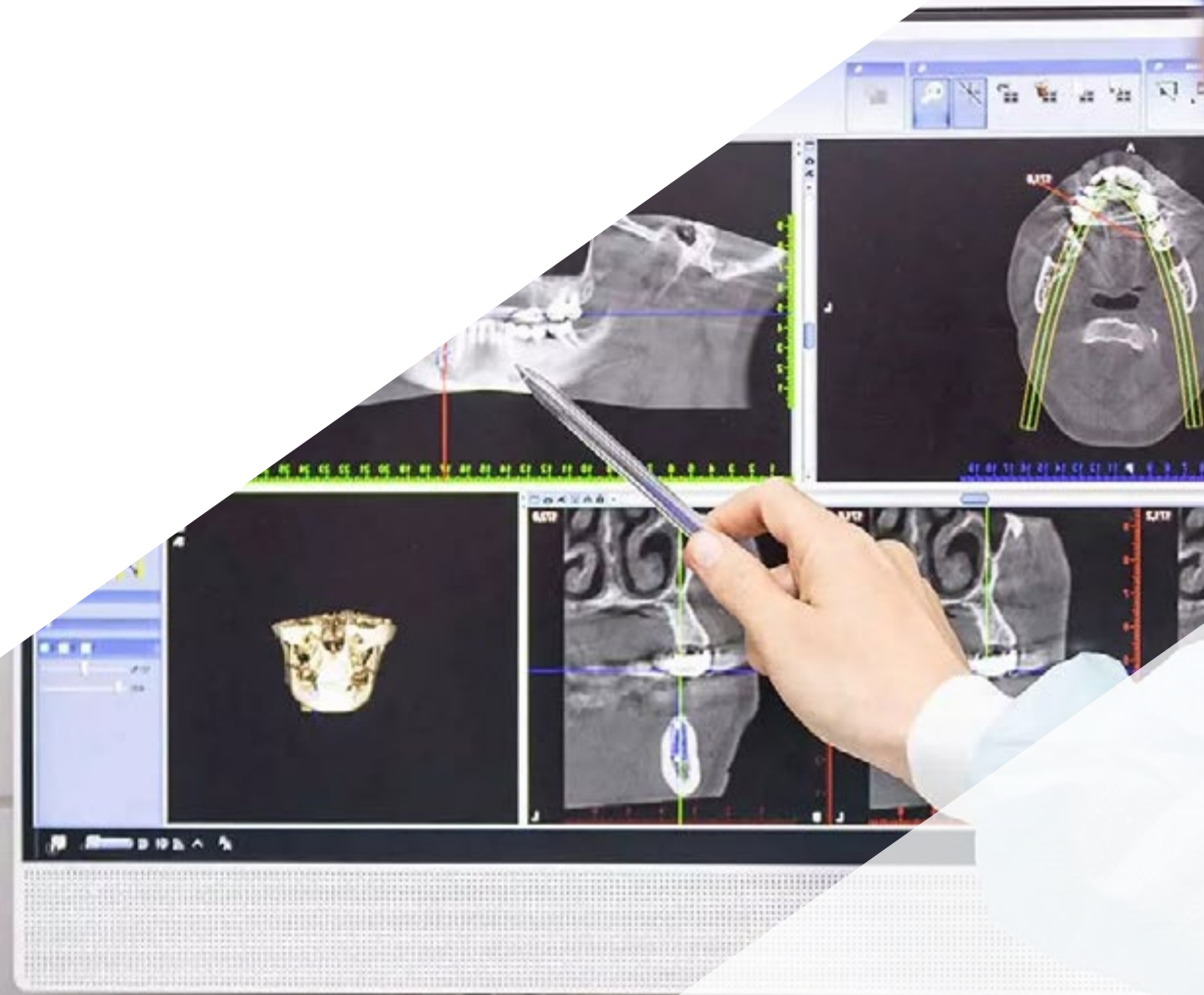


Postgraduate Certificate Guided Dental Surgery





Postgraduate Certificate Guided Dental Surgery

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/dentistry/postgraduate-certificate/guided-dental-surgery

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01

Introduction

New technologies have brought significant advances to all areas, including the dental field. Now, in order to carry out a process or intervention, it is necessary to resort to digital tools such as images, software and management tools. The implementation of these elements not only facilitates the surgical procedure, but also speeds it up and offers more satisfactory results. To this extent, the professional in the area should be aware of these new cases that are being implemented, in order to update their knowledge and offer their patients a more complete method. In view of this, TECH has launched the following program in order to provide the most up-to-date and rigorous information. All this in a convenient 100% online format and easily accessible from any device with an Internet connection.



“

Get up-to-date with new dental updates used in highly complex surgical procedures”

Guided dental surgery is a process that over the years has been simplified to the point of becoming a less invasive procedure. To this end, new technologies such as software, imaging tests and intelligent devices have been implemented to speed up the process and make it more effective. To this extent, the professional in the area must know what these new tools are, as well as their methods of use and results in the short, medium and long term.

This has prompted TECH to create the Postgraduate Certificate in Guided Dental Surgery. Inside, the professional in the field will find up-to-date and rigorous information on new additions to clinical tools and their methods of employability. They will also delve into aspects such as digitalization, implant design, the new benefits granted by technology and the planning required to carry out any intervention.

All this informative material will be hosted in the virtual campus, which the professionals will be able to access from any device with Internet connection, having the opportunity to combine their daily routine with the updating of their knowledge. In addition, you will find audiovisual resources, complementary readings and practical exercises that will place you in real and simulation scenarios, having to face the current challenges imposed by the field.

It should be noted that the program has the participation of experts and specialists, who have jointly deposited in the study material all their knowledge and years of experience. In this way, the dentists will have access to exclusive and state-of-the-art material, allowing them to keep up with the latest updates.

This **Postgraduate Certificate in Guided Dental Surgery** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Guided Dental Surgery
- ♦ 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
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



Get up to speed with the new BSB software tools used in immediate implantation"

“*Download the content of this program on your everyday device to review the study material at your preferred times*”

A 100% online program that allows you to combine your daily routine with the acquisition of new knowledge.

You will delve into new occlusal splint design processes using the BSP digital workflow.

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 immersive education programmed to learn 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 during the educational year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.



02 Objectives

One of TECH's main objectives when developing a program is the selection of educational subjects that allow professionals to enhance their skills and abilities in order to achieve their work goals. In this sense, the Relearning methodology has been implemented in the development of the program, in this way guaranteeing a practical process based on real cases. Therefore, as the graduates progress through the educational compendium, they will not only update their knowledge, but will also acquire new tools to implement them in their healthcare work.



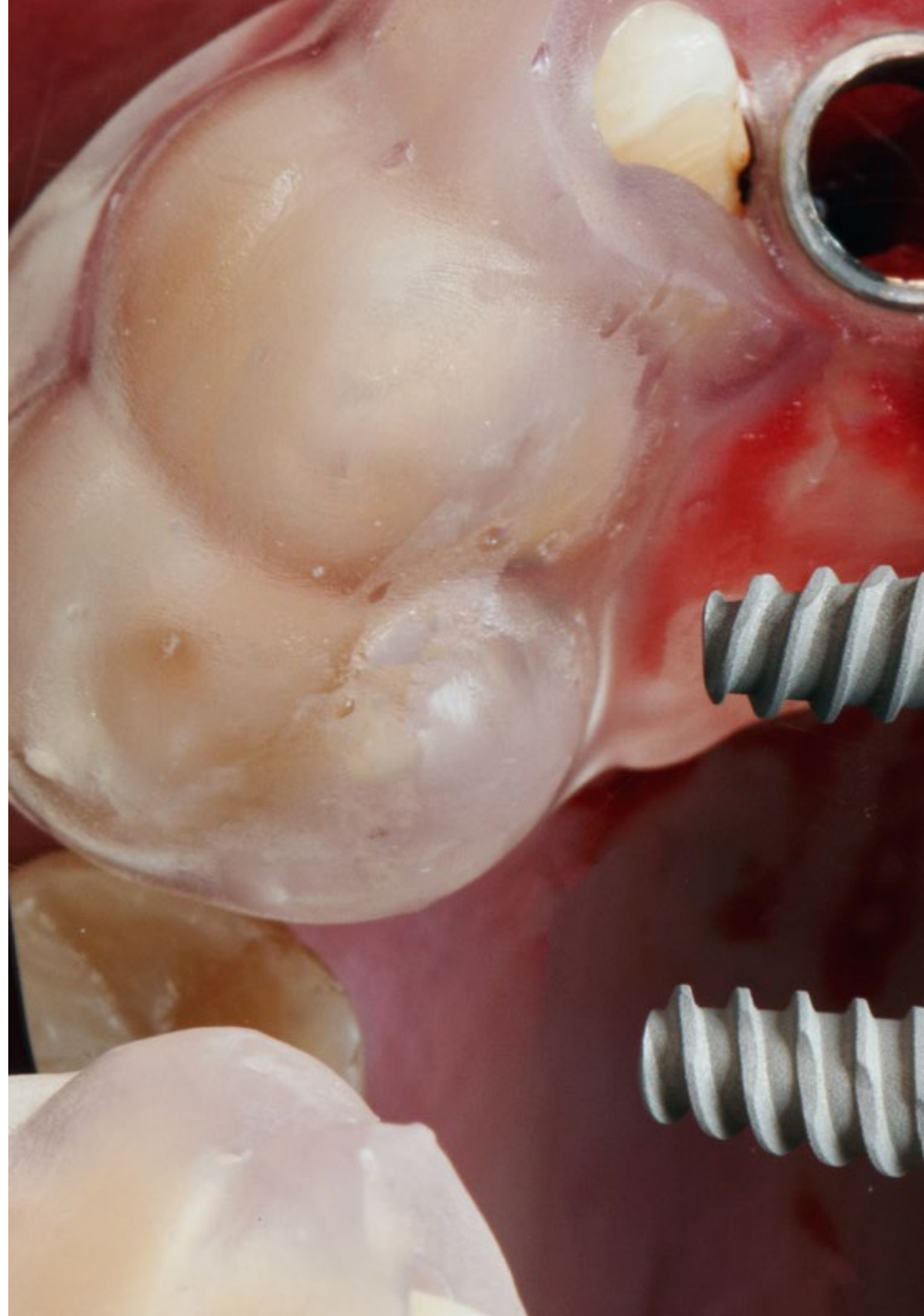
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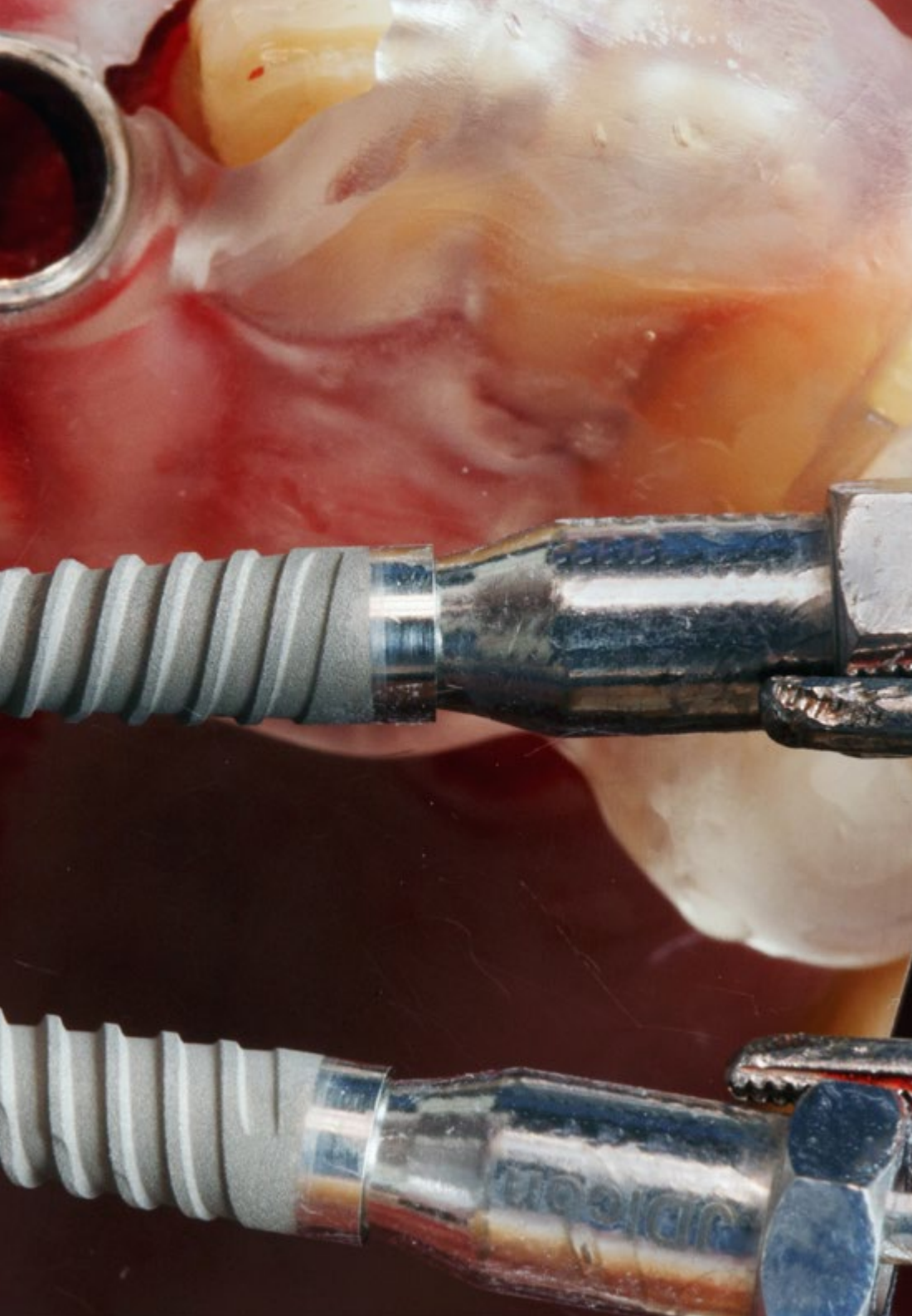
You will be up-to-date in a sector that is booming and in great demand at the clinical level”



General Objectives

- Increase the professional's knowledge of the application of digital technologies in the diagnosis, treatment and planning of clinical cases
- Know the techniques of digital orthodontics and computer-guided implant planning
- Develop skills in interdisciplinary communication and collaboration in teamwork, using digital technology as a tool
- Examine the application of acquired knowledge in clinical practice, in this way improving the quality of patient care





Specific Objectives

- ◆ Understand the basic concepts of guided surgery and digital planning in Dentistry
- ◆ Use digital tools for guided surgery planning, such as computed tomography (CT), magnetic resonance imaging (MRI), and design software
- ◆ Know the techniques and protocols for performing virtual surgical planning, including three-dimensional (3D) reconstruction of the dental and maxillofacial anatomy
- ◆ Understand the importance of pre-planning in the success of guided surgery and patient satisfaction



TECH will introduce you to the latest imaging technology used in guided surgery"

03

Course Management

To ensure rigorous and up-to-date training in the latest industry developments, TECH has selected an experienced and active cadre of teachers to lead the program. These are prestigious specialists in Guided Dental Surgery, who are recognized within the guild due to their trajectory in the best clinical entities at the service of oral health. They have poured into the study material the result of their years of work, offering the professional exclusive and high-impact information.





“

The best professionals in the field gathered in a single program to provide you with the keys to the new guided intervention procedures”

Management



Dr. Ulman, Darío

- ◆ Dentist Specializing in Implant Dentistry and Orthodontics
- ◆ Dentist in own practice
- ◆ *International Intraoral Scanner* Trainer
- ◆ Speaker Corner FONA
- ◆ Director of training courses for dentists
- ◆ Degree in Dentistry



Dr. Roisentul, Alejandro

- ◆ Director of the Oral and Maxillofacial Surgery Unit of Ziv Medical Center
- ◆ Clinical Instructor, Bar-Ilan University School of Medicine
- ◆ Regional Delegate for Asia of the Latin American Association of Buccomaxillofacial Surgery and Traumatology
- ◆ President of the Israeli Association of Oral and Maxillofacial Surgeons
- ◆ Winner of numerous awards and honorable mentions



04

Structure and Content

The syllabus of this program has been designed according to the most recent updates in the dental sector. Inside, the professional of the area will find rigorous information about guided surgery and the new technological tools used in its process. In this way, you will have access to exclusive information provided by experts and specialists with many years of experience in the industry.



“

*A compendium of high-impact information,
presented through audiovisual resources
created with the latest technology"*

Module 1. Digital Flow and Guided Surgery Planning and software

- 1.1. Guided Surgery
 - 1.1.1. Digital Imaging Technology and Its Use in Guided Surgery Planning
 - 1.1.2. Virtual Planning of Guided Implants and Their Integration into Clinical Practice
 - 1.1.3. Surgical Splint Design and Its Importance in Guided Surgery
 - 1.1.4. Step-by-Step Guided Surgery Procedures and Their Clinical Implementation
- 1.2. Guided Surgery Kits
 - 1.2.1. Design and Production of Customized Guided Surgery Kits for Each Case
 - 1.2.2. Implementation of Guided Surgery Kits in the Digital Work Flow in the Dental Practice
 - 1.2.3. Assessment of the Accuracy of Guided Surgery Kits in the Planning and Execution of Guided Surgery
 - 1.2.4. Integration of Guided Surgery Kits with Guided Surgery Planning Software and Its Impact on Clinical Efficiency
- 1.3. Nemoscan
 - 1.3.1. File Import
 - 1.3.2. Implant Placement
 - 1.3.3. Splint Design
 - 1.3.4. Stl Export
- 1.4. BSB
 - 1.4.1. File Import
 - 1.4.2. Implant Placement
 - 1.4.3. Splint Design
 - 1.4.4. Stl Export
- 1.5. BSP Digital Work Flow
 - 1.5.1. Design and Production of Occlusal Splints Using the BSP Digital Work Flow
 - 1.5.2. Assessment of the Accuracy of Occlusal Splints Produced with the BSP Digital Work Flow
 - 1.5.3. BSP Digital Work Flow Integration in the Dental Practice
 - 1.5.4. Use of the BSP Digital Work Flow in Orthodontic Treatment Planning and Delivery





- 1.6. Implant Placement
 - 1.6.1. Virtual Planning of Dental Implant Placement Using 3D Design Software
 - 1.6.2. Simulation of Implant Placement on 3D Patient Models
 - 1.6.3. Use of Surgical Guides and Guided Surgery Techniques in the Placement of Dental Implants
 - 1.6.4. Assessment of the Accuracy and Effectiveness of Implant Placement with Guided Surgery
- 1.7. Design with BSB of Mucosa-Supported Splints
 - 1.7.1. Functions and Tools of BSB Software in Mucosa-Supported Splints
 - 1.7.2. Design of Mucosa-Supported Splints
 - 1.7.3. Fabrication of Mucosa-Supported Splints
 - 1.7.4. Fitting and Placement of Mucosa-Supported Splints
- 1.8. Design of Single Implants with BSB
 - 1.8.1. Functions and Tools of the BSB Software in Single Implant
 - 1.8.2. Design of Single Implants
 - 1.8.3. Fabrication of Single Implants
 - 1.8.4. Adjustment and Placement of Single Implants
- 1.9. Immediate Implant BSB Design
 - 1.9.1. Functions and Tools of the BSB Software in Immediate Implant
 - 1.9.2. Immediate Implant Design
 - 1.9.3. Immediate Implant Fabrication
 - 1.9.4. Immediate Implant Fitting and Placement
- 1.10. Design with BSB of Surgical Splint Design
 - 1.10.1. Functions and Tools of BSB Software in Surgical Splinting
 - 1.10.2. Surgical Splint Design
 - 1.10.3. Fabrication of Surgical Splint
 - 1.10.4. Adjustment and Placement of Surgical Splint

05

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.





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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"

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.

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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.



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.



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 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.





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.



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.



06 Certificate

The Postgraduate Certificate in Guided Dental Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate 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"*

This program will allow you to obtain your **Postgraduate Certificate in Guided Dental 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.

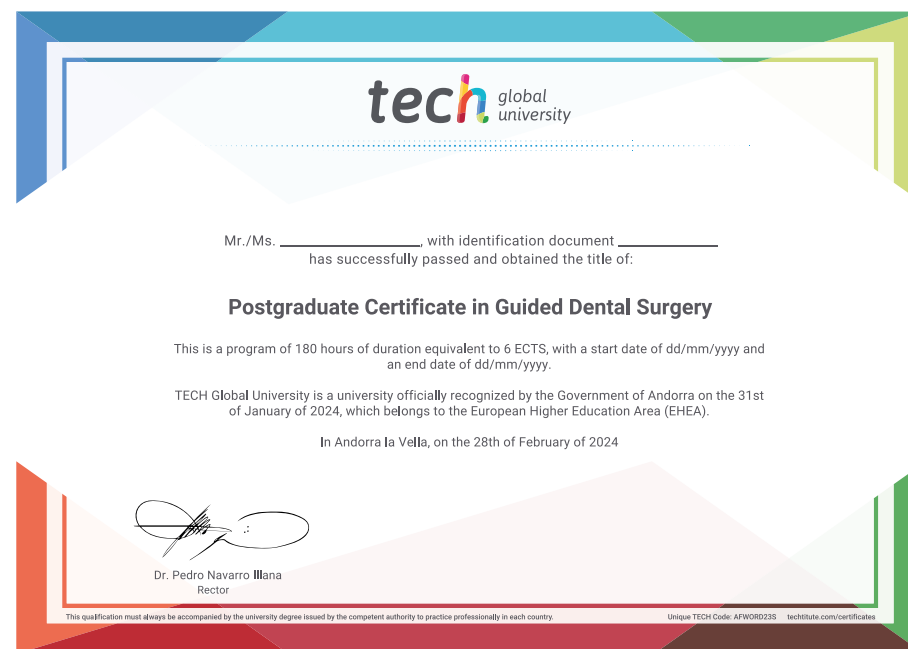
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Guided Dental Surgery**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*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.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
development languages
virtual classroom



Postgraduate Certificate Guided Dental Surgery

- » Modality: online
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Postgraduate Certificate Guided Dental Surgery

