

# Postgraduate Certificate

## Oral Medicine and Diagnostic Methods





## Postgraduate Certificate Oral Medicine and Diagnostic Methods

- » 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/oral-medicine-diagnostic-methods](http://www.techtute.com/us/dentistry/postgraduate-certificate/oral-medicine-diagnostic-methods)

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# 01

# Introduction

Knowing the most up-to-date and relevant diagnostic methods in oral medicine is fundamental to diagnose certain diseases early and manage them correctly, which will improve oral health and the quality of life of patients. The student who wants to specialize in this field, should think no more and join the TECH Global University student community. You will find the most up-to-date education available.



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*We offer you a unique study opportunity  
to learn about the main Diagnostic  
Methods of Oral Diseases”*

Oral medicine is the health specialty that allows us to learn about the pathologies of the oral mucosa and adjacent tissues, as well as the correlation of various clinical pictures with the oral cavity. In order to study this field in depth, this Postgraduate Certificate will provide an introductory review of this area and will provide an insight into its origins, as well as its current relationship with the profession.

The legal implications, duties and rights of the dentist at the time of practice will also be discussed. These are fundamentally important factors that every healthcare professional should be aware of in order to be aware of their own limitations. In addition, there will be an extensive classification of the phases through which the patient must pass from the first visit to the multiple complementary tests, as well as their examination and analysis from a globalized point of view, according to oral medicine. This is instead of focusing only on dental pathology, reviewing the current situation and its future applications by experienced professors.

This academic program is characterized by its dynamic methodology that includes clinical cases for the student to identify and associate the well-explained subject matter with its corresponding image, as well as questionnaires to evaluate their knowledge and put it to the test. Therby we bring the dentist as close as possible to those situations that will be presented daily in the practice so that they are able to focus and manage them in a coordinated, efficient and planned manner, all under the guidance of active professionals who will help during the learning process to achieve a complete update in all aspects.

As it is an online program, students will not be bound by fixed schedules or the need to move to another physical location, but rather, they can access the content at any time of the day, balancing their professional or personal life with their academic life.

This **Postgraduate Certificate in Oral Medicine and Diagnostic Methods** contains the most complete and up to date scientific program on the market. The most important features include:

- Clinical cases presented by experts in oral medicine
- The graphic, schematic and practical contents of the course are designed to provide all the essential information required for professional practice
- Exercises where the self-assessment process can be carried out to improve learning.
- Algorithm-based interactive learning system for decision making for the orally impaired patient
- 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



*Only with proper education, will you know the best way to advise your patients in oral medicine cases"*

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*This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Oral Medicine and Diagnostic Methods, you will obtain a qualification from TECH Global University"*

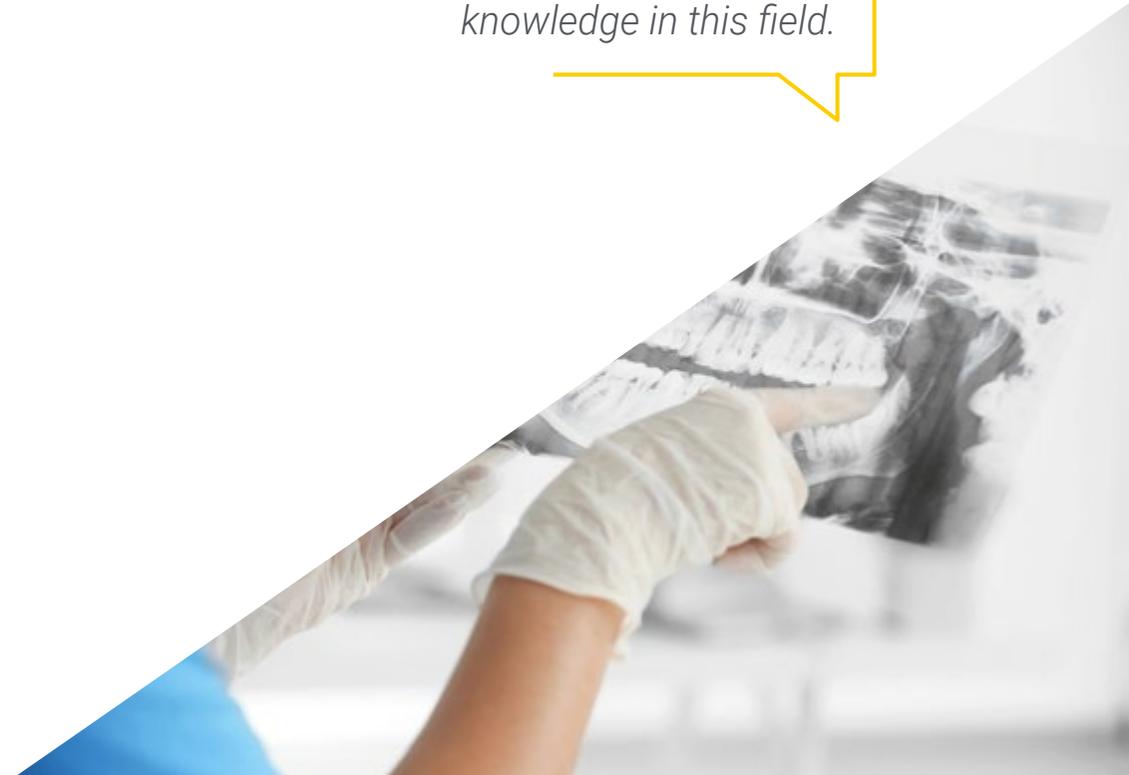
Its teaching staff includes professionals belonging to the field of oral medicine, who contribute their work experience to this education, in addition to renowned specialists from reference societies and prestigious universities.

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 training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. To do so, the professional will be assisted by an innovative system of interactive videos made by renowned and experienced experts in oral medicine and diagnostic methods.

*The Postgraduate Certificate allows you to exercise in simulated environments that provide an immersive learning program in order to train in real situations.*

*This 100% online program will allow you to combine your studies with your professional work while increasing your knowledge in this field.*



# 02 Objectives

The Postgraduate Certificate in Oral Medicine and Diagnostic Methods is designed to facilitate the dentist's performance in dealing with patients with oral health problems, and thereby generate a sense of security that will allow them to be more effective in their daily practice.





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*This refresher program will provide you with a sense of confidence in your daily work, which will help you grow both personally and professionally”*



## General Objectives

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- ◆ Receive an extensive theoretical update in a comprehensive framework covering injuries, diagnosis, prevention, treatment and rehabilitation
- ◆ Encourage problem solving and critical thinking through practical cases applicable to working life, strengthening the professional's confidence when expressing themselves and their autonomy as a healthcare professional
- ◆ Support empathy and multidisciplinary treatment, emphasizing that as a professional one must have a global vision of the patient's state of health in order to avoid possible repercussions secondary to misinformation
- ◆ Promote evidence-based knowledge and to learn to see beyond dental pathology by expanding its diagnostic protocol for the early detection of serious pathologies such as oral cancer
- ◆ Integrate a technical and theoretical practice in the daily treatment knowing how to approach complex cases related to systemic diseases or adjacent pathologies of the patient through sessions and clinical cases mediated by quality audiovisual means
- ◆ Obtain advanced medical knowledge that will enable you excel in the healthcare field by correctly, interpreting data and tests through the understanding and application of knowledge that encompasses the patient's health holistically
- ◆ Improve public speaking and communication skills so that the receiver of the message, regardless of whether they know the subject matter, can fully understand the professional's explanation, as well as prioritize ethics and a sense of morality when dealing with a case





## Specific Objectives

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- ♦ Gain in-depth knowledge of the origins, applications and characteristics of Oral Medicine, as well as the relevant figures in its development
- ♦ Establish an optimal relationship between science and Oral Medicine by applying the former to daily practice
- ♦ Explore in-depth the current uses of Oral Medicine in dentistry, as well as the latest advances and techniques
- ♦ Promote updating and health research when developing new techniques and means to prevent and cure pathologies
- ♦ Learn how to take a complete and detailed clinical history, going through all its phases for both health and legal purposes
- ♦ Attain in-depth knowledge of the legal, bioethical and moral implications for dentists, as well as patient duties with respect to the dentist
- ♦ Place health care in managerial and administrative framework that allows professionals to better perform in their daily clinical practice
- ♦ Apply all the complementary diagnostic tests, as well as the tests, techniques and methods that validate them
- ♦ Have the knowledge required to adequately search for or produce scientific research articles



*Take the step to get up to speed on the latest developments in oral medicine"*

03

# Course Management

The teaching team, experts in oral medicine, has a wide prestige in the profession and are experts with years of teaching experience who have come together to give your career a boost. To this end, they have developed this Postgraduate Certificate with recent updates on the subject that will allow you to train and increase your skills in this sector.



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*Learn from the best professionals and become a successful professional yourself”*

## International Guest Director

Dr. Pierre Bouletreau is an expert in Maxillofacial, Oral and Facial Plastic Surgery referenced internationally for his high level of research and surgical excellence. His professional career, moreover, has been framed by multiple awards in Europe and in his own country. In particular, this specialist has won the Antonin Poncet and Leibinger awards, as well as the Les Gueules cassées scholarship and national recognition from the Hospital Clinic Program.

Throughout his career, this physician has been linked to leading medical institutions and has been a disciple of true scientific eminences in the field of Oral Surgery. Specifically, he has collaborated with several institutions in Lyon, becoming a member and later Head of Service of the Department of Maxillofacial, Oral and Facial Plastic Surgery of the Lyon Sud Hospital. At the same time, he has carried out clinical training internships at the New York University Medical Center, the Division of Plastic and Reconstructive Surgery at Stanford University and Orthognathic Surgery internships with Dr. G. W. Arnett in Santa Barbara, California.

On the other hand, from the academic point of view, he has maintained a continuous updating of his skills and has developed studies in areas such as Clinical and Economic Analysis of Medical Decisions, Experimental Microsurgical Techniques, Biological and Medical Engineering, among others. From this scientific work, he has collaborated with research projects and is the author of more than 80 articles published in national and international journals. At the same time, he stands out for his assiduous participation in specialized congresses.

Dr. Bouletreau is also a reviewer for publications such as the Journal of Dental Science and Research. He is also a member of the French Society of Maxillofacial, Stomatological and Oral Surgery.



## Dr. Bouletreau, Pierre

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- ♦ Head of Maxillofacial, Oral and Facial Plastic Surgery, Lyon Sud Hospital, Lyon, France
- ♦ Assistant Practitioner at the UFR Laënnec
- ♦ Doctorate in Medicine from the University Claude Bernard - Lyon I
- ♦ Research internship at the New York University Medical Center
- ♦ Internship at the Institute of Plastic and Reconstructive Surgery at the New York University Medical Center
- ♦ Training in the Division of Plastic and Reconstructive Surgery at Stanford University School of Medicine
- ♦ Postgraduate Diploma in General Surgery
- ♦ University Diploma in Clinical and Economic Analysis of Medical Decisions
- ♦ International Reviewer for the Journal of Dental Science and Research
- ♦ Member of:
  - ♦ French Society of Maxillofacial, Stomatologic and Oral Surgery
  - ♦ Association of Facial Surgeons

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

## Management



### Dr Sánchez Sánchez, Almudena

- ♦ Founding Partner, Medical Director, SMILE FACTORY Clinic, Advanced Dentistry, Since 2014
- ♦ Daily clinical practice of Oral Surgery, Implantology, Oral Medicine, Periodontics and Implantoprosthodontics since 2006
- ♦ Degree in Dentistry from the European University of Madrid UEM, 2001-2006
- ♦ Master's Degree in Oral Surgery and Implantology, (Hospital Universitario de Madrid) 2010-2013
- ♦ Master's Degree in Oral Medicine, UCM, 2006-2007
- ♦ Member of the Spanish Society of Oral Medicine (SEMO), 2007-Present
- ♦ Member of the Spanish Society of Oral Laser (SELO), 2019

## Professors

### Dr. Delás Cotrina, Lola

- ♦ General Dentistry, Oral Surgery, Implantology and Endodontics in Delás Dental Clinic in Majadahonda
- ♦ Residency with maxillofacial surgeon Adolfo Céspedes at the Dental Clinic of Dr. Lopez Bahillo
- ♦ Practicing as a General Dentist at the Dentist without Borders Clinic in Madrid
- ♦ Degree in Dentistry from CEU San Pablo University in Madrid
- ♦ Oral and Maxillofacial Medicine from CEU San Pablo University in Madrid



04

# Structure and Content

The structure of the contents has been designed by a team of professionals who are aware of the implications of up-to-date information in daily practice, aware of the current relevance of renewal in oral medicine, and committed to quality teaching through new educational technologies.



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*We have the most complete and up to date scientific program on the market. We seek excellence and we want to help you achieve it too"*

## Module 1. Oral Medicine and Diagnostic Methods

- 1.1. Pathology and Oral Medicine
  - 1.1.1. In-Depth Oral Medicine
  - 1.1.2. Relevant Figures
  - 1.1.3. Oral Medicine Applied to Health Care Branches
  - 1.1.4. Current Uses of Oral Medicine in Dentistry
  - 1.1.5. Advances and Technology
- 1.2. Medical History
  - 1.2.1. Anamnesis
  - 1.2.2. Personal and Family History
  - 1.2.3. Exploration
  - 1.2.4. Diagnosis
  - 1.2.5. Treatment Plan
- 1.3. Informed Consent
  - 1.3.1. Origins and Fundamentals
  - 1.3.2. Features
  - 1.3.3. Applicable Exceptions
  - 1.3.4. The Right to Information
  - 1.3.5. The Right to Confidentiality
- 1.4. Legal Implications in Health Care
  - 1.4.1. Origin and Fundamentals
  - 1.4.2. Legal Principles Applied to Health Care
  - 1.4.3. Obligations and Rights of the Professional
  - 1.4.4. Legal Relevance of Medical Records
  - 1.4.5. Relationship between Health and Administrative Management
- 1.5. Complementary Tests
  - 1.5.1. Radiography
  - 1.5.2. Nuclear Magnetic Resonance (NMR)
  - 1.5.3. CT or CBCT
  - 1.5.4. Electromyography
  - 1.5.5. Sialometry
  - 1.5.6. Ultrasound
  - 1.5.7. Analytics
  - 1.5.8. Urinalysis
  - 1.5.9. Capillary Glycemia
  - 1.5.10. INR
  - 1.5.11. Exudates
  - 1.5.12. FNA, Biopsy and Cytology
  - 1.5.13. Mantoux Test
  - 1.5.14. Breath Test
  - 1.5.15. Endocrine Tests
  - 1.5.16. Pulse Oximetry and Densimetry
  - 1.5.17. Photography
- 1.6. Radiography
  - 1.6.1. Intraoral X-Rays Types
  - 1.6.2. Extraoral X-Rays Projections
- 1.7. Diagnostic Tests in Oral Medicine
  - 1.7.1. Clinical Tests
  - 1.7.2. Patch Test
  - 1.7.3. Diagnostic Imaging
  - 1.7.4. Contrast Diagnostics
  - 1.7.5. Nuclear medicine
  - 1.7.6. Culture Techniques
  - 1.7.7. Immunological and Immunohistochemical Techniques

- 1.8. Biopsy
  - 1.8.1. Fundamentals
  - 1.8.2. Indications and Applications
  - 1.8.3. Types and Procedures
  - 1.8.4. Most Frequent Errors
  - 1.8.5. Technical Contraindications of Biopsies
    - 1.8.5.1. Materials
    - 1.8.5.2. Incisional
    - 1.8.5.3. Excisional
    - 1.8.5.4. FNA
    - 1.8.5.5. Cytology
- 1.9. Validity of Diagnostic Tests
  - 1.9.1. Sensitivity
  - 1.9.2. Specificity
  - 1.9.3. Safety
  - 1.9.4. Predictive Values
  - 1.9.5. Accuracy
  - 1.9.6. Precision
- 1.10. Research
  - 1.10.1. Observation or Research?
  - 1.10.2. Types of Studies
  - 1.10.4. Systematic Reviews
  - 1.10.3. Meta-analytical Study
  - 1.10.4. Clinical Trials
  - 1.10.5. Publication and Scientific Articles: Criteria



# 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

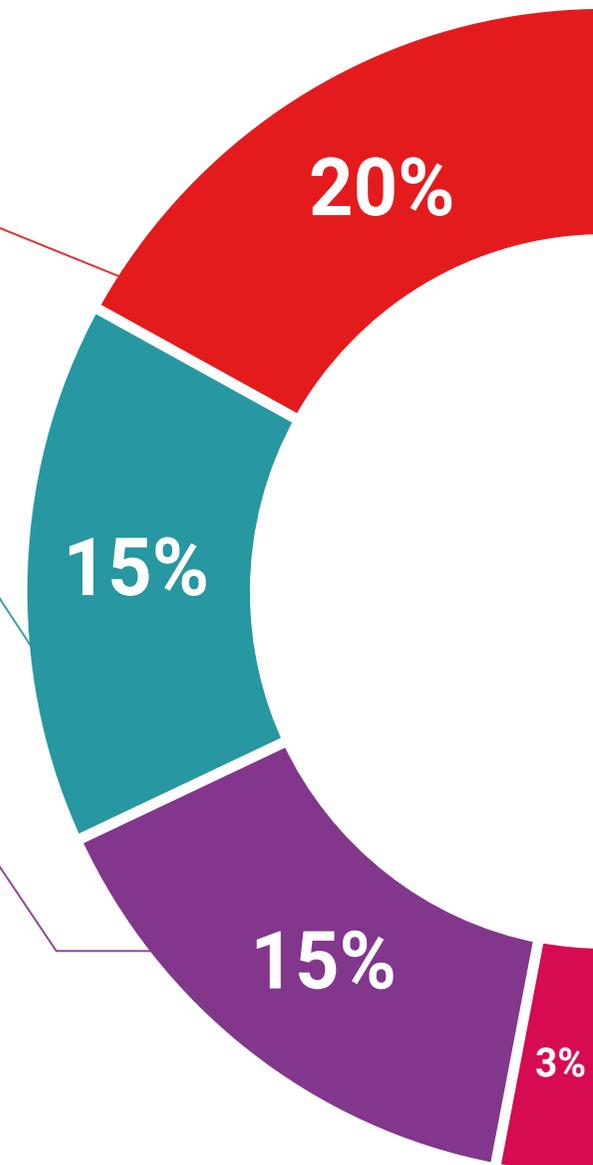
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

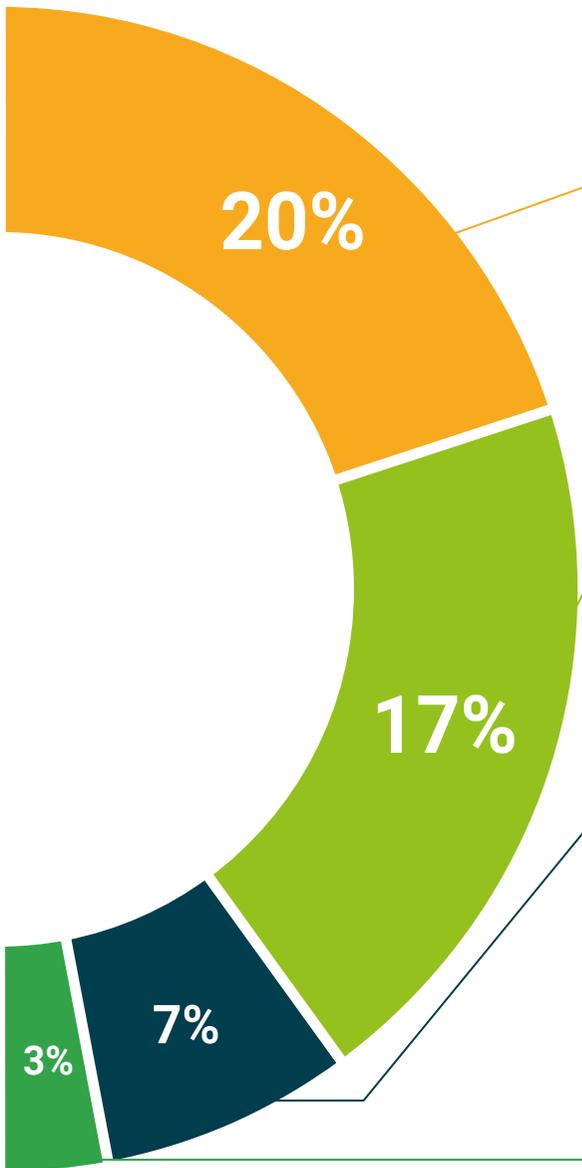
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 Oral Medicine and Diagnostic Methods guarantees you, 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 Oral Medicine and Diagnostic Methods** 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 Oral Medicine and Diagnostic Methods**

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

online training

development languages

virtual classroom

**tech** global  
university

Postgraduate Certificate

Oral Medicine and  
Diagnostic Methods

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

# Postgraduate Certificate

## Oral Medicine and Diagnostic Methods