

# Postgraduate Certificate

## Cephalometric Analysis and Dental Photography





## Postgraduate Certificate Cephalometric Analysis and Dental Photography

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

Website: [www.techtute.com/us/dentistry/postgraduate-certificate/cephalometric-analysis-dental-photograph](http://www.techtute.com/us/dentistry/postgraduate-certificate/cephalometric-analysis-dental-photograph)

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# 01

# Introduction

Cephalometry and Dental Photography are two essential tools to diagnose and treat with the utmost rigor the pathologies suffered by patients. As a result, the methods and techniques used in this field have evolved significantly in recent years, with the idea of providing accurate and unequivocal results. Consequently, every dentist who wishes to be at the forefront of this discipline should be aware of these advances. For this reason, this program has been developed, which will enable the student to improve their knowledge in the management of dental photography and delve into the cutting-edge scanning technologies in Digital Cephalometry. Furthermore, its 100% online mode of delivery will allow you to update your knowledge without neglecting your personal and professional obligations.



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*The Postgraduate Certificate in Cephalometric Analysis and Dental Photography will allow you to learn the state-of-the-art techniques for the interpretation of digital cephalometric data"*

Both Cephalometry and Dental Photography are elements that contribute directly to the accurate detection of possible dental problems, as well as to the follow-up of patients over time to ensure that treatments are effective. As a result, the photographic techniques used or the scanning technologies employed in Digital Cephalometry have undergone significant development in order to offer first class results that facilitate the dentist's work. These professionals are therefore obliged to identify these improved tools in order to fully optimize their update.

In view of this situation, TECH has decided to design this program, which provides the student with the most up-to-date knowledge on Cephalometric Analysis and Dental Photography. During 6 weeks of intensive teaching, you will identify the differences and similarities between photography for Orthodontics, Implantology or Dental Aesthetics and detect the best strategies to extract the maximum performance from the images taken. In addition, you will delve into the techniques of interpretation of digital cephalometric data or the use of Ortokid software.

Since this program has an excellent 100% online methodology, the students will have the possibility to manage their study time as they wish in order to obtain an effective learning process. In the same way, you will have at your disposal very complete teaching contents in formats such as readings, videos or self-evaluation tests. In this way, you will enjoy an education that is fully adapted to your personal circumstances and academic needs.

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

- The development of case studies presented by experts in Digital 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



*Throughout this educational pathway, you will rigorously identify the differences and similarities between the photography used in Orthodontics, Implantology and Dental Aesthetics"*

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*Learn, through this program, the state-of-the-art techniques to extract the maximum performance from the dental photographs taken”*

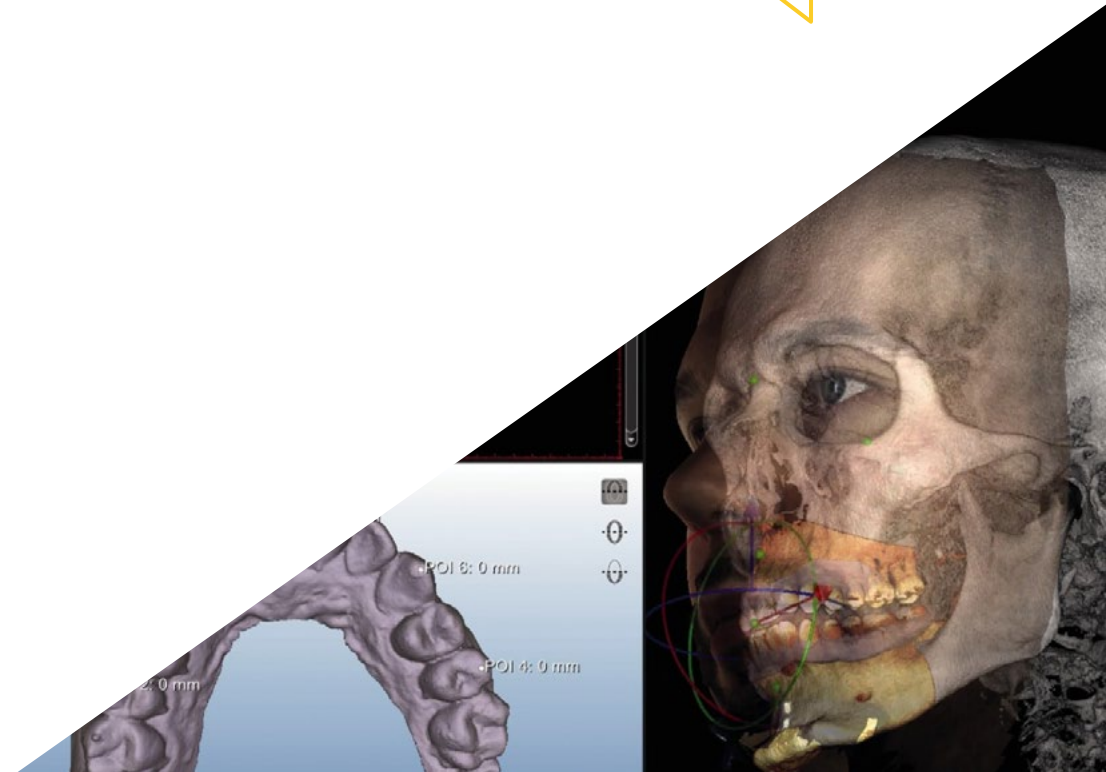
*Get up to speed in Cephalometric Analysis and Dental Photography with a syllabus designed and developed by practicing specialists in these areas.*

*Obtain a dynamic and decisive learning experience, enjoying teaching content in video format.*

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

This Postgraduate Certificate has been carried out with the main premise of providing the specialist with a complete update in relation to Cephalometric Analysis and Dental Photography. Throughout this educational itinerary, you will detect the avant-garde applications of dental photography or Digital Cephalometry in only 6 weeks. All this while enjoying the best study facilities in the pedagogical panorama.





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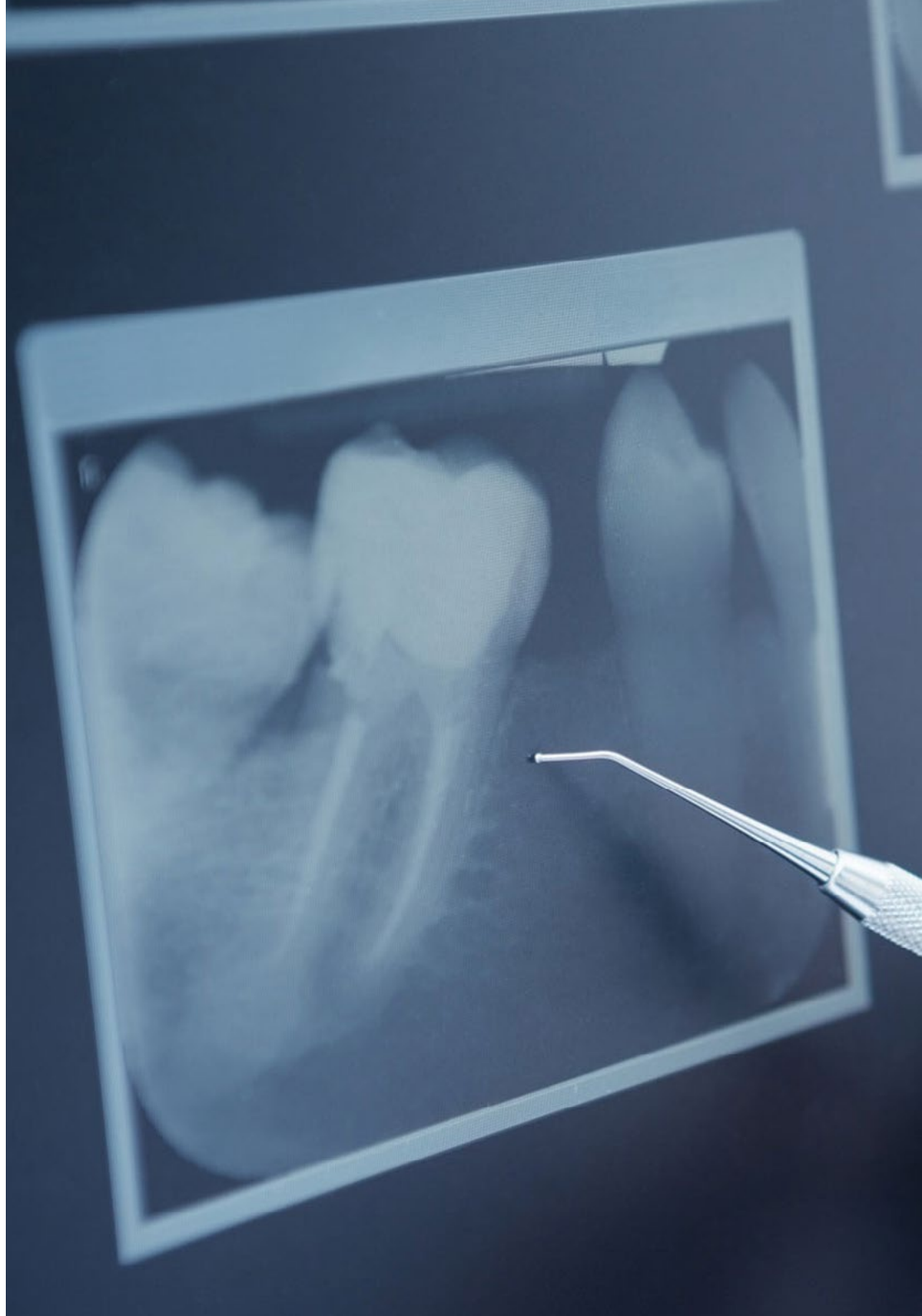
*Be able to delve into the cutting-edge applications of Digital Cephalometry in dental practice through this program”*



## General Objectives

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- ♦ 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

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- Comprehend the basic concepts of cephalometric analysis and its importance in the diagnosis and planning of orthodontic and/or maxillofacial treatments
- Become familiar with the different types of cephalometric analysis and the interpretation of the data obtained
- Know the different types of cameras and lighting equipment used in clinical photography
- Effectively communicate the results of cephalometric analysis and photography to the patient and the interdisciplinary team



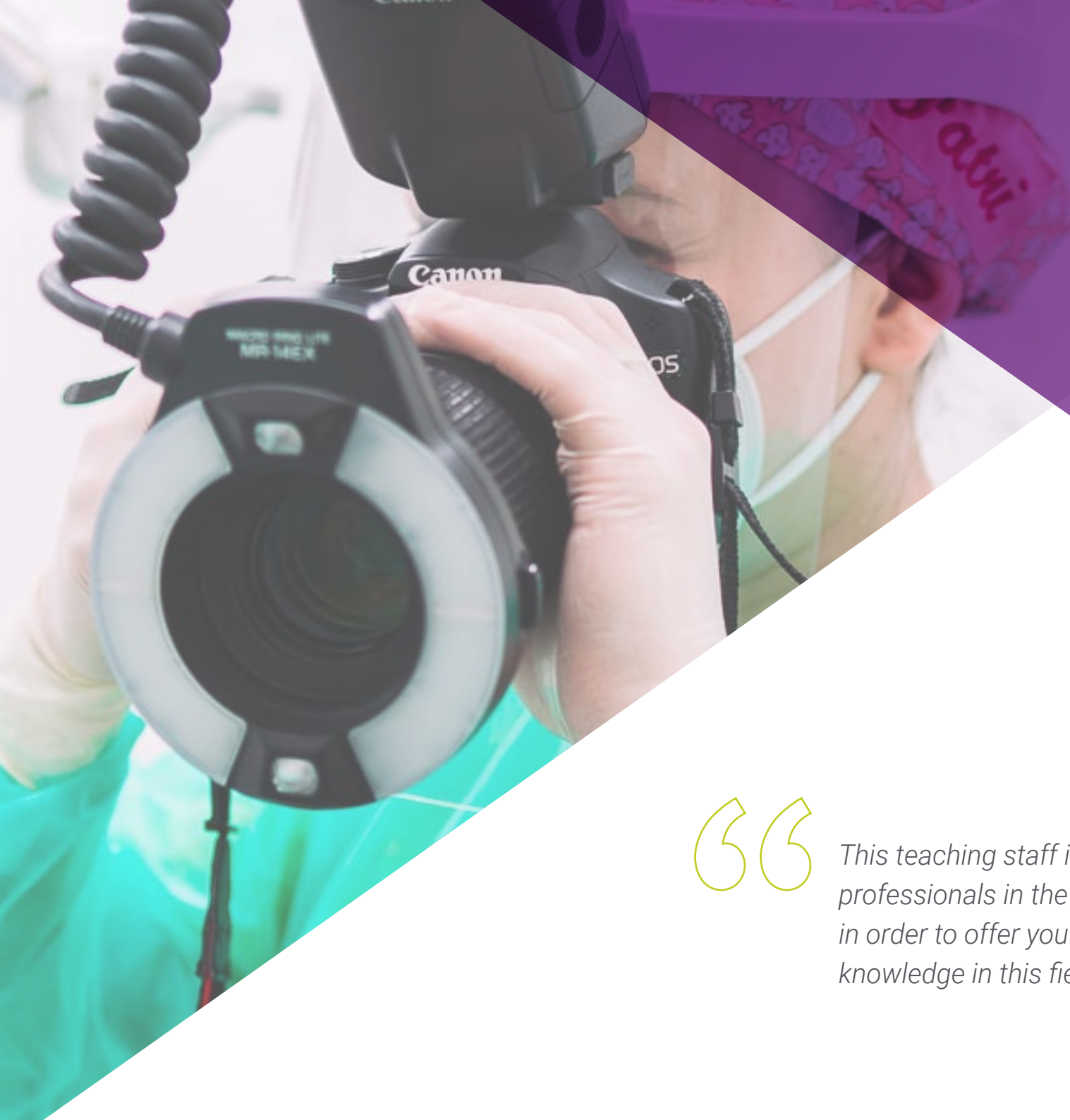
*Do you want to carry out your desired update on Cephalometric Analysis and Dental Photography? This program offers you the best tools to achieve it"*

03

# Course Management

Thanks to TECH's tireless commitment to offering the highest quality programs, this program is directed and taught by the best specialists in Digital Dentistry, who have extensive skills in Cephalometric Analysis and Dental Photography. Since these experts are in charge of the development of the teaching resources of the Postgraduate Certificate, all the knowledge they will offer the student will preserve a complete professional applicability.





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*This teaching staff is made up of active professionals in the area of Digital Dentistry, in order to offer you the most up-to-date knowledge in this field"*

## 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



## Professors

### Ms. Roisental, Juliana

- ◆ Manager and Dental Hygienist at Roisental Dental
- ◆ Dental Hygienist at MaccabbiDent
- ◆ Dental Hygienist at the ICHILOV Medical Center
- ◆ Teacher and Responsible for studies related to Photography and Dental Hygiene
- ◆ Course in Graphic Design

### Mr. Badía Montoya, Alberto Luis

- ◆ Dentist specialized in Orthodontics
- ◆ Creator and Developer of Orthokit
- ◆ Graduate in Dentistry from the University of Granada
- ◆ Master's Degree in Orthodontics from the University of Oviedo
- ◆ Member of: AAO, WFO, AESOR, SEDO

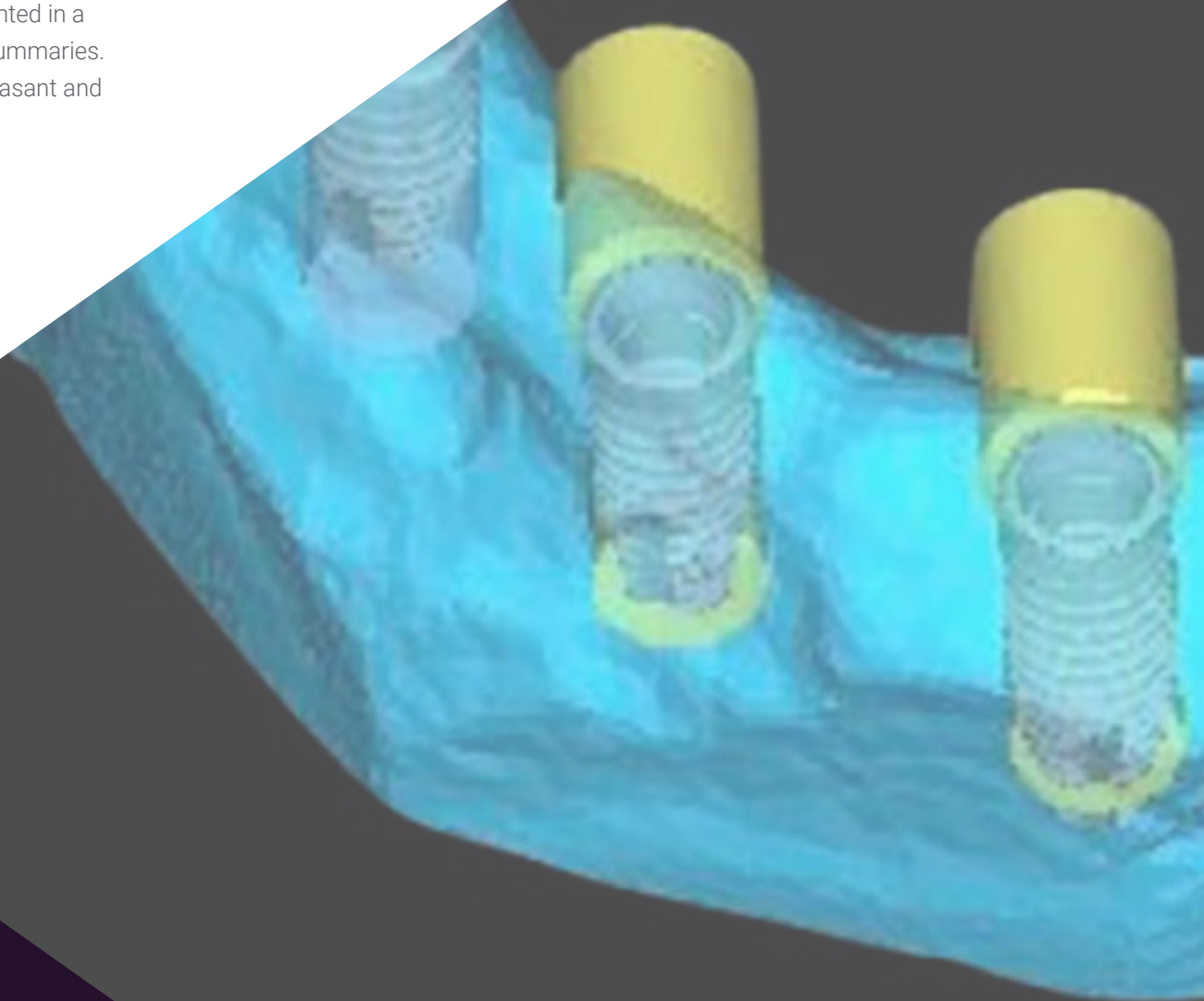


*Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"*

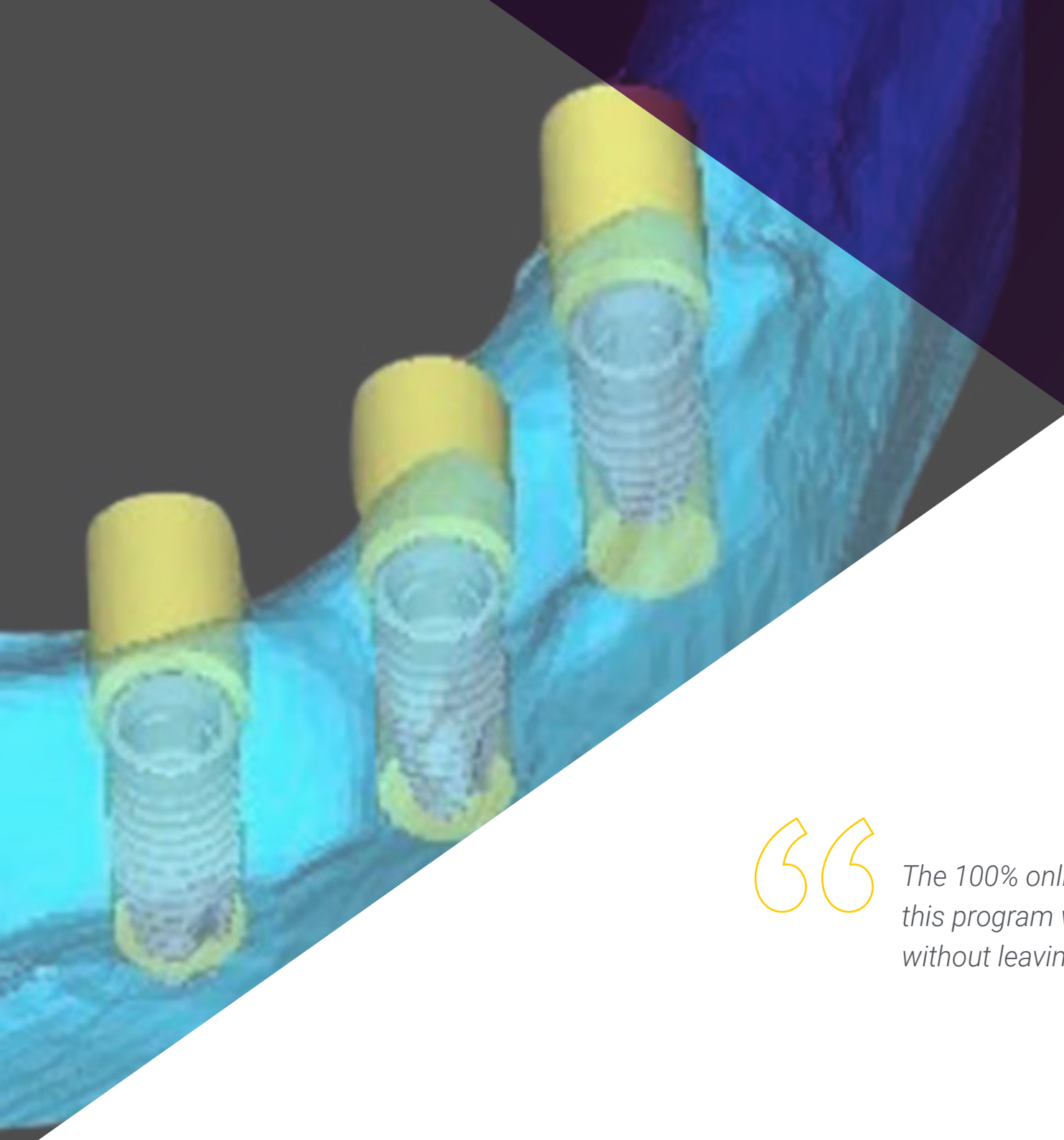
# 04

## Structure and Content

The syllabus of this program has been developed with the intention of offering the students the latest advances in Cephalometric Analysis and Dental Photography, delving into the most relevant and cutting-edge aspects in this field. All the teaching resources available to the professional throughout this program are presented in a variety of formats, including lectures, explanatory videos and interactive summaries. In this way, and through its 100% online methodology, you will obtain a pleasant and effective teaching.







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*The 100% online methodology of this program will allow you to study without leaving your own home”*

## Module 1. Cephalometric Analysis and Photography

- 1.1. Basics of Photography
  - 1.1.1. The Non-Digital Image
  - 1.1.2. The Digital Image
  - 1.1.3. The Detail
  - 1.1.4. Advice
- 1.2. Photography in Science
  - 1.2.1. Photography Uses
  - 1.2.2. Case Documentation
  - 1.2.3. Hospital Photography
  - 1.2.4. Social Media
- 1.3. Photography in Dentistry
  - 1.3.1. Photography in Orthodontics
  - 1.3.2. Photography in Implant Dentistry
  - 1.3.3. Photography in Periodontics
  - 1.3.4. Photography in Dental Esthetics
- 1.4. Dental Photography Purposes
  - 1.4.1. Patient Communication
  - 1.4.2. Laboratory Communication
  - 1.4.3. Legal Communication
  - 1.4.4. Artistic
- 1.5. The Photographic Camera
  - 1.5.1. Cameras Types
  - 1.5.2. Camera Parts
  - 1.5.3. Phone Camera
  - 1.5.4. Lenses
- 1.6. Camera Elements
  - 1.6.1. Flashes
  - 1.6.2. Light Control
  - 1.6.3. Exhibitions
  - 1.6.4. A Learning Curve



- 1.7. Handling Photography
  - 1.7.1. Diaphragm
  - 1.7.2. Speed
  - 1.7.3. Focus
  - 1.7.4. Match
- 1.8. Digital Development, Storage and Design
  - 1.8.1. Image Storage
  - 1.8.2. Formats
  - 1.8.3. Digital Development
  - 1.8.4. Program Design
- 1.9. BSB Digital Cephalometry
  - 1.9.1. Fundamentals of Digital Cephalometry in Dentistry
  - 1.9.2. Scanning Technologies in Digital Cephalometry
  - 1.9.3. Interpretation of Digital Cephalometric Data
  - 1.9.4. Clinical Applications of Digital Cephalometry
- 1.10. Digital Cephalometry Programs (Ortokid)
  - 1.10.1. Program Installation
  - 1.10.2. Patient Discharge
  - 1.10.3. Placement of Reference Points
  - 1.10.4. Study Selection



*Choose the teaching formats that best suit your educational needs and fully optimize your learning"*

# 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.

“

*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

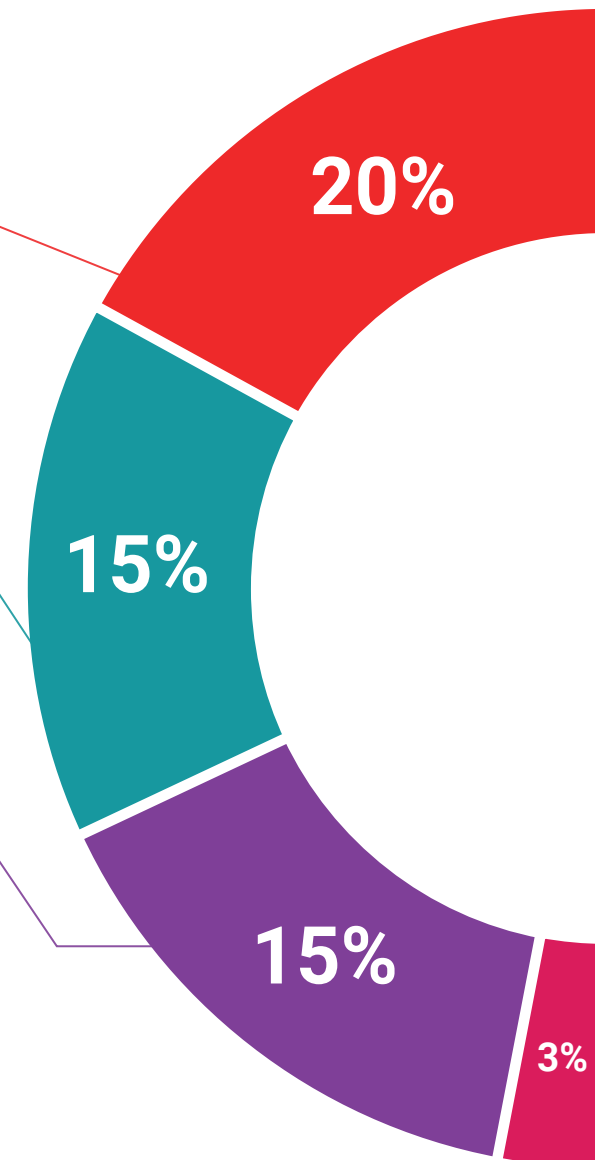
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

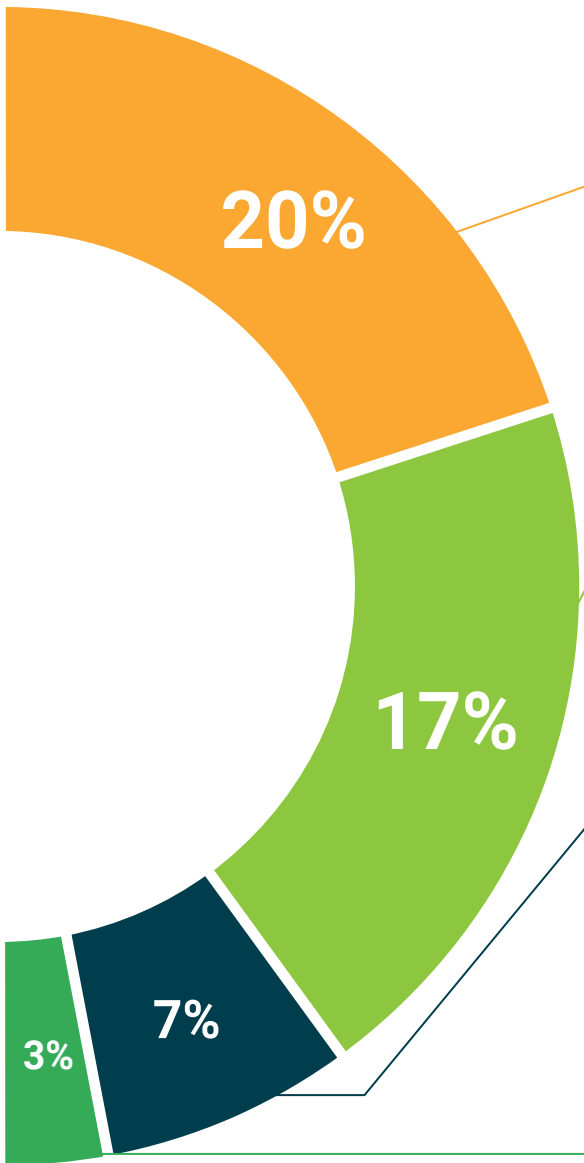
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 Cephalometric Analysis and Dental Photography guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



The image features two black graduation caps (mortarboards) against a bright blue sky with light, wispy clouds. One cap is in the foreground on the left, and another is slightly behind it on the right. The caps are tilted upwards. The background is split diagonally from the bottom right corner into a white area and a purple area.

“

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

This **Postgraduate Certificate in Cephalometric Analysis and Dental Photography** 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 Cephalometric Analysis and Dental Photography**

Official N° of Hours: **150 h.**



\*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.

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



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