



Postgraduate Diploma

Oral Implantology

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

 $We b site: {\color{blue}www.techtitute.com/in/dentistry/postgraduate-diploma/postgraduate-diploma-oral-implantology} \\$

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06 Certificate





tech 06 | Introduction

This, along with the great scientific and technical development that has occurred within this field, explains why a large percentage of research and subsequent publications in the dental world have focused on this subject. This makes the overall impact factor much higher than that of any other area of dentistry.

A large percentage of research and subsequent publications in the dental world have focused on this subject. This makes the overall impact factor much higher than that of any other area of dentistry.

This has meant that dental prosthesis treatments have undergone an important conceptual change due to the clinical success and predictability of dental implants. This has provided the possibility of offering the patient, in many cases, a third dentition on the jaws. This is capable of replacing the lost teeth both functionally and aesthetically without treatment or overloading of the neighboring teeth, and in a fixed form.

Therefore, in the prosthodontic treatment of patients with tooth loss, we have to combine the classic concepts and knowledge of oral rehabilitation with the new concepts of implant anchorage, distribution of forces (biomechanics) and preservation of osseointegration (the principle by which the titanium implant is joined to the bone).

The knowledge acquired will allow the student to face working life from a more qualified position, giving them a clear advantage when it comes to finding a job, since they will be able to offer the application of the latest technological and scientific advances in implant-prosthetic rehabilitation.

This **Postgraduate Diploma in Oral Implantology** contains the most complete and upto-date scientific program on the market The most important features include:

- The development of clinical cases presented by experts in the different dental specialties
- Its graphic, schematic and practical contents, with which they are conceived, gather
 a scientific and practical information on those disciplines that are indispensable for
 professional practice.
- The latest developments on Oral Implantology
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- With special emphasis on evidence-based dentistry and research methodologies in oral implantology
- Content that is accessible from any fixed or portable device with an Internet connection



Expand your knowledge through the Postgraduate Diploma in Oral Implantology, in a practical way and adapted to your needs"



This Postgraduate Diploma is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Oral Implantology, you will obtain a qualification endorsed by TECH Technological University"

Its teaching staff includes health professionals belonging to the field of dentistry, who share their work experience in this program, as well as renowned specialists belonging to leading scientific societies.

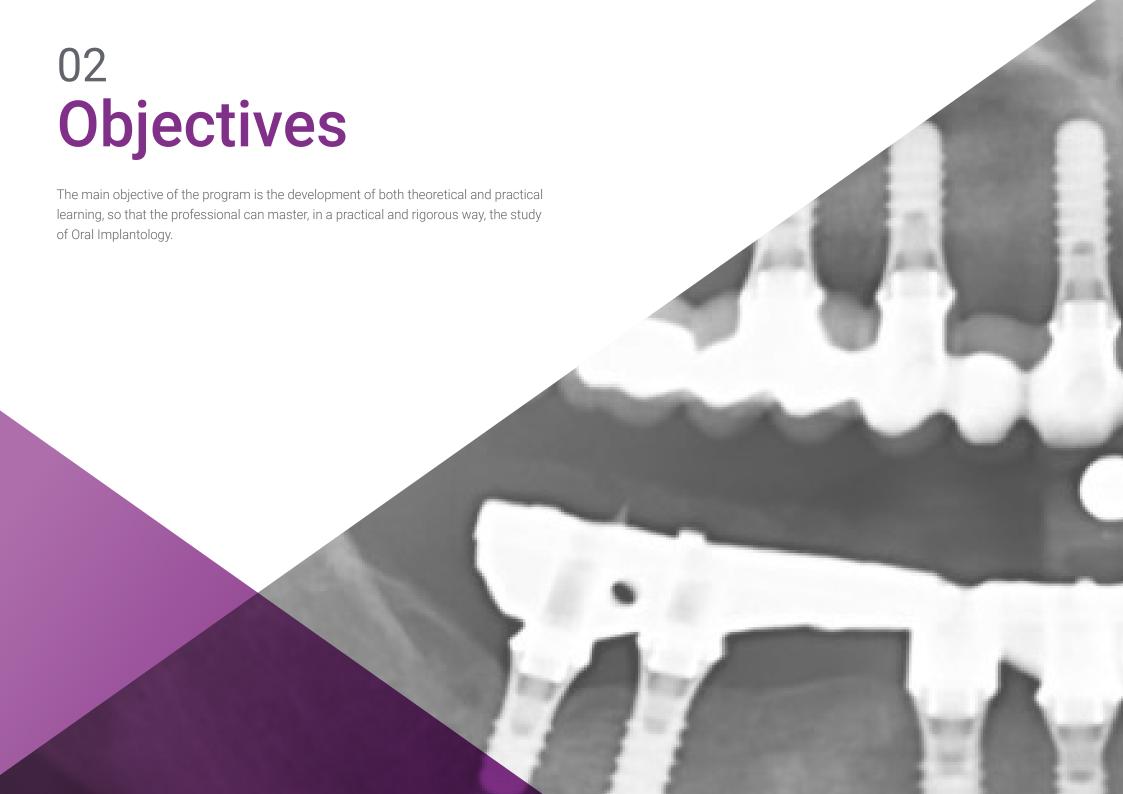
The multimedia content developed with the latest educational technology will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive training program to train in real situations.

The design of this program is based on Problem-Based Learning, through which the dentist must try to solve the different situations of professional practice that arise throughout the academic course. For this purpose, they will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of the dentistry with extensive teaching experience.

This Postgraduate Diploma offers education in simulated environments, which provides an immersive learning experience designed to train for real-life situations.

It includes clinical cases to bring the program as close as possible to the reality of care in dentistry.







tech 10 | Objectives



General Objectives

- Update the theoretical and practical knowledge of dental professionals in the different areas of oral surgery and implantology through evidence-based dentistry.
- Promote work strategies based on a multidisciplinary approach towards patients who are potential candidates for oral surgery or restoration with dental implants.
- Encourage the learning of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online workshops for simulation and/or specific specialization.
- Encourage professional stimulation through continued specialization and research.



Make the most of the opportunity and take the step to get up-to-date on the latest developments in Oral Implantology"





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.
- In-depth analysis of 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. Implant Planning

- Describe the anatomy of the cranio-maxillary complex: surgical and implant 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 implantation procedure

Module 3. 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 4. Basic Surgical Technique and Implantology

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

Module 5. Implant Prosthesis

- Perform complete rehabilitation processes, vertical dimension alterations, etc
- Identify 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



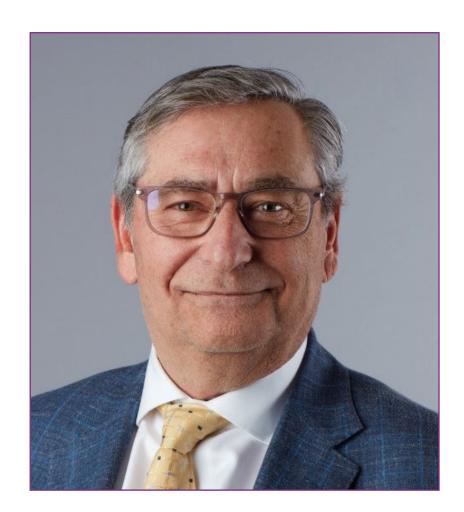


International Guest Director

As one of the foremost members of the dental field, Dr. Howard C. Tenenbaum has lectured internationally on topics as diverse as Orofacial Pain, Bone Cell Biology and the treatment of Refractory Periodontal Disease. He has received numerous recognitions, including distinguished fellowships from the International College of Dentists, the Academy of Dentistry International, the American College of Dentists and the Pierre Fauchard Academy.

He has also received several awards for his research work, distinguished by Johnson & Johnson, as well as for his teaching at Mount Sinai Hospital. Precisely her dental research accumulates an H index of 52, with thousands of citations to his articles, highlighting his work in the study of the effects of resveratrol on oxidative stress during experimental periodontitis in rats subjected to cigarette smoke inhalation.

He combines his academic responsibilities as professor of dentistry at the University of Toronto with his work as a dental specialist at the Mount Sinai Hospital in Canada. It was in this same center where he held various management positions, being head of research of the dental service and at the same time responsible for the same service. Throughout his career he has served on various committees and associations, including the editorial boards of The Open Orthopaedics Journal and The Open Journal of Dentistry.



Dr. C. Tenenbaum, Howard

- Professor of Dentistry, University of Toronto, Canada.
- Head of Research at the Mount Sinai Hospital Dental Service, Mount Sinai Hospital, Canada
- Professor of Periodontology, Tel Aviv University, Israel
- Professor of Periodontology, University of Manitoba, Canada
- Specialist at Princess Margaret Hospital, Toronto, Canada
- Head of Dentistry, Mount Sinai Hospital, Toronto, Canada
- Consultant to the U.S. 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 Periodontists



Thanks to TECH, you will be able to learn with the best professionals in the world"

Management



Dr. García-Sala Bonmatí, Fernando

- Degree in Dentistry
- Associate Professor, University of Valencia, Department of Stomatology
- Master's Degree in Advanced Implantology from the European University of Madrid
- Certificate in Advances in Implantology and Oral Rehabilitation from the New York University College of Dentistry New York, USA
- Former professor and codirector of the Master's Degree in Advanced Implantology at the European University of Valencia Valencia, Spain
- Former professor of Oral Surgical Pathology at the European University of Valencia. Valencia, Spain
- ITI (International team Implantology) member
- Member of the Spanish Society of Prosthetics, Stomatology and Aesthetics (SEPES)
- Fellowship in bone regeneration with Dr Carlo Tinti Brescia, Italy
- Training in Dr Zucchelli Mucogingival Surgery at the University of Bologna Bologna, Italy
- Training in Periodontal Regeneration, Dr Cortellini Florence, Italy
- Training in Bone Regeneration, Dr Urban Budapest, Hungary
- Various publications in JCR, national and international speaker
- Private Practice Surgery, Periodontics and Implants



Dr. Brotons Oliver, Alejandro

- Degree in Dentistry
- PhD in Dentistry from the University of Valencia
- Master's Degree in Oral Surgery and Implantology from the University of Valencia
- Certificate in Advances in Implantology and Oral Rehabilitation from the New York University College of Dentistry New York, USA
- Former professor and codirector of the Master's Degree in Advanced Implantology at the European University of Valencia Valencia, Spain
- Former professor of Oral Surgical Pathology at the European University of Valencia. Valencia, Spain
- Former professor of Oral Surgery Pathology UCV Cardenal Herrera University. Valencia, Spain
- Member of the Spanish Society of Prosthetics, Stomatology and Aesthetics (SEPES) and the Spanish Society of Oral Surgery (SECIB)
- Fellowship in bone regeneration with Dr Carlo Tinti Brescia, Italy
- Training in Bone Regeneration, Dr Urban Budapest, Hungary
- Various publications in JCR, national and international speaker
- Private Practice Surgery, Periodontics and Implants

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Professors

Dr. Plaza Espi, Andrés

- Degree in Dentistry from Cardenal Herrera University CEU in Valencia
- Master's Degree in Oral Medicine and Surgery from the University of Valencia 2010-2011
- Master's Degree in Dental Sciences from the University of Valencia 2011-2012
- Master's Degree in Dental Prosthesis from the University of Valencia 2009
- Associate professor of Prosthesis II at the Faculty of Dentistry, University of Valencia
- Professor of the Master's Degree in Dental Prosthesis at the University of Valencia

Dr. Manzanera Pastor, Ester

- Degree in Dentistry from the University of Valencia
- 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 the University of Valencia
- Professor of Surgical Pathology at the European University of Valencia
- Private Practice in Surgery, Implantology and Aesthetics

Dr. Sierra Sanchez, Jose Luis

- Degree in Dentistry from the Complutense University Madrid (1996 2001)
- Master's Degree in Advanced Implantology from the European University of Madrid. CAV 2010-2012
- Certificate in Advances in Implantology and Oral Rehabilitation from the New York University
- Certificate in Oral Surgery and Implantology from the Faculty of Dentistry at the University of Valencia (2009)
- Continuing education program in Implant Dentistry BTI institute (2002-2003)
- Private Practice in Surgery and Advanced Implantology

Dr. García Dalmau, Carlos

- Degree in Medicine and Surgery. University of Valencia
- Degree in Dentistry University of Valencia
- Master's Degree in Oral Surgery and Implantology University of Valencia
- Professor of the Master's Degree in Advanced Implantology, European University of
- Valencia (2010- 2016)
- Professor of Oral Surgery Pathology European University of Valencia (2010-2016)
- Member of the Spanish Society of Prosthetics, Stomatology and Aesthetics (SECIB)
- Private Practice Surgery, Periodontics and Implants

Dr. Cabo Nadal, Alberto

- Degree in Dentistry University of Valencia 1994- 1999
- Postgraduate Degree Diploma in Dental Prosthesis, 3rd Edition 1999-2000, University of Valencia
- Further training in Surgery, Implant Prosthesis and Oral Reconstruction
- Dr. Eduardo Anitua. Vitoria, 2001
- Associate Professor of the Teaching Unit of Prosthodontics and Occlusion. University of Valencia
- Professor of Master's Degree in Dental Prosthesis University of Valencia
- Professor in charge of dental clinical practice at the European University of Valencia (2012-2015)

Dr. Lagos Flores, Elena

- Degree in Dentistry from the University of Valencia in 2004
- Master's Degree in Dental Prosthetics at the U.V. 2005-2006
- Collaborating professor of the Teaching Unit of Prosthodontics and Occlusion in the period 2004-2008 and associate professor from 2008 to 2016.

Dr. Rodriguez-Bronchú, Javier

- Degree in Dentistry from Cardenal Herrera University (CEU) (2002-2007)
- Master's Degree in Advanced Implantology European University of Madrid. (2008-2010)
- Master's Degree in "Current Concepts in American Dentistry: Advances in Implantology and Oral
- Rehabilitation" New York College of Dentistry. New York. (2008-2010)
- Medical Director of RB Dental Clinic
- Private Practice in Surgery and Advanced Implantology

Dr. Mellado Valero, Ana

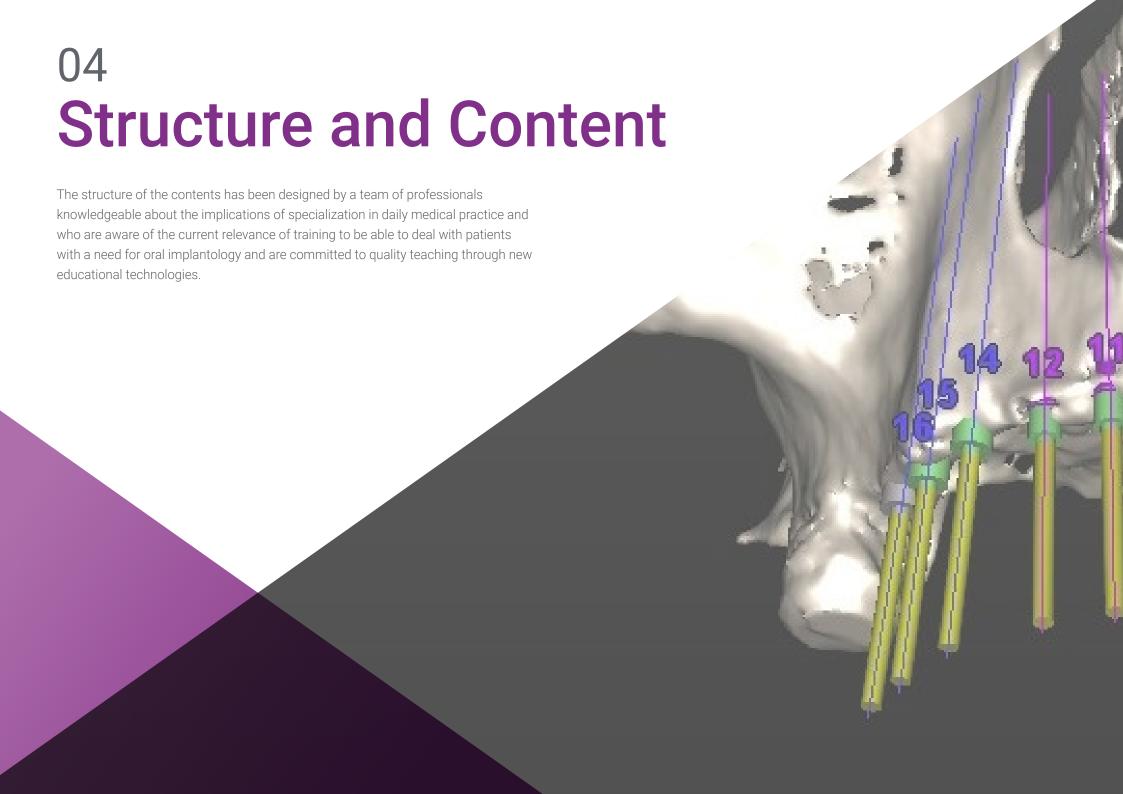
- PhD in Dentistry U.V
- Private Practice in Prosthodontics and Implants. Valencia
- Collaborating professor in different post-graduate programs

Dr. De Barutell Castillo, Alfonso

- Degree in Dentistry 1998-2003
- Associate professor in Dental Prosthetics I, University of Valencia, since 2007.
- Professor of the Master's Degree in Dental Prosthetics at the University of Valencia
- Master's Degree in Dental Prosthesis and Implant Prosthesis at the University of Valencia 2004-2005
- Author of several national publications and papers
- Member of the Spanish Society of Dental Prosthetics (SEPES) since 2005
- Clinical residencies in San Sebastian, Madrid, Lisbon, New York
- Exclusive Private Practice Aesthetic Prosthetics and Implant Prosthetics in Valencia

Dr. Barberá Millán, Javier

- Master's Degree in Oral Implantology from the Catholic University of Valencia (UCV).
- Professor and researcher at (UCV).
- Currently studying a PhD in Dentistry at the UCV.
- Exclusive private practice in Implantology.





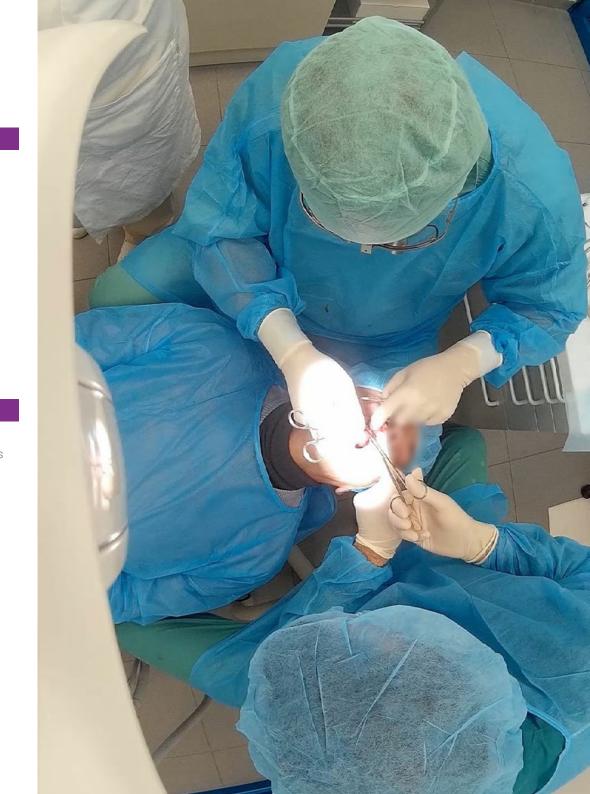
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Module 1. Diagnosis

- 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. Implant Planning

- 2.1. Extraoral and Intraoral Examination
 - 2.1.1. Extraoral Examination: Symmetry, Facial Thirds, Extraoral Aesthetic Parameters
 - 2.1.2. Intraoral Examination: Hard Tissue, Soft Tissue, Occlusion and TMJ
- 2.2. Impression Taking and Study Models in Implantology
 - 2.2.1. Materials and Impression Techniques in Implant Diagnosis
 - 2.2.2. Facebow and Mounting on a Semi-Adjustable Articulator
- 2.3. Diagnostic Wax-Up and Radiological Splints
 - 2.3.1. Waxing Techniques and Clinical Considerations
 - 2.3.2. Radiological Splints: Classification and Laboratory Manufacturing
- 2.4. Radiological Diagnosis in Implantology
 - 2.4.1. Classification of Techniques
 - 2.4.2. Planning in 2D
 - 2.4.3. Cone Beam Computed Tomography (CBCT): Planning Software
- 2.5. Photographic Records in Implantology
- 2.6. Presentation of a Treatment Plan Strategies



Module 3. Implantology and Osseointegration

- 3.1. Historical Review and Generic Terminology of Dental Implants
 - 3.1.1. Evolution of Implantology up to the 21st Century
 - 3.1.2. Generic Terminology of Dental Implants: Components and Nomenclature
- 3.2. Biology of Osseointegration
 - 3.2.1. Inflammatory Phase
 - 3.2.2. Proliferative Phase
 - 3.2.3. Maturation Phase
 - 3.2.4. Contact and Remote Osteogenesis
- 3.3. Anatomy in Implantology
 - 3.3.1. Anatomy of the Upper Jaw
 - 3.3.2. Anatomy of the Mandible
- 3.4. Histology of Bone Tissue, Periodontium and Peri-implant Tissue
- 3.5. Bone Availability in Implantology
- 3.6. Preparation of the Surgical Field, Sterilization and Premedication Protocols
 - 3.6.1. Table Preparation
 - 3.6.2. Surgical Asepsis of the Patient: Premedication
 - 3.6.3. Surgical Asepsis of the Surgeon and Assistants

Module 4. Basic Surgical Technique and Implantology

- 4.1. Incision Techniques in Implantology
 - 4.1.1. Incisions in a Total Edentulous Patient
 - 4.1.2. Incisions in a Partial Edentulous Patient
 - 4.1.3. Incisions in the Aesthetic Sector
 - 4.1.4. Incisions in Bone Guided Regeneration Techniques
 - 4.1.5. Flapless
- 4.2. Surgical Instruments Detachment, Separation and Bone Regulation
- 4.3. Drilling Techniques in Implantology
 - 4.3.1. Drills and Components of the Surgical Trays
 - 4.3.2. Sequential Drilling
 - 4.3.3. Biological Drilling
- 4.4. Single-stage Implants and Two-stage Implants
- 4.5. Sutures in Implantology
 - 4.5.1. Suture Instruments and Materials
 - 4.5.2. Suture Techniques

Module 5. Implant Prosthesis

- 5.1. Restoration as a Guide to Global Implantology Treatment
 - 5.1.1. Nomenclature
- 5.2. Impression Taking in Implantology Work Models
 - 5.2.1. Impression Materials in Implantology
 - 5.2.2. Impression Techniques: Open or Closed Cuvette Impressions.
 - 5.2.3. Pouring Impressions and Obtaining the Working Model
- 5.3. Selection of Abutments in Implantology
 - 5.3.1. Preformed Abutments
 - 5.3.2. Calcinable Abutments
 - 5.3.3. Cad-Cam Abutments
 - 5.3.4. Direct Prosthesis to Implant or on Transepithelials
- 5.4. Materials for Implant Prosthesis
 - 5.4.1. Porcelain Metal Prostheses
 - 5.4.2. Resin Metal Prostheses
 - 5.4.3. Zirconium Prosthesis
- 5.5. Screw-Retained Versus Cemented Prostheses
 - 5.5.1. Indications
 - 5.5.2. Advantages and Disadvantages
- 5.6. Color Acquisition
 - 5.6.1. Color Map, Color Guides and Colorimeters
 - 5.6.2. Color Acquisition Technique
- 5.7. Clinical Sequence for Implant Prosthetics on Single Crowns and Partial Bridges



A unique, key, and decisive master's degree experience to boost your professional development"



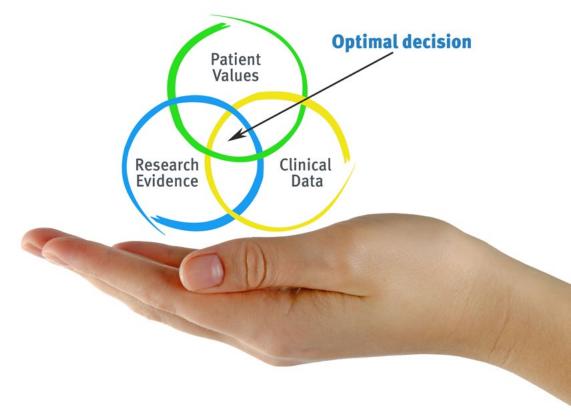


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At TECH we use the Case Method

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:

- 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.





Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

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 | 29 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.

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.

These contents are then adapted in 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

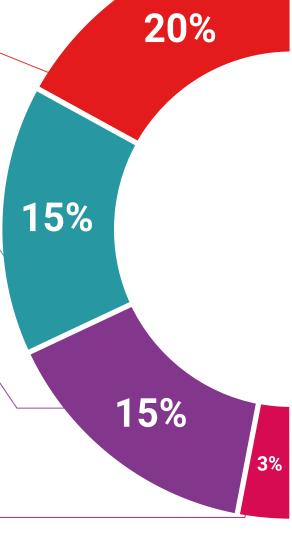
TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times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





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

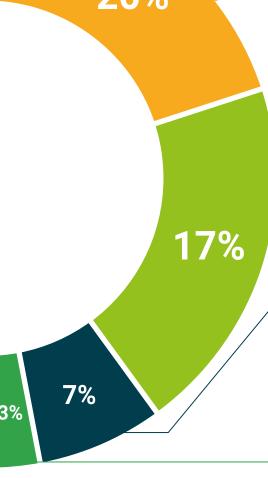
There is scientific evidence suggesting that observing third-party experts can be useful.

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.







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This **Postgraduate Diploma in Oral Implantology** contains the most complete and upto-date scientific program on the market

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University via tracked delivery**.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: Postgraduate Diploma in Oral Implantology

Official No of Hours: 500



technological university Postgraduate Diploma Oral Implantology » Modality: online » Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Exams: online

» Schedule: at your own pace

