

# Postgraduate Certificate

## Anatomopathology of the Oral Cavity and Elementary Lesions





## Postgraduate Certificate

### Anatomopathology of the Oral Cavity and Elementary Lesions

- » 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/anatomopathology-oral-cavity-elementary-lesions](http://www.techtute.com/us/dentistry/postgraduate-certificate/anatomopathology-oral-cavity-elementary-lesions)

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# 01

# Introduction

Knowledge of the main lesions that can occur in the oral cavity is essential for the preparation of dental professionals, since they will frequently see patients with this type of pathology in their practices. This specific academic program on anatomopathology of the oral cavity and common lesions has been designed to enhance the specialization of these professionals. A program of high academic standing that should not be missed.





Nr.

DATE EXPOSURE

1	16-11-2009
2	16-11-2009
3	11-3-2013
4	5-3-2015
5	5-3-2015
6	28-3-2013
7	19-7-2011
8	
9	1-3-2009
10	28-11-2009

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*Specialize in Elementary Lesions of the oral cavity and offer more personalized care to your patients"*



The Postgraduate Certificate in Anatomopathology of the Oral Cavity and Elementary Lesions deals with a necessary aspect when it comes to knowing, through different morphological techniques, the etiology, evolution and sequelae of a pathology, being its purpose to promote an accurate and early diagnosis in the dental case. This is mainly carried out through a biopsy, an essential technique to determine the malignancy of a lesion, as well as its advantages, disadvantages, techniques and applications; but also in the preparation of the patient when communicating a pathological finding, encouraging the empathic and oratory tasks of the dentist through our educational methodology.

Likewise, in addition to discussing the health applications of anatomopathology and its aspects, elementary lesions will be discussed. For this purpose, an anatomical review and a histological breakdown of the different structures that make up the oral mucosa tissues will be performed, as well as a classification so that the professional assimilates advanced concepts for diagnosis that provide confidence while promoting the development of health and reasoning based on learning oriented to daily practice through a complete educational learning program.

This academic program is characterized by its dynamic methodology that intersperses clinical cases for the student to identify and associate the subject matter explained with its corresponding image, as well as questionnaires to evaluate their knowledge and put it to the test, bringing the dentist as close as possible to those situations that will be presented daily in the office to be able to focus and manage them in a coordinated, efficient and planned manner, all mediated by working professionals who will help you during the learning process to achieve a complete education in all aspects.

One of its main advantages is that, as it is an online Postgraduate Certificate, the student is not conditioned by fixed schedules or the need to move to another physical location, but can access the contents at any time of the day, balancing their work or personal life with their academic life.

This **Postgraduate Certificate in Anatomopathology of the Oral Cavity and Elementary Lesions** contains the most complete and up to date scientific program on the market.

The most important features of the program include:

- ♦ The development of 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



*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 Anatomopathology of the Oral Cavity and Elementary Lesions, you will obtain a university degree from TECH Technological University"*



*This course allows training in simulated environments which provide immersive learning programmed to train for real situations”*

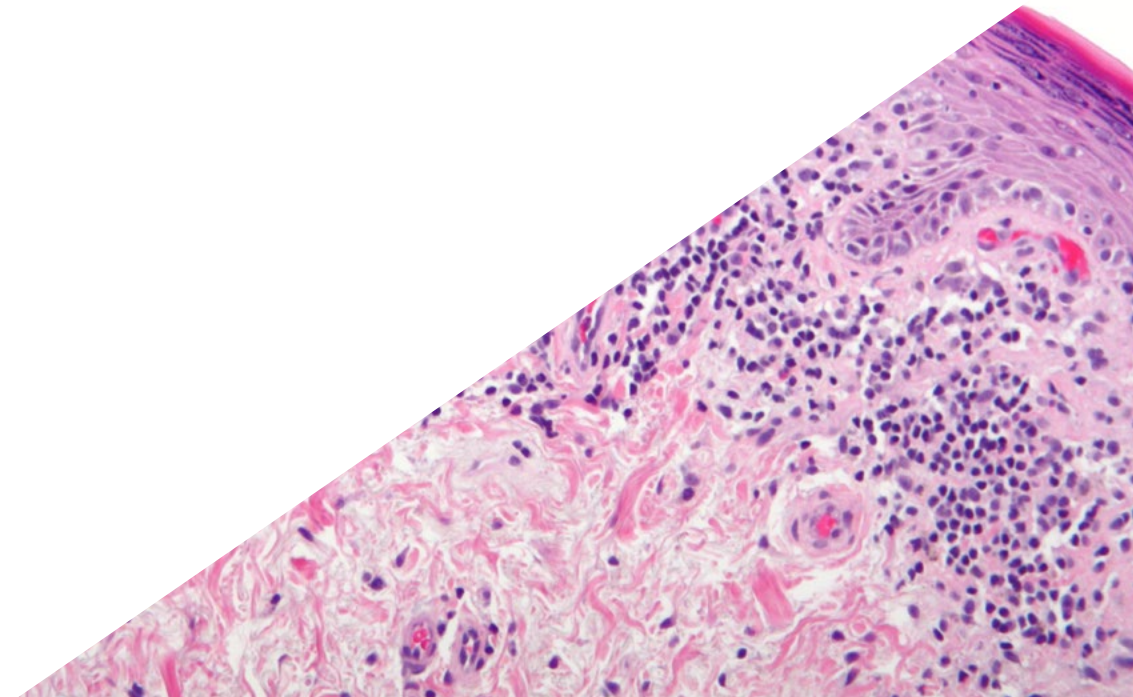
Its teaching staff includes professionals from the field of medicine Oral, who bring to this program the experience of their work, as well as renowned specialists from leading societies and prestigious universities.

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 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 leading experts in Anatomopathology of the Oral Cavity and Elementary Lesions.

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

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



# 02 Objectives

The Postgraduate Certificate in Anatomopathology of the Oral Cavity and Elementary Lesions is aimed at enhancing the dentist's actions when dealing with patients with oral health problems, generating 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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- ♦ Get 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, is able to 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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- ◆ Specialize in anatomopathology and its branches to be able to apply this knowledge at the clinical level within a scientifically justified theoretical framework
- ◆ Perform exhaustive anatomical reviews at the macro and microscopic level
- ◆ Gain in-depth knowledge of the various applications of pathological anatomy
- ◆ Assess the various methods of specimen studies and various techniques
- ◆ Learn and manage biopsy techniques, indications and contraindications, as well as various staining techniques
- ◆ Achieve a technical, theoretical and professional update that will allow you to make a difference at the professional level
- ◆ Learn to perform schematic classifications of the different types of elementary lesions and their differences



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



03

# Course Management

Our teaching team, experts in oral medicine, have a wide range of expertise in the profession and are highly qualified professionals with years of teaching experience who have come together to help you give your profession a boost. To this end, they have developed this Postgraduate Certificate with recent innovations in the subject that will allow you to train and improve your skills in this sector.







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*Leading professionals in the field have come together to teach you the latest advances in Veterinary Anesthesia and Analgesia for Dentists”*

## 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
- ♦ Fase-Valtodent Clinic, Valdetorres del Jarama, Dr. Fariñas. 2018-2019
- ♦ Degree in Dentistry from the European University of Madrid UEM, 2001-2006
- ♦ Master's Degree in Oral Surgery and Implantology Madrid University Hospital 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 Lasers (SELO) 2019

## Professors

### Dr. Ortega Gayoso, Guillermo

- ♦ General Dentistry and Implantology. Private practice in Paris Since 2017
- ♦ Master's Degree in Implant Prosthetics. Paris Diderot University, Paris, 2015-2017
- ♦ Certificate of higher studies (CES) Prosthetic dentistry with mention in fixed prosthodontics Université Paris Diderot, Paris, 2017
- ♦ Master's Degree in Oral Surgery and Implantology Madrid University Hospital 2010-2013
- ♦ Degree in Dentistry CEU San Pablo University, Madrid 2005-2010
- ♦ Implantology and Implant Rehabilitation Practitioner in Paris 2014-2020
- ♦ Lecturer in national and international conferences



# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of specialization in daily practice, aware of the current relevance of education 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 program on the market. We seek excellence and we want to help you achieve it too”*

## Module 1. Applied Anatomopathology and Elementary Lesions

- 1.1. Pathology Branches
  - 1.1.1. General Pathology
  - 1.1.2. Systemic Pathology
  - 1.1.3. Molecular Pathology
  - 1.1.4. Molecular Biology
  - 1.1.5. Dental and Health Care Applications
- 1.2. Oral Mucosal Histopathology
  - 1.2.1. Anatomy Recap
  - 1.2.2. Histological Structure
  - 1.2.3. Microscopic Elementary Oral Mucosa Lesions
  - 1.2.4. Epithelial Tissue
    - 1.2.4.1.1. Keratinized
    - 1.2.4.1.2. Non-Keratinized
  - 1.2.5. Epithelial Cell Junctions
    - 1.2.5.1. Desmosome
    - 1.2.5.2. Hemidesmosomes
    - 1.2.5.3. Others
- 1.3. Pathological Anatomy Fundamentals
  - 1.3.1. Applications
  - 1.3.2. Techniques
  - 1.3.3. Study Method
    - 1.3.3.1. Autopsy
    - 1.3.3.2. Experimental Method
- 1.4. Functional Classification of Oral Mucosa
  - 1.4.1. External Labial Mucosa
  - 1.4.2. Lining Mucosa
  - 1.4.3. Specialized Mucosa
- 1.5. Elementary Lesions
  - 1.5.1. Features
  - 1.5.2. Classification
  - 1.5.3. Etiology



- 1.5.4. Chemical Agents
  - 1.5.4.1. Chemical Burns: Substances and Drugs
  - 1.5.4.2. Post-Anesthesia Necrosis
  - 1.5.4.3. Secondary Drug Lesions
- 1.5.5. Physical Agents
  - 1.5.5.1. Burns
    - 1.5.5.1.1. Thermal
    - 1.5.5.1.2. Electrical
- 1.5.6. Mechanical Agents
  - 1.5.6.1. Alba Line
  - 1.5.6.2. Frictional Hyperkeratosis
  - 1.5.6.3. Leukoedema
  - 1.5.6.4. Nibbling
  - 1.5.6.5. Trauma
  - 1.5.6.6. Ulcers
    - 1.5.6.6.1. Decubitus
    - 1.5.6.6.2. Traumatic
- 1.5.7. Allergic Oral Pathology
  - 1.5.7.1. Angioedema
  - 1.5.7.2. Allergic Contact Stomatitis
  - 1.5.7.3. Anaphylactic Shock
- 1.5.8. Iatrogenesis
- 1.6. Solid Content Elementary Lesions
  - 1.6.1. Macula
  - 1.6.2. Papule
  - 1.6.3. Nodes
  - 1.6.4. Bleb
  - 1.6.5. Tuber
  - 1.6.6. Rubber
  - 1.6.7. Keratosis
  - 1.6.8. Tumours
- 1.7. Liquid Content Elementary Lesions
  - 1.7.1. Phlyctena
  - 1.7.2. Gall Bladder
  - 1.7.3. Blister
  - 1.7.4. Pustules
  - 1.7.5. Cyst
- 1.8. Secondary Lesions
  - 1.8.1. Continuity Solution
  - 1.8.2. Removable Residue
  - 1.8.3. Restorative Processes
- 1.9. Staining
  - 1.9.1. Oral Mucosa Dyschromia
  - 1.9.2. Exogenous
  - 1.9.3. Endogenous
- 1.10. Other Lesions
  - 1.10.1. Sclerosis
  - 1.10.2. Ulcers and Erosion
  - 1.10.3. Lichenification
  - 1.10.4. Intertrigo
  - 1.10.5. Infiltration
  - 1.10.6. Ocular Involvement



*A unique, key, and decisive experience to boost your professional development*

# 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.



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.

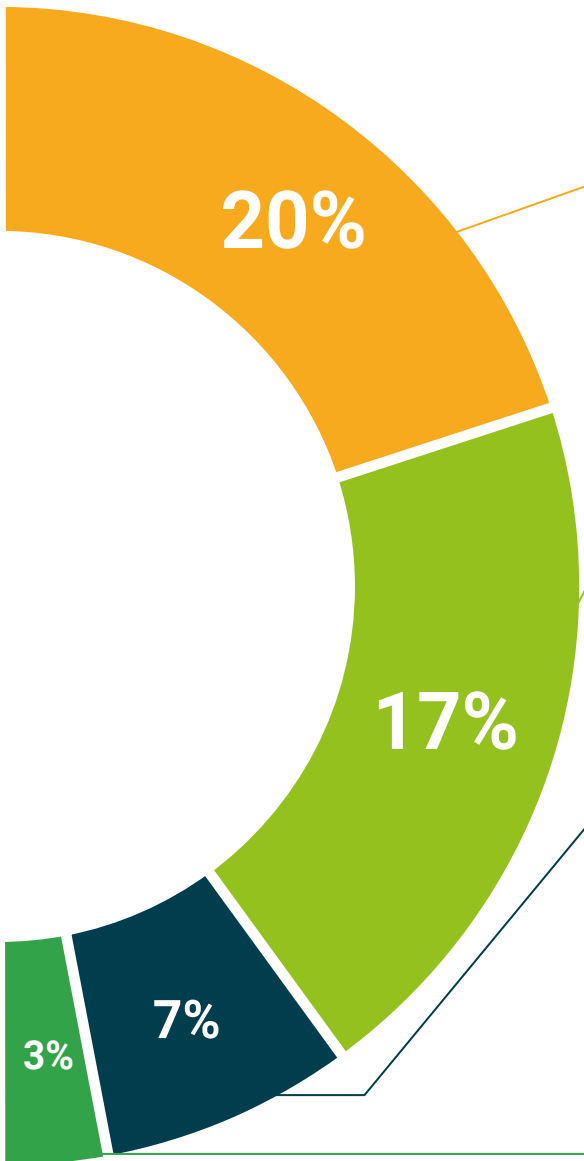
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story"



### 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 Anatomopathology of the Oral Cavity and Elementary Lesions guarantees, 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 bottom right corner of the image is overlaid with a white diagonal shape that contains text.

“

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



This **Postgraduate Certificate in Anatomopathology of the Oral Cavity and Elementary Lesions** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Certificate in Anatomopathology of the Oral Cavity and Elementary Lesions**

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

online tra

development

language

virtual classroom

**tech** technological  
university

## Postgraduate Certificate

Anatomopathology of  
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