

# Postgraduate Certificate

## Bone Lesions and Maxillary Cysts





## Postgraduate Certificate Bone Lesions and Maxillary Cysts

- » 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/bone-lesions-maxillary-cysts](http://www.techtute.com/us/dentistry/postgraduate-certificate/bone-lesions-maxillary-cysts)

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# 01

# Introduction

This program fosters dentists' skills to diagnose and treat bone lesions and maxillary cysts. This helps to enhance their education in perception, acuity in medical history, visual and pragmatic skills, as well as prudence and caution when prescribing a treatment that may interfere with these bone pathologies. Therefore, this is a unique study opportunity that you should not miss, as it has been designed by leading experts in the field.





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*Gain superior education in the diagnosis of bone lesions and offer your patients rapid improvement in their oral health"*

Dentists must have superior education in all pathologies affecting the oral cavity, as this is the only way to be able to identify their patients' oral health problems and prescribe the appropriate treatment. To achieve this goal of high qualification in dentistry, TECH has designed this Postgraduate Certificate in Bone Lesions and Maxillary Cysts, with the participation of professionals from the world of oral medicine with extensive clinical and teaching experience.

In this Postgraduate Certificate, the different types of bone lesions are classified, as well as cysts and neoplasms in an advanced level extension so that the professional fully covers a field of vital importance and that are frequent, especially in the treatment of patients with bone problems (osteoarthritis, osteoporosis, etc.).

Dentists must be able to diagnose any unusual image that they notice in an x-ray, characteristics of bone lesions that can be determined by symptomatology, but are basically diagnosed by radiographic radiodensity, in addition to various additional complementary tests. Therefore, in this program you will find the most complete information on the subject.

In addition, it should be taken into account that there are other types of bone pathologies that are related to maxillary or oral cavity symptomatology, and the dental professional can diagnose these types of diseases, as well as those related to the side effects and management of other procedures such as pharmaceuticals or sequelae of radio or chemotherapy treatments (osteonecrosis, osteoradionecrosis, biphosphonates, etc.). Therefore, it is essential to have complementary education to help them expand their education.

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 during the learning process to achieve a complete Training in all aspects.

This **Postgraduate Certificate in Bone Lesions and Maxillary Cysts** 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



*The only way you can ensure that you provide your patients with accurate advice in the field of oral medicine is through specialization"*



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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 Bone Lesions and Maxillary Cysts, you will obtain a qualification from TECH Technological University"*

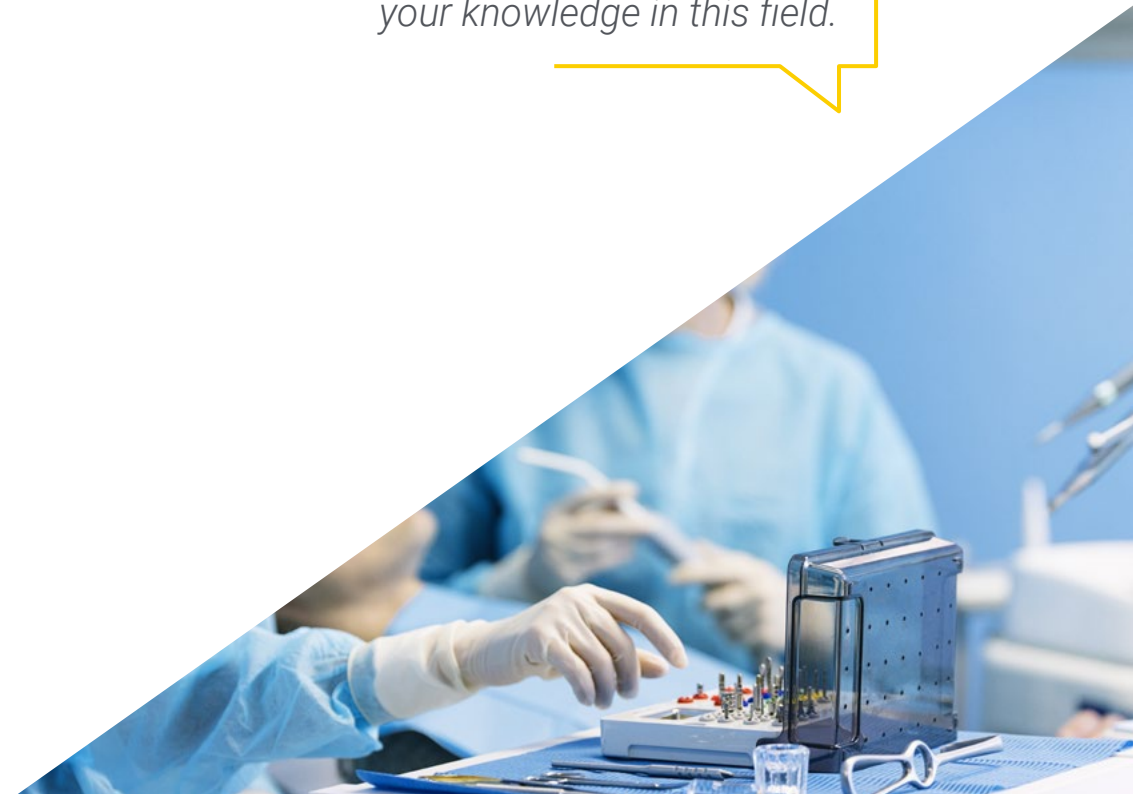
Its teaching staff includes professionals from the field of oral medicine, who contribute their work experience to this project, as well as renowned specialists from leading societies and prestigious universities.

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. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Bone Lesions and Maxillary Cysts.

*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 Postgraduate Certificate will allow you to balance your studies with your professional work while increasing your knowledge in this field.*



# 02 Objectives

The Postgraduate Certificate in Bone Lesions and Maxillary Cysts is designed to facilitate the dentist when 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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- ♦ 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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- ◆ Learn the classification and characteristics of the different lesions
- ◆ Understand the etiology and development of bone lesions, as well as the importance of their diagnosis
- ◆ Know how to recognize the different types of epithelial cysts, both odontogenic and non-odontogenic, and their current prevalence
- ◆ Gain in depth knowledge of other fundamental pathologies such as those derived from chemotherapy or radiotherapy (osteoradionecrosis)
- ◆ Verify the importance of bisphosphonates and other drugs related to bone aspects and their interaction in clinical performance (osteonecrosis)
- ◆ Delve deeper into the prevention, treatment and monitoring necessary to cope with these lesions
- ◆ Verify essential patient bedside manner in every instance, as well as patient rights to information and adequate performance of medical interconsultations



*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 ample recognition in the profession and are professionals with years of teaching experience who have come together to help the student give a boost to their profession. 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”*

## Management



### Dr Sánchez Sánchez, Almudena

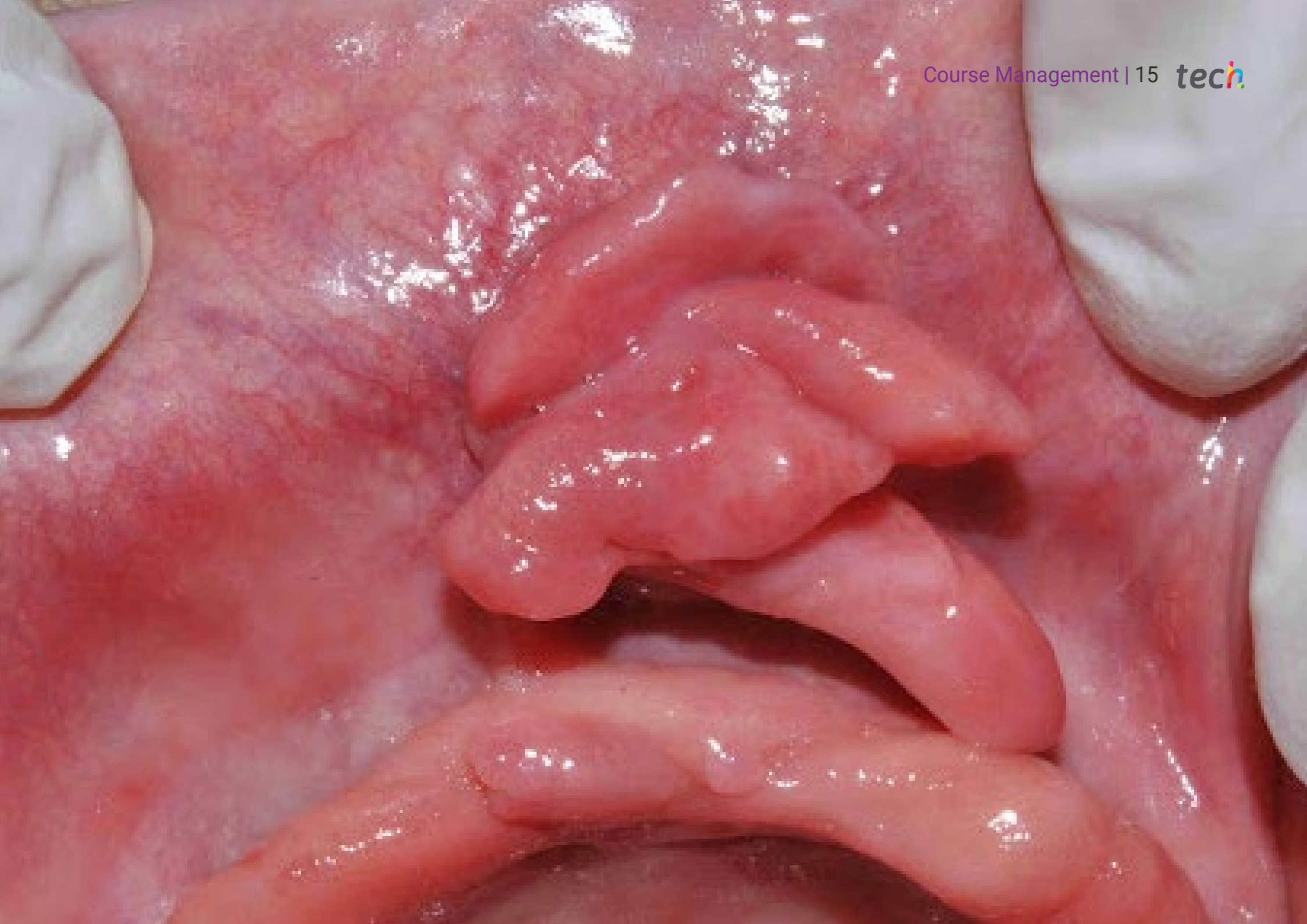
- ♦ Founding Partner, Medical Director, SMILE FACTORY Clinic, Advanced Dentistry, Since 2014
- ♦ Daily clinical practice of Oral Surgery, Implantology, Oral Medicine, Periodontics and Implantoprosthodontics since 2006
- ♦ Degree in Dentistry from the European University of Madrid UEM, 2001-2006
- ♦ Professional 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. Concha Jerónimo, Ada

- ♦ Oral Surgeon and Implantology, Prosthodontics and esthetics in private clinic, Dental Torrox, Malaga, From 2019
- ♦ Develops clinical doctoral thesis, research in Oral Implantology, Chair of Oral Surgery, Doctor Pablo Galindo, UGR, Since 2017
- ♦ Professional Master's Degree in Aesthetic Multidisciplinary Dentistry, University of Granada, 2017-2019
- ♦ Professional Master's Degree in Dental Sciences, University of Granada, 2017-2018
- ♦ Professional Master's Degree in Oral Surgery and Implant Dentistry, University Hospital of Madrid, 2010-2013
- ♦ Degree in Dentistry, European University of Madrid, 2005-2010
- ♦ Oral Surgeon, Prosthodontics and Aesthetics, Clínica Fernandez Abarca, Motril, Since 2018
- ♦ Clinical Research Applied to Implantology, Faculty of Dentistry, UGR, Since 2017





04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of the program 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. Bone Lesions and Maxillary Cysts

- 1.1. General Information on Bone Tissue
  - 1.1.1. Bone Tissue and Histology
  - 1.1.2. Transformation and Remodeling
    - 1.1.2.1. Systemic Factors
    - 1.1.2.2. Local Factors
  - 1.1.3. Concepts and Terminology
    - 1.1.3.1. Hyperplasia
    - 1.1.3.2. Dysplasia
    - 1.1.3.3. Neoplasia
- 1.2. Etiopathogenesis and Classification
  - 1.2.1. Classification
  - 1.2.2. Predisposing Factors
  - 1.2.3. Etiology
  - 1.2.4. Diagnostic tests
- 1.3. Bone Pathology
  - 1.3.1. Osteoporosis
  - 1.3.2. Osteomalacia
  - 1.3.3. Osteosclerosis
  - 1.3.4. Fibrous Dysplasia
  - 1.3.5. Parathyroid Osteosis
  - 1.3.6. Lymphomas
  - 1.3.7. Myelomas
- 1.4. Maxillary Bone Infections
  - 1.4.1. Periodontitis
  - 1.4.2. Cellulite
    - 1.4.2.1. Pathologies
    - 1.4.2.2. Chronic
  - 1.4.3. Fistulas.
    - 1.4.3.1. Acquired
    - 1.4.3.2. Chronic
  - 1.4.4. Osteitis
  - 1.4.5. Osteomyelitis
  - 1.4.6. Osteoperiostitis
- 1.5. Other Bone Pathologies
  - 1.5.1. Osteogenesis Imperfecta
  - 1.5.2. Osteonecrosis
  - 1.5.3. Osteoradionecrosis
  - 1.5.4. Bisphosphonates
    - 1.5.4.1. Features
    - 1.5.4.2. Clinical Management
- 1.6. Developmental Epithelial Odontogenic Cysts
  - 1.6.1. Infant Gingival Cyst or Epstein Pearls
  - 1.6.2. Primordial Cyst
  - 1.6.3. Dentigerous or Follicular Cysts
  - 1.6.4. Eruption Cyst
  - 1.6.5. Lateral Periodontal Cyst
  - 1.6.6. Adult Gingival Cyst
  - 1.6.7. Glandular Odontogenic Cyst
  - 1.6.8. Odontogenic Keratocyst
- 1.7. Non-Odontogenic Developmental Epithelial Cysts
  - 1.7.1. Nasopalatine Duct Cyst
  - 1.7.2. Nasolabial Cyst
  - 1.7.3. Globulomaxillary Cyst
  - 1.7.4. Median Alveolar, Palatine and Mandibular Cysts
  - 1.7.5. Differential Diagnosis



- 1.8. Inflammatory Epithelial Cysts
  - 1.8.1. Radicular Cyst
    - 1.8.1.1. Apical and Lateral Cyst
    - 1.8.1.2. Residual Cyst
  - 1.8.2. Paradental Cyst
  - 1.8.3. Differential Diagnosis
- 1.9. Non-Neoplastic Bone Lesions or Pseudocysts
  - 1.9.1. Solitary Bone Cyst
  - 1.9.2. Aneurysmal Bone Cyst
  - 1.9.3. Differential Diagnosis
- 1.10. Osteofibrous Diseases
  - 1.10.1. Maxillary Fibrous Dysplasia
  - 1.10.2. Cemento-Osseous Dysplasias
    - 1.10.2.1. Periapical Cemento-Osseous Dysplasia
    - 1.10.2.2. Florid Cemento-Osseous Dysplasia
  - 1.10.3. Cherubism
  - 1.10.4. Giant Cell Central Granuloma
  - 1.10.5. Albright Syndrome
  - 1.10.6. Paget's Disease
  - 1.10.7. Caffey's Disease
  - 1.10.8. Histiocytosis X
  - 1.10.9. Basal Cell Nevus or Gorlin's Syndrome
  - 1.10.10. Osteogenic Neoplasms



*A unique, key, and decisive educational 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.



## 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

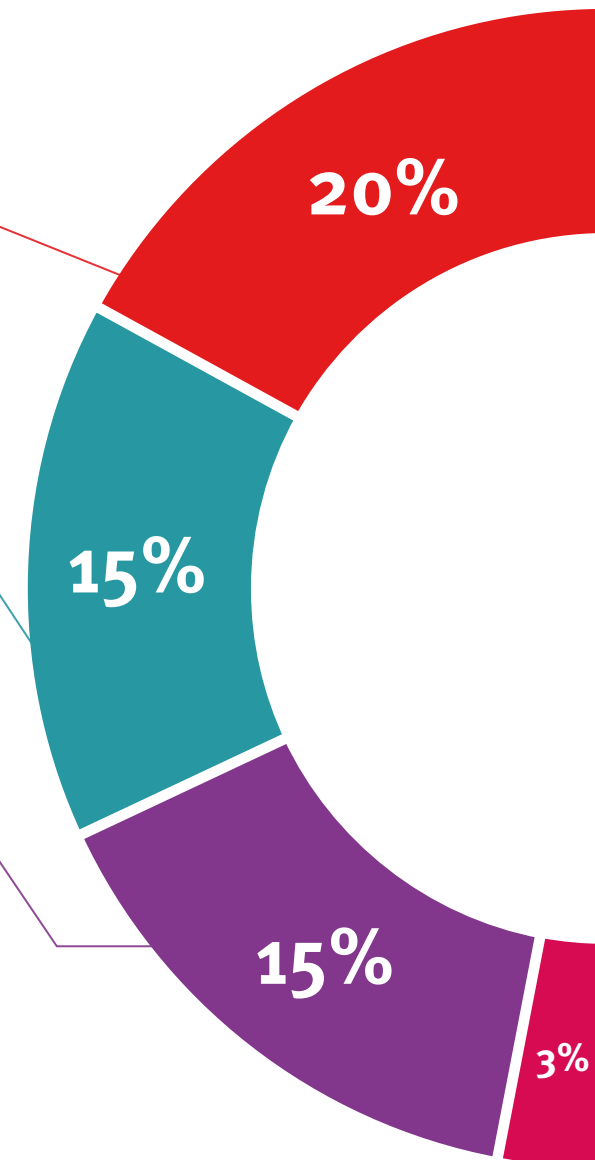
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

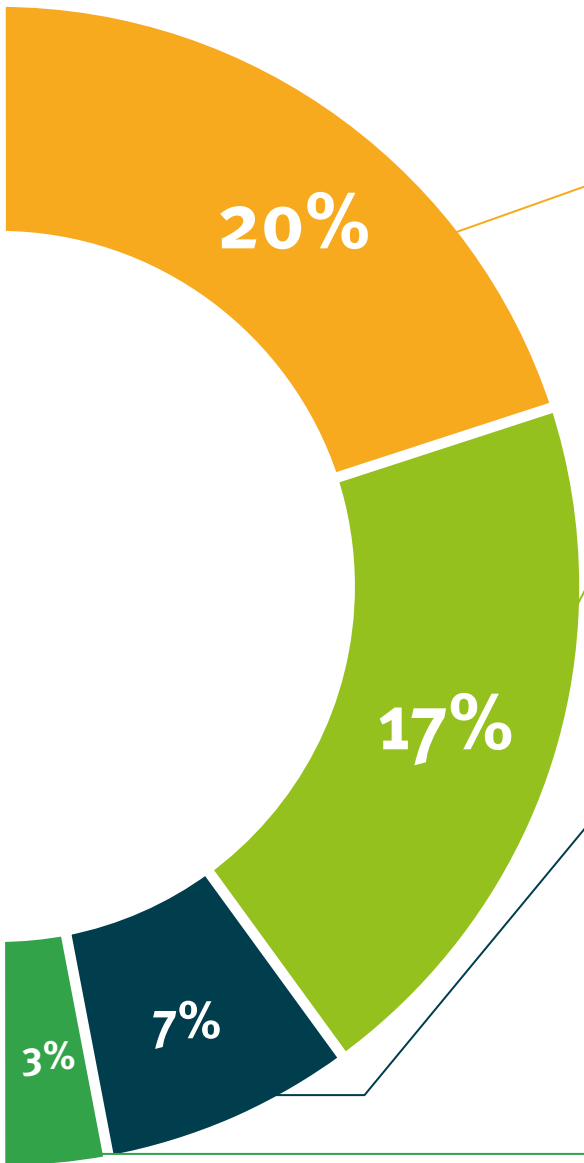


### Additional Reading

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 Bone Lesions and Maxillary Cysts guarantees students, in addition to the most rigorous and up to date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Bone Lesions and Maxillary Cysts** 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** 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 Bone Lesions and Maxillary Cysts**

**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 quality  
development language  
virtual classroom



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