

Postgraduate Certificate

Craniofacial Complex Growth



Postgraduate Certificate Craniofacial Complex Growth

- » 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/craniofacial-complex-growth

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01

Introduction

One of the most important issues in the treatment with Dentofacial Orthopedics is growth. A deep knowledge of its phases and progress allows the professional to elaborate an adequate intervention that takes advantage of the best moments and techniques in each case. In this course we will introduce you to the latest developments on the international scene. Training that will allow you to advance in your profession with the support of the most recent updates in this field.





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A high intensity training on Craniofacial Complex Growth that will provide you with the security and professional solvency required for a high quality praxis"

This Postgraduate Certificate will develop for the student, one of the most important topics in Orthopedics such as Growth. Orthopedics, as we will see, is based on modifying or guiding growth towards where we are interested in, to correct malformations or alterations in growth. However, in order to do so, we must know how all the bones and structures of the head are formed and develop.

Head bone growth is a very complex process. The student will be taught how these bones are formed from the embryo to their complete formation. The growth of the bones in which dentists have more capacity for action, such as the maxilla and mandible, will be studied in more detail, reviewing their anatomy, their growth process and the importance of the sutures that join them.

The student will be taught the importance of knowing the growth phase in which the patients are in order to treat them at their growth peak. This way our treatments will be much more effective and the results will be better.

This **Postgraduate Certificate in The Craniofacial Complex Growth** includes the most complete and up-to-date scientific program on the market. The most important features of the course are:

- ◆ Developing practical cases presented by experts in Dentofacial Orthopedics
- ◆ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ News on Craniofacial Complex Growth
- ◆ Practical exercises where self-assessment can be used to improve learning.
- ◆ Special emphasis on innovative methodologies in Dentofacial Orthopedics
- ◆ 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



Expand your knowledge through this Postgraduate Certificate in Craniofacial Complex Growth".

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This is the best online updating program on the market for two reasons: besides updating your knowledge in Craniofacial Complex Growth, you will obtain a certificate of Postgraduate Certificate by TECH Technological University".

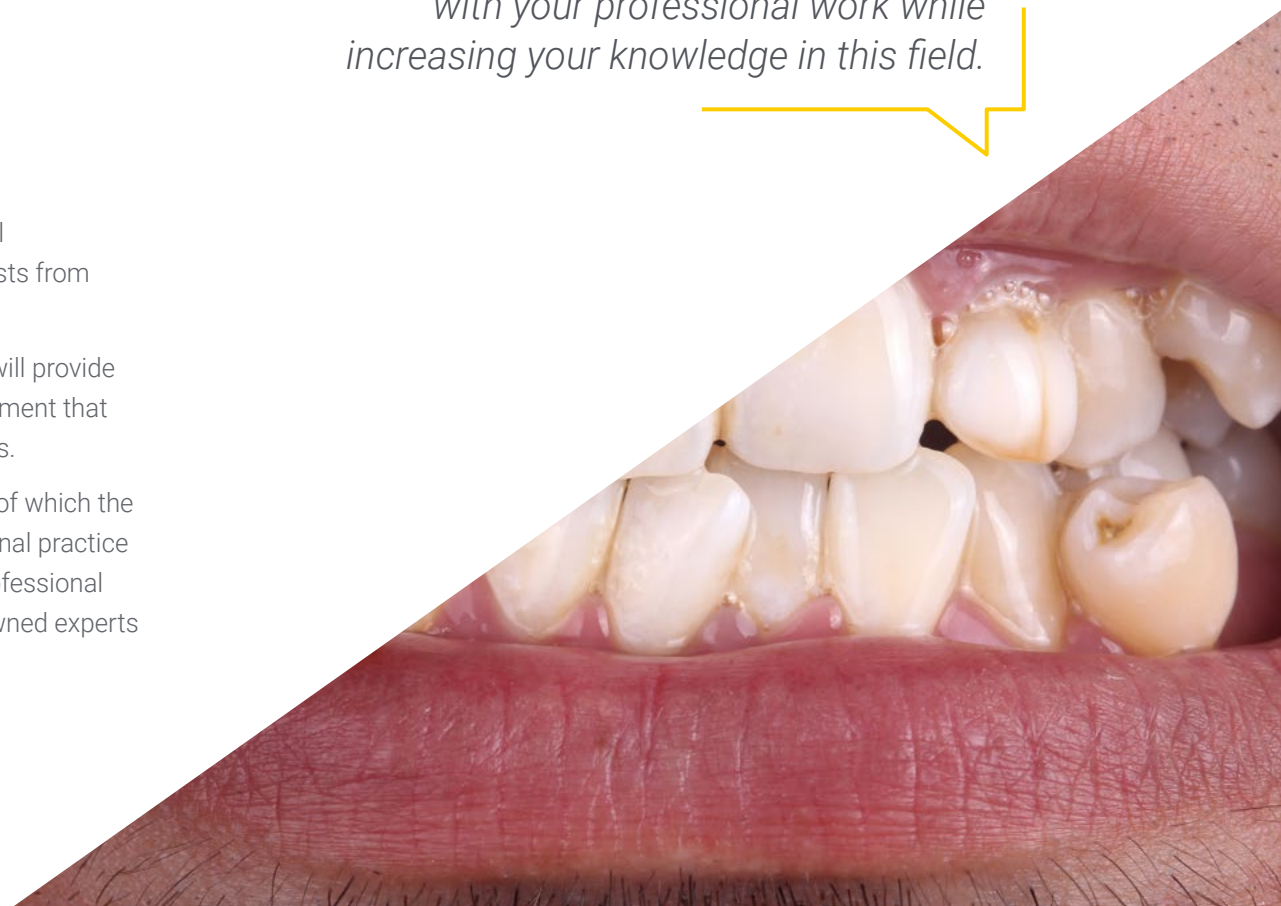
Do not hesitate on taking this specialization with us and improve your daily practice.

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

Its teaching staff includes professionals belonging to the field of Dentofacial Orthopedics, who share their work experience, as well as renowned specialists from reference societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide professionals with situated and contextual learning, i.e., a simulated environment that will provide immersive training designed for training oneself in real situations.

The design of this program focuses on Problem Based Learning, by means of which the professional must try to solve the different situations arising from professional practice throughout the academic Postgraduate Certificate. For this purpose, the professional will be assisted by an innovative interactive video system designed by renowned experts in the field of Dentofacial Orthopedics with extensive experience.



02 Objectives

The Postgraduate Certificate in Craniofacial Complex Growth is aimed towards improving the professional's performance dedicated to dental health with the latest advances and the most innovative treatments in the sector.





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Our goal is to offer you a more complete update in Craniofacial Complex Growth in order to provide you with a quality boost to your professional intervention".



General Objectives

- The student will learn the basic principles of dentomaxillary orthopedics and will review the concepts, within dentistry, necessary to understand this Master's Degree.

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Seize the opportunity and take the step to get up to date on the latest developments in Craniofacial Complex Growth”.





Specific Objectives

- A review of the fundamental concepts of craniofacial growth will be provided.
- The student will study the different phases that occur during growth.
- The different accepted theories of skeletal growth will be described.
- Labiopalatal fissures will be studied and the student will learn to identify them.
- In this module you will learn the importance of performing orthopedic treatments when in peak growth.

03

Course Management

The program includes in its teaching staff renowned experts in Dentofacial Orthopedics, who contribute their work experience to this training. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.



A hand wearing a blue surgical glove is pointing towards a computer monitor. The monitor displays a software interface with various icons and text, though it is out of focus. The background is a light-colored wall. The image is partially obscured by a large purple and white geometric overlay.

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The fundamental aspects for a good intervention based on Craniofacial Growth, from the hand of professional experts in the field".

Management



Merino González, Belén

- ◆ Degree in Dentistry from the European University of Madrid
- ◆ Postgraduate Degree in Surgery, Periodontics, and Implantology from the University of Alcalá de Henares
- ◆ Management in the Surgery Department at Ziving Clinic
- ◆ Master's Degree in Surgery Collaborator
- ◆ Associate Professor at Rey Juan Carlos University, Madrid. Surgery Department 2014-2015
- ◆ Speaker at Madrid Dental Association Conferences
- ◆ Surgery course leader
- ◆ Daily practice in a private clinic specializing in Surgery, Implantology, and Periodontics

Co-Direction



Merino González, Ramón

- ◆ Degree in Dentistry from San Pablo-CEU University.
- ◆ Postgraduate Degree in Orthodontics and Dentomaxillary Orthopedics from the University of Alcalá de Henares
- ◆ Management in the Orthodontics and Orthopedics Department at Ziving Clinic
- ◆ Preclinical TECH Master's Degree from the I.U. Mississippi.
- ◆ Orthodontist in a private clinic.



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.



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This Postgraduate Certificate in The Craniofacial Complex Growth includes the most complete and up-to-date scientific program on the market”

Module 1. Growth.

- 1.1. Definition
 - 1.1.1. Growth.
 - 1.1.2. Development
 - 1.1.3. Translocation
 - 1.1.4. Maturation.
- 1.2. Regularities of Growth and Development
- 1.3. Process complexity
- 1.4. Growth Rate of Different Body Parts
- 1.5. Craniofacial Growth Theories
- 1.6. Cranial Vault and Base Growth
- 1.7. Nasomaxillary Complex Growth
- 1.8. Labiopalatal Fissures.
- 1.9. Jaw Growth
- 1.10. Peak Growth Treatment





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A key program for performing orthopedic intervention with the greatest efficiency and best results.”

05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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 clinical situation, what would you do? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Dentists learn better, faster, and more sustainably over time.

With TECH you can 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 potential 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. Students 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. The learning process has a clear focus on 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.



Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 115,000 students with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 to success.

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

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Surgical Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current dental techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



Additional Reading

Recent articles, consensus documents, international guides... in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

Certificate

The Postgraduate Certificate guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate in Craniofacial Complex Growth issued by TECH Technological University.



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Successfully complete this training and receive your certificate without the hassle of travel or paperwork”.

This **Postgraduate Certificate in The Craniofacial Complex Growth** includes the most complete and up-to-date scientific program on the market.

After students have passed the assessments, they will receive by certified mail their **Postgraduate Certificate Certificate** issued by **TECH Technological University**.

The certificate issued by **TECH Technological University** will specify the qualification obtained through the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Craniofacial Complex Growth**

ECTS: 6

Official Number of Hours: **150 hours**.



*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

tech technological
university

personalized service innovation

knowledge present

online training

development languages

classroom

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