

Postgraduate Certificate

Vertical Growth Problems and How to Treat Them





Postgraduate Certificate Vertical Growth Problems and How to Treat Them

- » 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/vertical-growth-problems-how-treat-them

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

Good oral health is essential for any person, and, for this, all pathologies related to the jaw must be treated in time. The main problems related to vertical growth are open bite and deep bite, which may be accompanied by other anomalies.





“

This is the most complete program in Vertical Growth Problems you can find. Don't hesitate any longer, join our community of students and train yourself for success"

In this Postgraduate Certificate in Vertical Growth Problems and How to Treat Them, uncommon types of vertical growth of teeth will be described and explained, classifying the pathologies for their detailed study according to the planes of space.

In this way, the student will be taught how to identify an alteration in vertical growth with the manifestations in the form of dental malocclusion, such as open bite or deep bite. In this way, the student will learn the three types of vertical growth patterns described: from a mesofacial pattern, in which growth is normal; a dolichofacial pattern, in which vertical facial growth is increased; and a brachyfacial pattern, in which vertical growth is decreased.

The prevalence of these malocclusions according to sex and race will also be discussed, in order to know in which groups are more likely to encounter one type of growth or another. Its etiology will be studied to find out what causes a patient to have an altered growth pattern.

Furthermore, knowing the existing types of malocclusions and facial patterns, the student will learn to recognize and diagnose this type of problems, supported by radiological and photographic tests, in order to be able to treat the patient correctly.

Finally, the student will be instructed in the dentist's ability to modify the occlusal plane with treatment, using functional and orthopedic appliances, and the importance of their management to solve these problems in vertical growth.

This **Postgraduate Certificate in Vertical Growth Problems and How to Treat Them** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of practical cases presented by experts in vertical growth problems
- ◆ 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
- ◆ The latest developments on vertical growth problems
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Its special emphasis on innovative approaches to vertical growth problems
- ◆ 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



Our courses have a multitude of practical cases that provide you with the opportunity to study in a simulated environment"

“

This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Vertical Growth Problems and How to Treat Them, you will obtain a qualification endorsed by TECH Global University"

It includes in its teaching staff professionals belonging to the field of Dentofacial Orthopedics, who bring to this specialization the experience of their work, in addition to recognized 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 professionals must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system developed by recognized and experienced experts in the field of Vertical Growth Problems.

Do not hesitate to take this specialization with us and improve your daily practice.

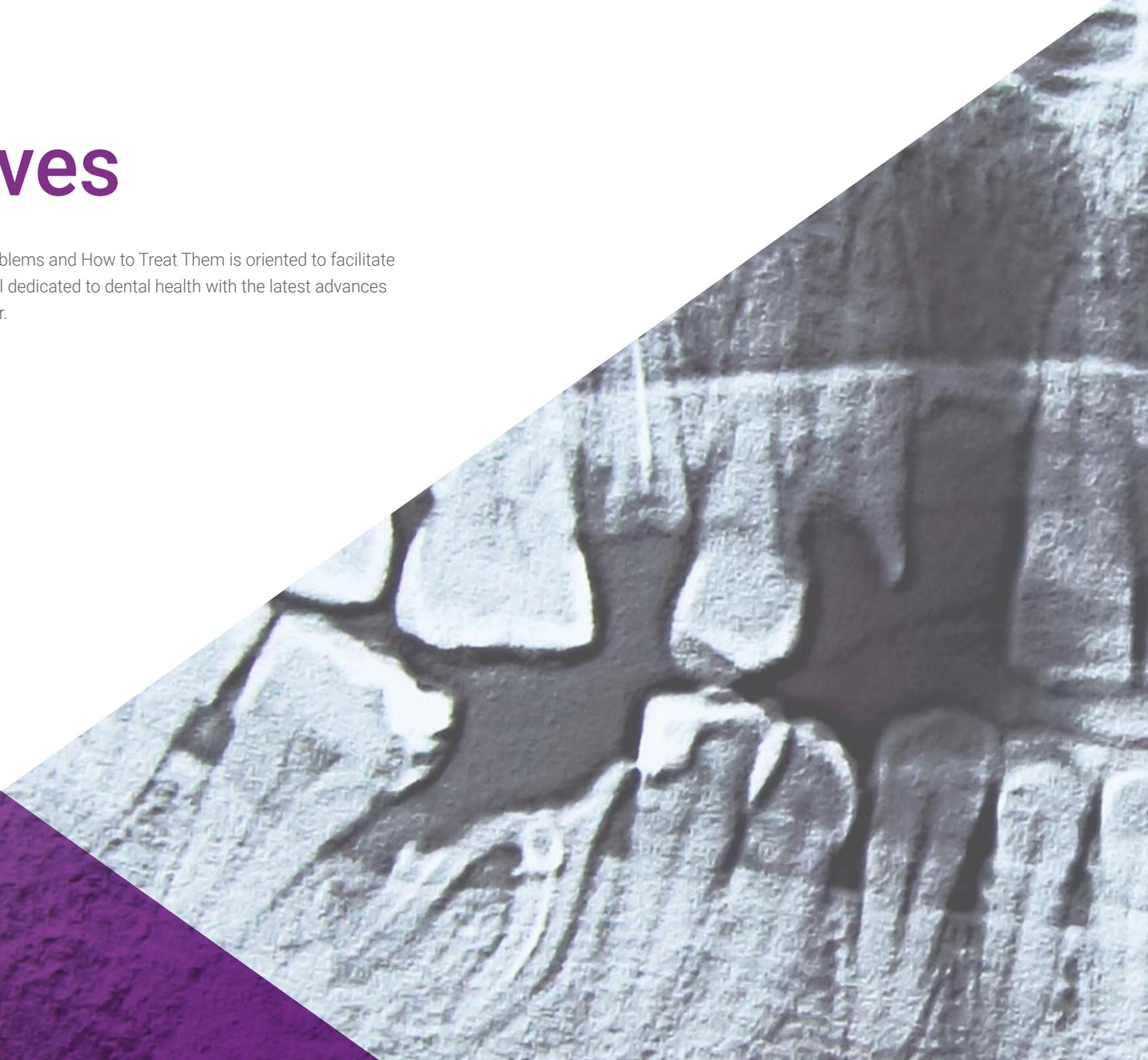
This 100% online program will give you the opportunity to balance your studies with your professional work while increasing your knowledge in this field.

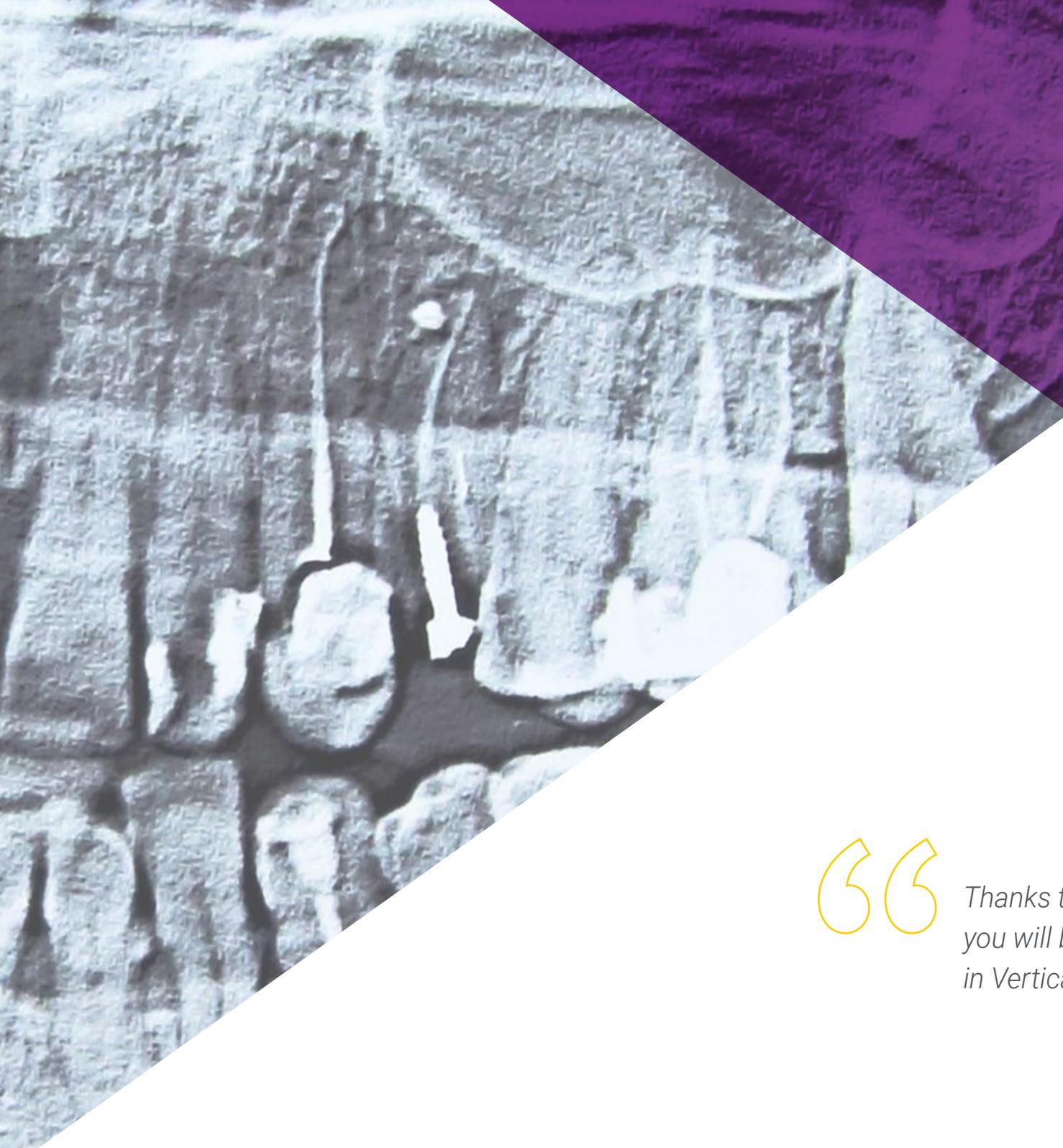


02

Objectives

The program in Vertical Growth Problems and How to Treat Them is oriented to facilitate the performance of the professional dedicated to dental health with the latest advances and newest treatments in the sector.





“

*Thanks to this qualification
you will be able to specialize
in Vertical Growth Problems”*



General objectives

- ♦ Learn the basic principles of dentomaxillary orthopedics
- ♦ Master the growth process to know how to try to guide it during orthopedic treatment
- ♦ Be able to master the dental eruption process, as well as any possible anomalies
- ♦ Recognize all the structures present in the tests to make a complete and accurate diagnosis, which is essential when choosing the ideal treatment
- ♦ Learn how to perform the most commonly used cephalometry tests, which will provide important data on growth and will allow you to choose the best treatment
- ♦ Be able to identify vertical problems present in the patient and explain their most common manifestations
- ♦ Learn to identify the manifestations of transversal problems in growth and their causes
- ♦ Learn about all anteroposterior malocclusions and their complexities in order to choose the best possible treatment in each case
- ♦ Learn the rules that must be followed in order to obtain harmonious growth, as well as the devices that exist to achieve it
- ♦ Discover the impact that habits have on craniofacial development and the appliances we can use to correct them and allow the patient to develop correctly
- ♦ Be able to identify asymmetries and define their etiology





Specific objectives

- Delve into the vertical problem of craniofacial growth
- Recognize the clinical manifestations of vertical problems, such as open bite and deep bite
- Describe the different vertical growth patterns, which will be very useful when choosing potential treatments
- Recognize the prevalence and etiology of vertical growth disorders
- Learn how to diagnose these vertical problems by using various diagnostic tests
- Understand how the occlusal plane is managed with the various appliances to try to improve patient vertical growth

“

Make the most of this opportunity and take the step to get up to date on the latest developments in Vertical Growth Problems and How to Treat Them”

03

Course Management

The program includes in its teaching staff reference experts in Dentofacial Orthopedics, who contribute their work experience to this specialization. Additionally, other recognized specialists participate in its design and preparation which means that the program is developed in an interdisciplinary manner.





“

*Leading professionals in the field
have come together to teach you
the latest advances in Vertical
Growth Problems”*

Management



Dr. Merino González, Belén

- ♦ Dental Surgeon at Merino Orthodontics
- ♦ Dental Surgeon at Adeslas Dental S.A.U., Torrelara Clinic and Zedent Clinic
- ♦ Management in the Surgery Department at Ziving Clinic
- ♦ Periodontist at SMY-CLINICS LIMITED and Vivanta
- ♦ Master's Degree in Surgery, Periodontics and Implantology from the University of Alcalá de Henares



Merino González, Ramón

- ♦ Dentomaxillary Orthodontist at Merino Orthodontics
- ♦ Management in the Orthodontics and Orthopedics Department at Ziving Clinic
- ♦ Specialist in Orthodontics and Whitening for Los Robles Dental Clinic
- ♦ Preclinical Master's Degree from the I.U. Mississippi of the University of Houston
- ♦ Master's Degree in Orthodontics and Dentomaxillary Orthopedics from the University of Alcalá de Henares.
- ♦ Certified Invisalign Platinum Provider title



04

Structure and Content

The structure of the contents has been designed by leading professionals in Dentofacial Orthopedics, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to dental health.





“

This Postgraduate Certificate in Vertical Growth Problems and How to Treat Them contains the most complete and up-to-date scientific program on the market”

Module 1. Vertical Problem

- 1.1. Definition
- 1.2. Open Bite
- 1.3. Deep Bite
- 1.4. Mesofacial Pattern
- 1.5. Dolico-facial Pattern
- 1.6. Brachy-facial Pattern
- 1.7. Diagnosis
- 1.8. Prevalence
- 1.9. Etiology
- 1.10. Occlusal Plane Management





“

A complete and well-developed syllabus that will propel you towards excellence in your profession in the simplest and most effective way"

05

Methodology

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

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





“

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the dentist's professional practice.

“

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

The student will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 115,000 dentists with unprecedented success, in all specialties regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

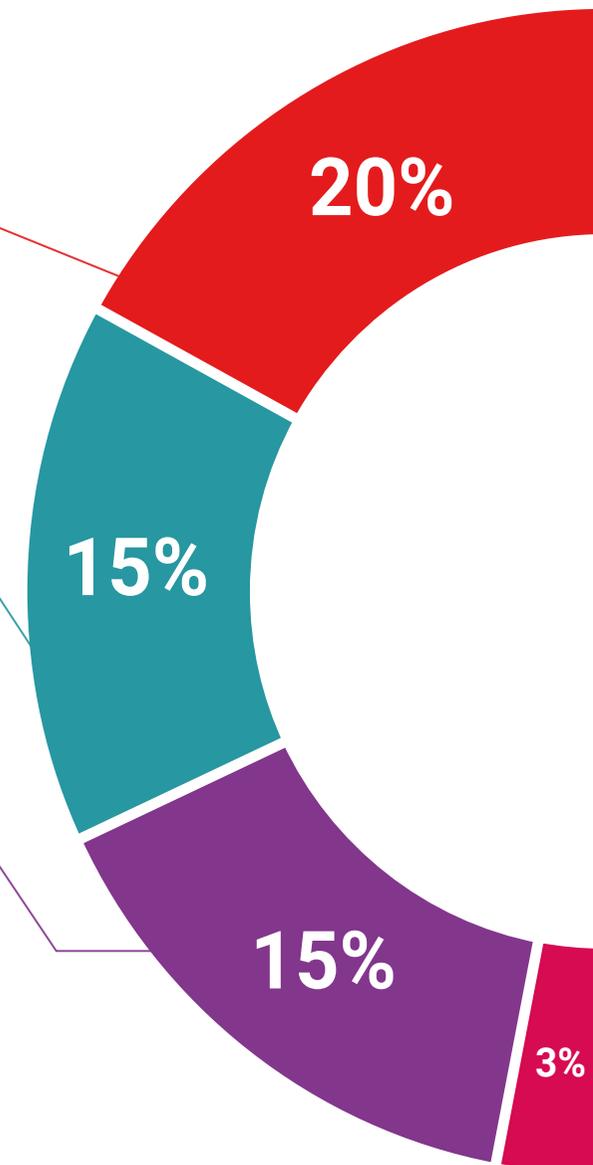
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

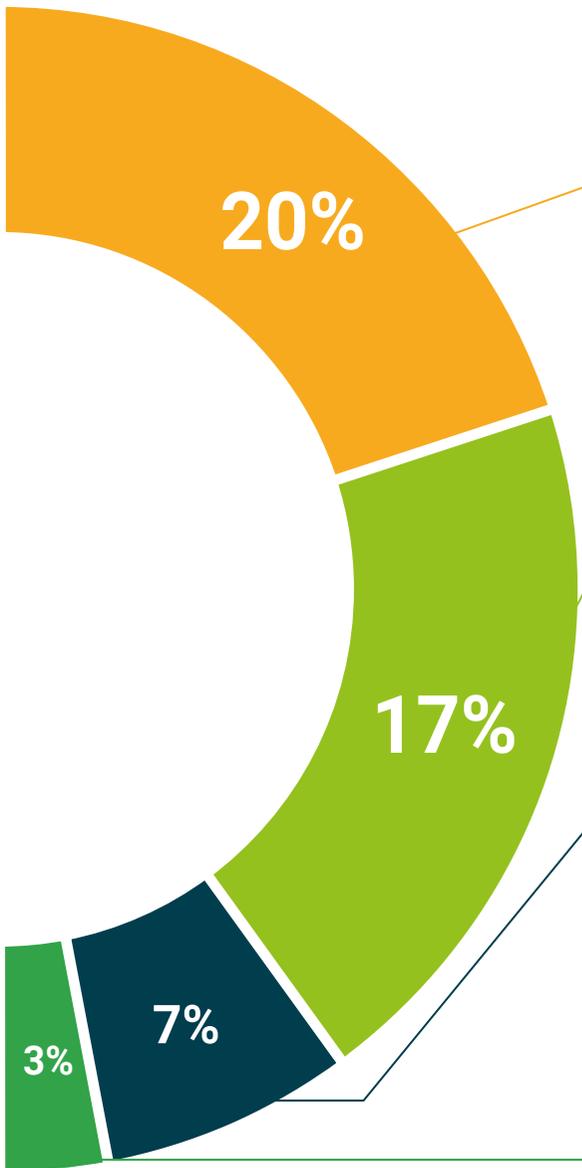
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

Certificate

The Postgraduate Certificate in Vertical Growth Problems and How to Treat Them guarantees you, in addition to the most rigorous and up-to-date training, access to a Professional Master's Degree issued by TECH Global University.





“

Successfully complete this program and receive your university degree without travel or laborious paperwork”

This program will allow you to obtain your **Postgraduate Certificate in Vertical Growth Problems and How to Treat Them** 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 Vertical Growth Problems and How to Treat Them**

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
development language
virtual classroom



Postgraduate Certificate Vertical Growth Problems and How to Treat Them

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

Postgraduate Certificate

Vertical Growth Problems and How to Treat Them

