona

years of experience in 40 Clínica Dental Pina with more than .dental treatments

> Related internship programs: - Implantology and Oral Surgery -Comprehensive Aesthetic Medicine for Dentists



#### Clínica Lledó

Country	City
Spain	Madrid

Management: Calle del Príncipe de Vergara, 97, 28006 Madrid

Clínica Lledó is a center specialized in implantology and adhesive aesthetics

Related internship programs: - Implantology and Oral Surgery



#### Instituto Dental Espinassi & Happy Smile Clinic

Country	City
Spain	Madrid

Management: Calle de Goya, 99 escalera A, 1D, 28009 Madrid

20 years of experience committed to oral health care

Related internship programs: - Implantology and Oral Surgery - Orthodontics and Dentofacial Orthopedics





## Where Can I Do the Clinical Internship? | 55 tech



#### **Dental Perfect Eduardo Molina**

Country City Mexico Mexico City

Management: Av. Victoria Oriente N. 4010 Esquina Av. Ing. Eduardo Molina. Col. Gertrudis Sánchez 2a Sección del Gustavo a Madero. CP. 07830

Chain of centers specialized in dentistry and its multiple clinical specialties.

Related internship programs: - Implantology and Oral Surgery - Periodontics and Mucogingival Surgery



#### **Dental Perfect Tenayuca**

Country	City
Mexico	Mexico

Management: Av. Tlalnepantla Nº 212. Col. Valle Ceylan. C.P. 54150 EDOMEX entre Av. Jesús Reyes Heroles y Calle Aguascalientes

Chain of centers specialized in dentistry and its multiple clinical specialties.

Related internship programs: - Endodontics and Apical Microsurgery - Periodontics and Mucogingival Surgery



#### **Dental Perfect Circuito Interior**

Country	City
Mexico	Mexico City

Management: Av. Instituto Técnico Industrial no. 63 col. Santa María la Ribera. del. Cuauhtemoc C.P 6400 CDMX

Chain of centers specialized in dentistry and its multiple clinical specialties.

Related internship programs: - Implantology and Oral Surgery - Periodontics and Mucogingival Surgery

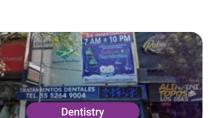


#### Dental Perfect Gustavo Baz

Country	City
Mexico	Mexico
Management: Av. Xocoyahualco Tlalnepantla Nº 44, local A, Col. Gustavo Baz. CP. 54080 Edomex	
Chain of centers specialized in dentistry and its multiple clinical specialties.	

Related internship programs: - Orthodontics and Dentofacial Orthopedics - Periodontics and Mucogingival Surgery

## tech 56 | Where Can I Do the Clinical Internship?



## Country City Mexico Mexico City

Management: Av. Insurgentes Sur. Nº 366. Col. Roma Norte del. Cuauhtemoc. C.p. 06700 CDMX

Chain of centers specialized in dentistry and its multiple clinical specialties.

#### Related internship programs:

- Orthodontics and Dentofacial Orthopedics - Periodontics and Mucogingival Surgery



#### Smile Center

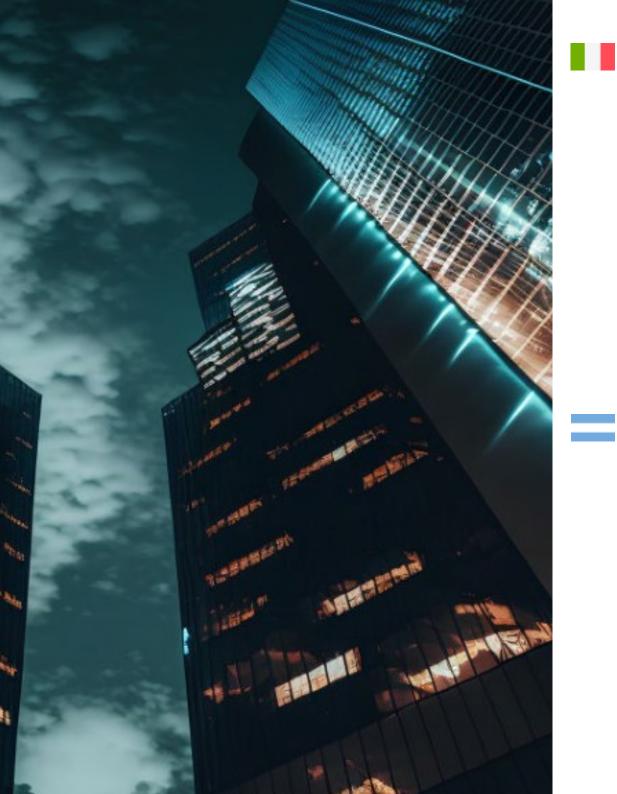
Country	City
Mexico	Mexico City

Management: TAMPICO 8 COLONIA CONDESA CUAUHTÉMOC 06700 CDMX

Chain of centers specialized in dentistry and its multiple clinical specialties.

Related internship programs: - Endodontics and Apical Microsurgery - Implantology and Oral Surgery





## Where Can I Do the Clinical Internship? | 57 tech





#### Sanatorio Central Banda

Country Argentina City Santiago del Estero

Management: Amadeo Jacques N° 175 4300, La Banda , Santiago del Estero

Clinical center for comprehensive inpatient and surgical care

Related internship programs: - Hepatology -Nursing in the Neurology Service

# 09 **Methodology**

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.** 

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

## tech 60 | Methodology

### At TECH we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the dentist's professional practice.

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

#### The effectiveness of the method is justified by four fundamental achievements:

- 1. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
- 2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
- 4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## tech 62 | Methodology

### **Relearning Methodology**

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

The student will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



## Methodology | 63 tech

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 115,000 dentists with unprecedented success, in all specialties regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



## tech 64 | Methodology

This program offers the best educational material, prepared with professionals in mind:



#### **Study Material**

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

20%

15%

3%

15%

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### **Educational Techniques and Procedures on Video**

TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### **Interactive Summaries**

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

## Methodology | 65 tech



#### **Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

20%

7%

3%

17%



#### **Testing & Retesting**

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

# 10 **Certificate**

This Hybrid Professional Master's Degree in Implantology and Oral Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Global University.



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Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

## tech 68 | Certificate

This program will allow you to obtain your **Hybrid Professional Master's Degree diploma in Implantology and Oral Surgery** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

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This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

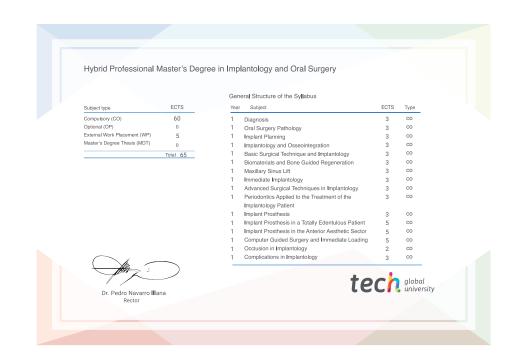
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Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

Recognition: 60 + 5 ECTS Credits



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

tecn global university Hybrid Professional Master's Degree Implantology and Oral Surgery Modality: Hybrid (Online + Clinical Internship) Duration: 12 months Certificate: TECH Global University 60 + 5 ECTS Credits

Hybrid Professional Master's Degree Implantology and Oral Surgery

