Postgraduate Certificate

Invisible Orthodontics in Digital Dentistry

tech technological university

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Postgraduate Certificate

Invisible Orthodontics in Digital Dentistry

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/dentistry/postgraduate-certificate/invisible-orthodontics-digital-dentistry**

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01

Introduction

In the current context of dentistry, Invisible Orthodontics in Digital Dentistry is a technique increasingly demanded by patients, which has generated a growing need to update the knowledge of dentists in this field. In this sense, this TECH university program offers the dentist complete training in the digital flow process in invisible orthodontics, which allows for more accurate and efficient treatment design and planning. The program focuses on capturing digital images of the mouth, creating 3D models and utilizing market-leading software such as Invisalign and ClearCorrect. The program is delivered in an online format, allowing dentists to access the materials from anywhere and at any time, adapting their learning to their pace and availability. Thanks to all this, the students will be able to update themselves in a state-of-the-art technique and offer their patients a more adapted, personalized and effective treatment.

The Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry is an investment in yourself and your practice that will enable you to deliver high quality invisible orthodontic treatment and increase patient satisfaction"

In today's dentistry, Invisible Orthodontics in Digital Dentistry is a technique increasingly requested by people of all ages. Therefore, there is a growing need to update the knowledge of dentists in this field. In response to this need, TECH's Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry provides a complete update on the digital flow process in invisible orthodontics, allowing for more accurate and efficient treatment design and planning.

The program focuses on capturing digital images of the mouth, creating 3D models and utilizing market-leading software such as Invisalign and ClearCorrect. All of this is based on a methodology that adapts to the needs of dentists by offering the program in a 100% online format. In this way, participants can access the materials from anywhere and at any time, adapting their learning to their pace and availability.

With the Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry, dentists will be able to update themselves in a state-of-the-art technique, acquiring the necessary knowledge to design and plan the treatment in a more precise and efficient way. In addition, they will be able to offer their patients a more comfortable and personalized treatment experience. At the end of the program, dentists will be able to apply the acquired knowledge to clinical practice and provide high quality invisible orthodontic treatment. In short, the Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry is an indispensable program for those professionals who want to offer their patients a modern and effective invisible orthodontic treatment.

This **Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Practical cases presented by experts in Dentistry
- 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

Expand your knowledge in a constantly evolving field, keeping you at the forefront of the latest trends in digital dentistry"

The 100% online methodology of this Professional Master's Degree will allow you to study without having to give up your personal and professional needs"

Get up-to-date in Digital Dentistry with the best specialists in this discipline.

A 100% online program that will allow you to get up-to-date in this disruptive technique without neglecting your professional obligations.

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

The main objective of the Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry is to provide dentists with a complete and up-to-date knowledge of the digital flow technique in invisible orthodontics. Through the program, participants will acquire the necessary skills to capture digital images of the mouth, create 3D models and use market-leading software such as Invisalign and ClearCorrect. The program also seeks to offer dentists a digital education that adapts to their needs and learning pace, allowing them to apply the knowledge acquired in clinical practice and offer their patients high-quality, personalized invisible orthodontic treatment.

The objective of this Postgraduate Certificate is to improve your clinical practice and offer more precise and personalized treatments to your patients"

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 basics of invisible orthodontics and digital treatment planning
- Know the different types of digital scanning and planning technologies used in invisible orthodontics, such as intraoral scanners and planning software
- Understand the importance of pre-planning in the success of invisible orthodontic treatment
- Develop skills in the interpretation of data obtained through digital technology and its use in treatment planning
- Learn how to use the results of digital analysis to create customized aligners and other invisible orthodontic appliances

Gain knowledge of digital mouth imaging, 3D model creation and treatment design with market-leading software"

03

Course Management

The teaching staff of the Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry is composed of experts in Implantology, Orthodontics, Oral Surgery and Maxillofacial Surgery with extensive clinical and teaching experience in their respective areas. These professionals will guide the participants in the learning process, sharing their knowledge and practical experience in the digital flow technique in invisible orthodontics. With the support and expertise of the teacher faculty, program participants will have the opportunity to expand their skills and knowledge in this field of dentistry and apply them to clinical practice in an effective manner.

You will learn from the experience of experts in Implantology, Orthodontics, Oral and Maxillofacial Surgery, with extensive clinical and teacher experience"

Management

Mr. 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

Mr. 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 Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry syllabus is designed to provide dentists with a comprehensive and up-to-date education on digital flow in invisible orthodontics. The syllabus includes content on capturing digital images of the mouth, creating 3D models, designing and planning treatment using programs such as Invisalign and ClearCorrect, and implementing invisible orthodontics in clinical practice. Topics related to patient interaction, effective communication and complex case management will also be addressed. With this syllabus, program participants will obtain a complete and up-to-date program in the invisible orthodontic technique, which will allow them to offer a more precise and personalized treatment to their patients.

You will become, in just 6 weeks of intensive online study, an expert in digital flow and invisible digital orthodontics. Enroll now"

Module 1. Digital Flow and Invisible Orthodontics Planning and software

1.1. Different Software Available to Create
- 1.1.1. Open Source
- 1.1.2. BSB
- 1.1.3. Code Closed
- 1.1.4. Teacher

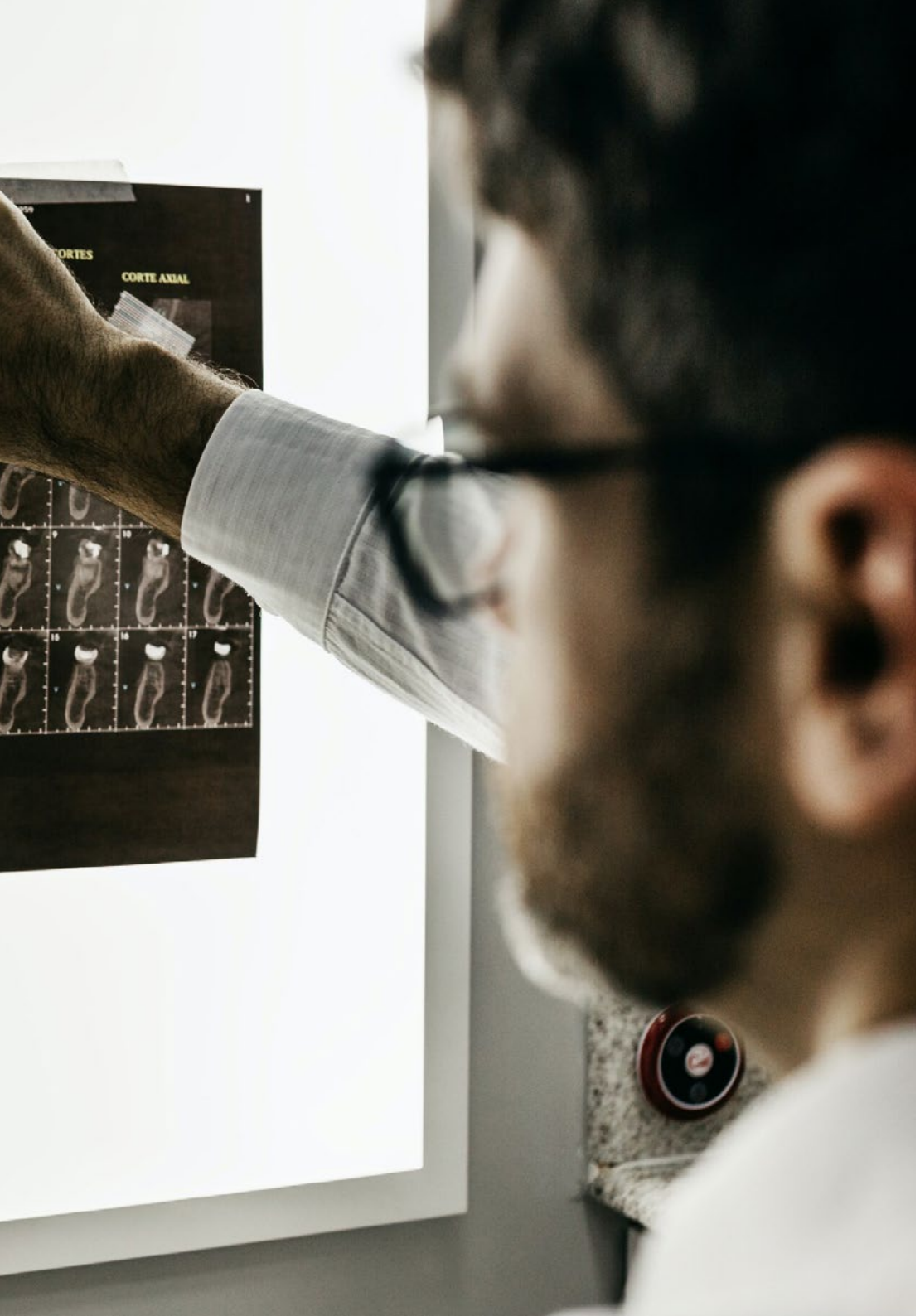
1.2. Nemocast
- 1.2.1. Import, Orientation
- 1.2.2. Top and Bottom Model Segmentation
- 1.2.3. Setup and Placement of Cofferdams
- 1.2.4. Stl Export

1.3. Blue Sky Bio
- 1.3.1. Import, Orientation
- 1.3.2. Top and Bottom Model Segmentation
- 1.3.3. Setup and Placement of Cofferdams
- 1.3.4. Stl Export

1.4. Teacher
- 1.4.1. Import, Orientation
- 1.4.2. Top and Bottom Model Segmentation
- 1.4.3. Setup and Placement of Cofferdams
- 1.4.4. Stl Export

1.5. Study Models
- 1.5.1. Studies Models Types
- 1.5.2. Advantages and Disadvantages of Digital Studio Models
- 1.5.3. Scanning Process of Physical Study Models
- 1.5.4. Digital Study Model Creation Process

1.6. Template Placement for Brackets
- 1.6.1. What Is a Bracket Template?
- 1.6.2. Design
- 1.6.3. Materials Used
- 1.6.4. Adjustments



1.7. Masks and Positioning Guides for Cofferdams
- 1.7.1. What Are Attachments in Invisible Orthodontics?
- 1.7.2. What Are Masks and Positioning Guides for Attachments?
- 1.7.3. Design and Manufacturing Process for Masks and Positioning Guides for Cofferdam Attachments
- 1.7.4. Materials Used in the Manufacture of Masks and Positioning Guides for Attachments

1.8. Different Brands of Invisible Aligners
- 1.8.1. Invisaline
- 1.8.2. Spark
- 1.8.3. Smilers
- 1.8.4. Clear Correct

1.9. Digital Mockup
- 1.9.1. Concept and Application of Digital Mockup in Invisible Orthodontics
- 1.9.2. Workflow for the Creation of a Digital Mockup
- 1.9.3. Use of Digital Tools for Case Planning in Invisible Orthodontics
- 1.9.4. Clinical Case Analysis and Examples of Digital Mockup Application

1.10. Mouth Scanning
- 1.10.1. 3D Upper Jaw
- 1.10.2. Lower Jaw
- 1.10.3. Bites
- 1.10.4. Revision of the Model

This Postgraduate Certificate is designed to suit your needs and pace of learning, with the flexibility of the online format"

05

Methodology

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

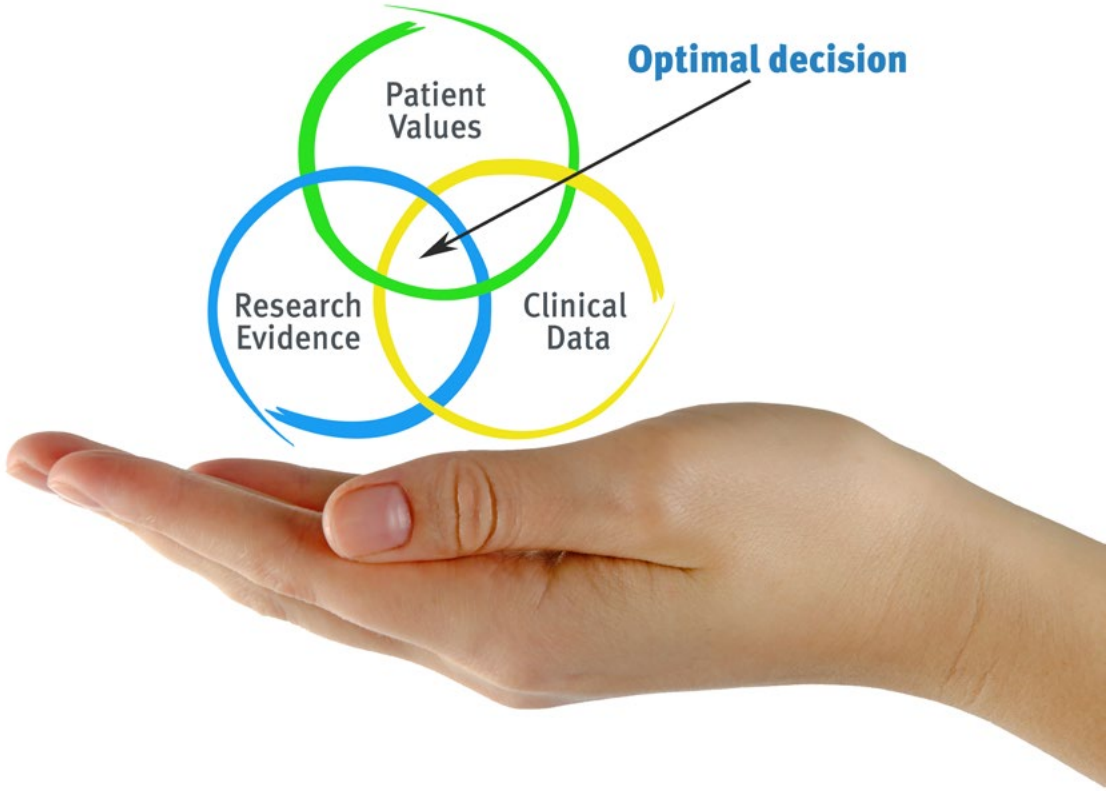
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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.

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:

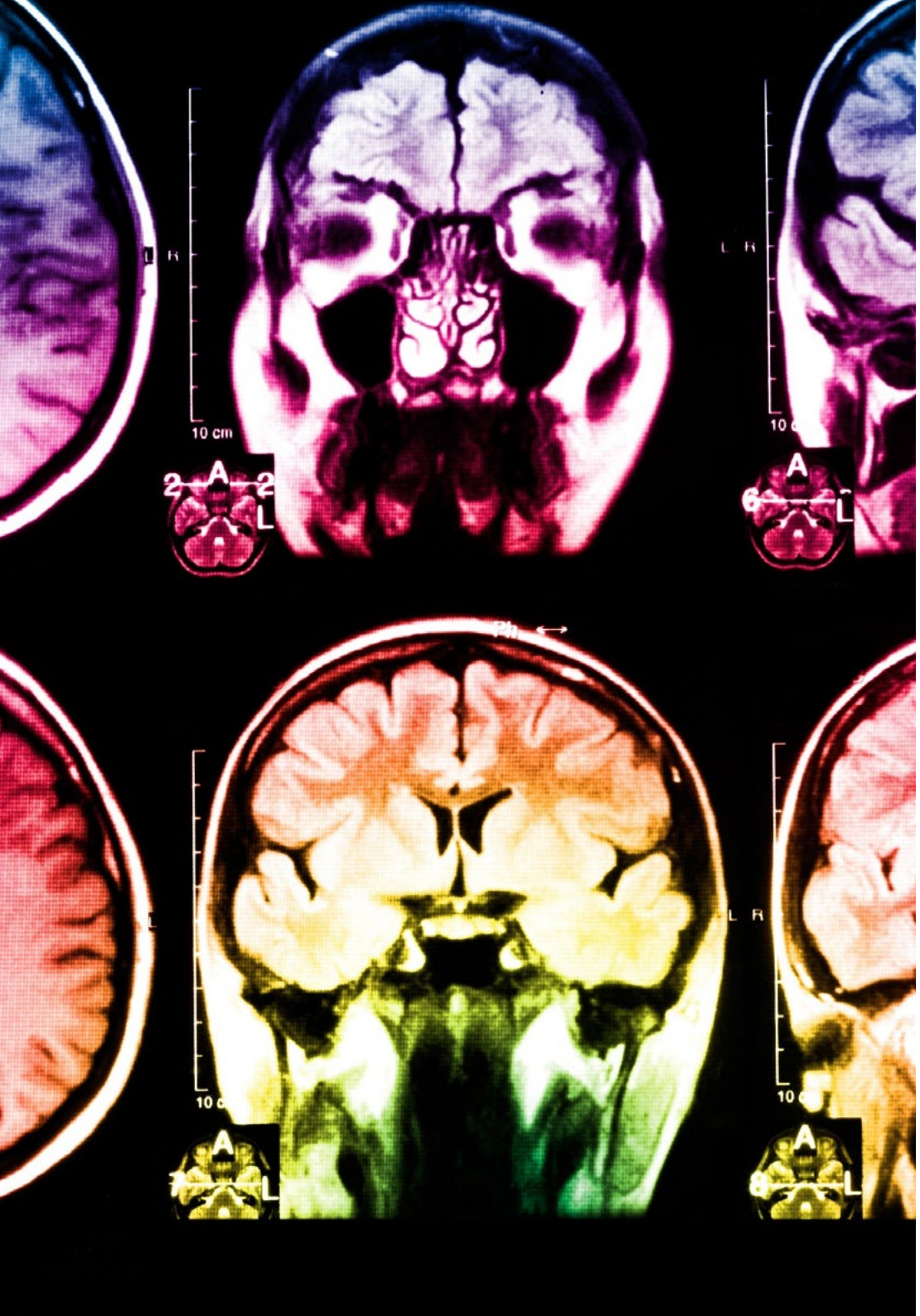
1. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas 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.

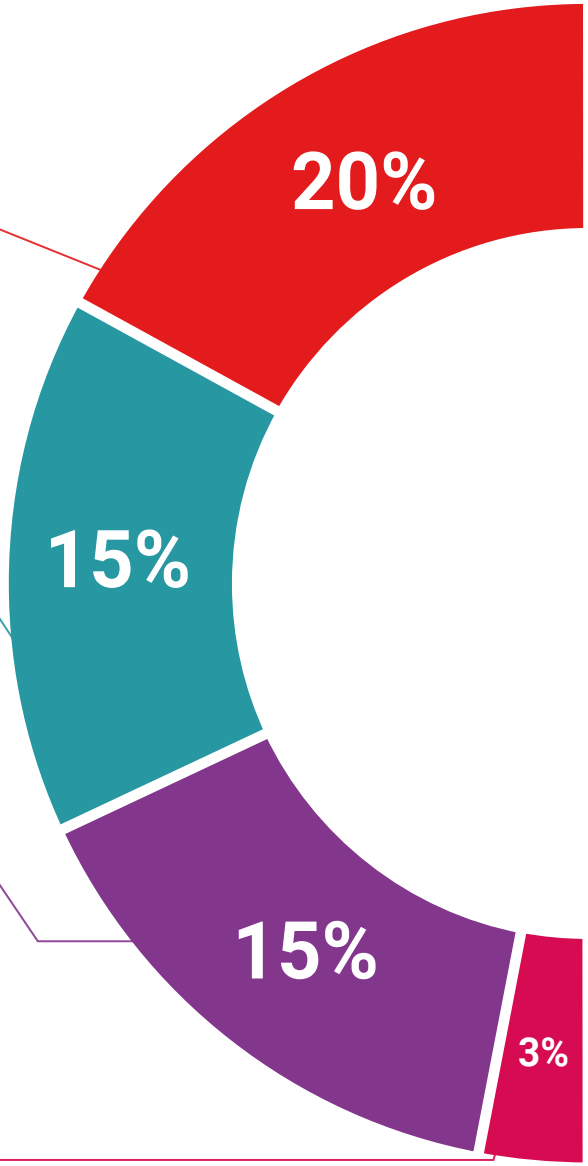
Interactive Summaries

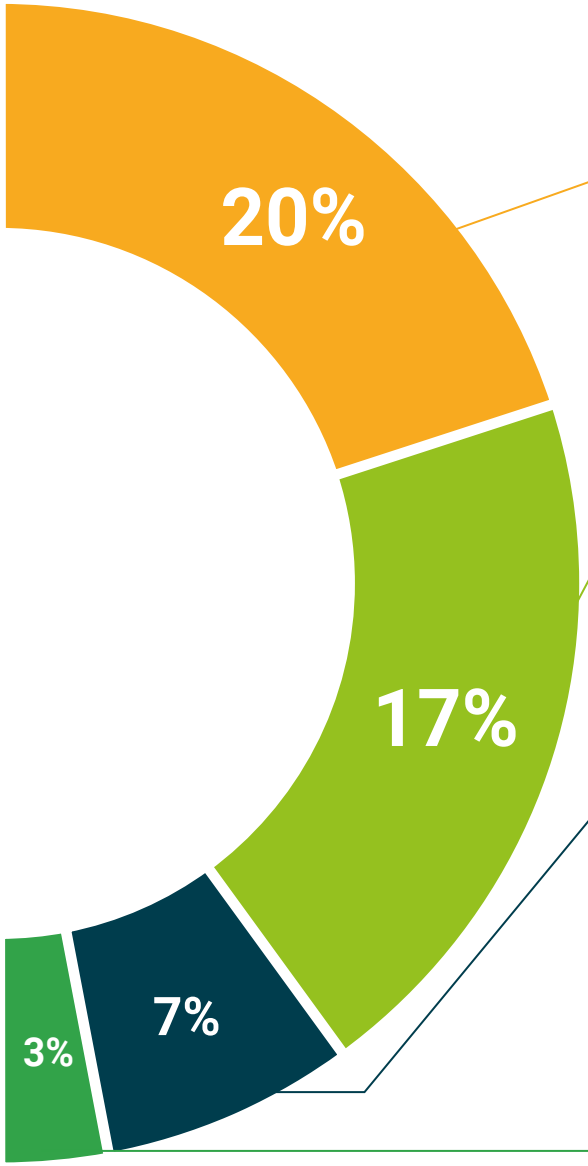
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Invisible Orthodontics in Digital Dentistry guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry** contains the most complete and up-to-date scientific on the market.

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

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

Title: **Postgraduate Certificate in Invisible Orthodontics in Digital Dentistry**

Official Nº of Hours: **150 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Invisible Orthodontics in Digital Dentistry

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

Unique TECH Code: AFWORD23S techtitute.com/certificates

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

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