

# Postgraduate Certificate Collaborative Research





## Postgraduate Certificate Collaborative Research

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 8h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techitute.com/us/dentistry/postgraduate-certificate/collaborative-research](http://www.techitute.com/us/dentistry/postgraduate-certificate/collaborative-research)

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# 01

# Introduction

The large projects together have emerged as protagonists in current scientific research. Not surprisingly, the advancement of technology has promoted the collaborative nature, thanks to greater amounts of data available for immediate analysis thanks to the Internet or the digital cooperation of public and private entities. Undoubtedly, the dental professional must take advantage of these new opportunities to maximize the potential of the work groups, this degree being the perfect occasion.. In this sense, it will analyze the formation of multidisciplinary teams, the optimal distribution of responsibilities or the implications of leadership, always based on the most up-to-date knowledge and 100% online.





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*A high-intensity program on Collaborative Research, which will provide you with the security and professional solvency of a high-quality praxis”*

Collaborative Research in the field of Dentistry is essential to advance scientific knowledge and improve patient care. By promoting collaboration between researchers, institutions and organizations, a deeper and more holistic understanding of health problems is achieved. This undoubtedly results in more effective solutions to ensure the well-being of the population in dental matters.

However, if the dentist is not up to date with the most effective techniques to manage a group investigation, the project may incur deficiencies that make it difficult to achieve the proposed objectives. For this reason, this program will be of enormous value, as it meets the demands of a high-level preparation of these characteristics. During his academic journey, the student will go through the different collaborative networks, as well as the new workspaces in the network or the biobanks of samples. These are just one of the many points of interest on which the program focuses, in order to launch the research career of the graduate.

Thus, you will have everything you need about Collaborative Research with only a device with an Internet connection. Through it, you will obtain 24-hour access to a Virtual Campus of advanced resources on this subject. In fact, the educational materials use the experience of authentic eminences of scientific research, which means greater guarantees for the student.

This **Postgraduate Certificate in Collaborative Research** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Development of case studies presented by experts in Collaborative Games Research
- ◆ 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
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions for 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



*A unique occasion to examine the best strategies for training multidisciplinary teams in order to enrich the work dynamics in your investigations”*

“ *Advanced study methodologies focused on the reiteration of key concepts through dynamic resources will allow you to manage Collaborative Research with solvency*”

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its 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 an immersive education designed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.

*Do you want to examine in detail the networked biomedical research centers? You just have to enroll!*

*You will analyze the new spaces for Health research, focusing on thematic networks.*





# 02

# Objectives

This Postgraduate Certificate has been designed based on objectives that seek to provide the dental professional with the latest tools that allow them to delve into the advances in the generation of remote work groups and through the Internet. Thus, the title seeks to offer the best leadership strategies and the achievement of the goals established based on the effective management of teams with numerous researchers. All this, of course, based on the most current scientific evidence.





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*The objective of the Postgraduate Certificate is to ensure that you achieve the goals of your research by effectively managing the collaboration between all the members of the project”*

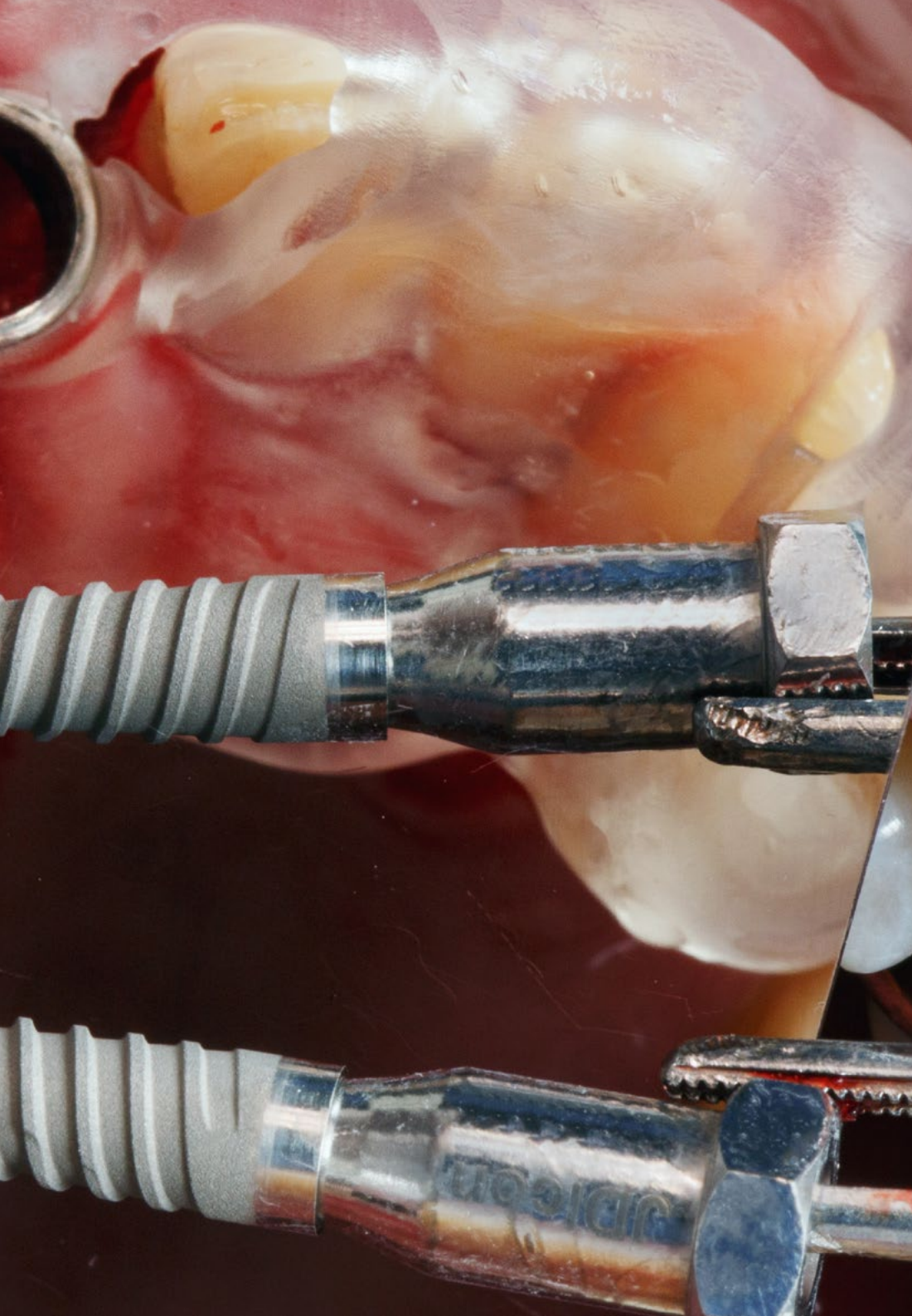


## General Objective

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- ♦ Understand the appropriate approach to a question or problem to be solved
- ♦ Assess the state of the art of the problem through literature search
- ♦ Assess the feasibility of the potential project
- ♦ Study the drafting of a project in accordance with the different calls for proposals
- ♦ Examine the search for funding
- ♦ Master the necessary data analysis tools
- ♦ Writing scientific articles (papers) according to the target magazines.
- ♦ Generate posters relevant to the units covered
- ♦ Know the tools for dissemination to the non-specialized public
- ♦ Delve into data protection
- ♦ Understand the transfer of knowledge generated to industry or the clinic
- ♦ Examine the current use of artificial intelligence and massive data analysis
- ♦ Study examples of successful projects





## Specific Objectives

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- ◆ Learn how to create working groups
- ◆ Create new biomedical research spaces



*The program you are looking for to delve into the optimal distribution of responsibilities when carrying out an investigation from home"*



# 03

## Course Management

As usual in each of its programs, TECH has ensured in the design of the program that it offers all possible guarantees to the student. And, for this, the teaching team that has assembled plays a fundamental role. This faculty is made up of directors of prestigious research institutions that have focused their activity on health research in areas such as cancer or infectious diseases, as well as sample biobanks.





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*Directors of reference research institutions  
have designed the contents with which you  
will promote your research in Dentistry”*

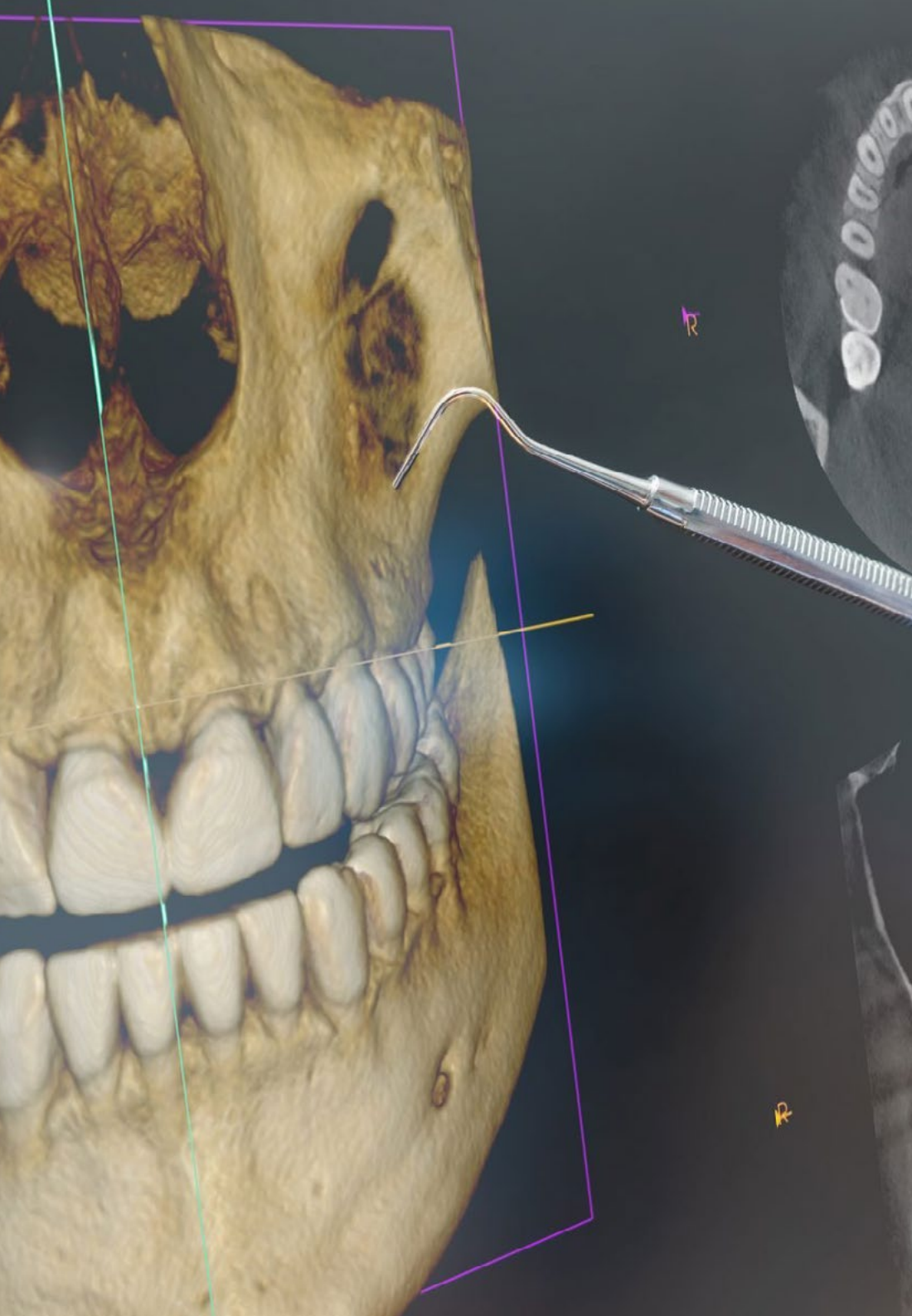
## Management



### Dr. López-Collazo, Eduardo

- ♦ Scientific Deputy Director in the Institute for Health Research the Health Research Institute of La Paz University Hospital
- ♦ Head of the Department of Immune Response and Infectious Diseases at IdiPAZ
- ♦ Head of the Department of Immune Response, Tumors and Immunology at IdiPAZ
- ♦ President of the IdiPAZ Research Commission.
- ♦ Sponsor of the External Scientific Committee of the Murcian Institute of Health Research.
- ♦ Member of the Scientific Commission of FIDE
- ♦ Editor of the international scientific journal "Mediators of Inflammation".
- ♦ Editor of the international scientific journal "Frontiers of Immunology".
- ♦ Coordinator of IdiPAZ Platforms
- ♦ Coordinator of Health Research Funds in the areas of Cancer, Infectious Diseases and HIV.
- ♦ PhD in Nuclear Physics, University of La Habana
- ♦ Doctorate in Pharmacy from the Complutense University of Madrid.





## Professors

### Ms. Gómez Campelo, Paloma

- ◆ Researcher at the Instituto de Investigación Sanitaria, Hospital Universitario La Paz
- ◆ Deputy Technical Director of the Health Research Institute of La Paz University Hospital
- ◆ Director of the Biobank of the Health Research Institute of the University Hospital La Paz
- ◆ Collaborating Teacher of the Polytechnic University of Catalonia
- ◆ Doctorate in Psychology the Complutense University of Madrid
- ◆ Degree in Psychology from the Complutense University Madrid



# 04

## Structure and Content

With a duration of 150 hours that the student will be able to manage at their convenience, the study plan of this Postgraduate Certificate contains in its agenda the most up-to-date and comprehensive vision of Collaborative Research. In addition, it uses Relearning as a methodological substrate, which implies that the student will internalize the key concepts based on their reiteration in resources such as videos, complementary readings or interactive diagrams. Thus, your study sessions will be much more effective and productive, without being unnecessarily prolonged.





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*The agenda with the most up-to-date and comprehensive vision of Collaborative Research. Sign up now and develop yourself through a high preparation that uses a methodology as recognized as Relearning!"*

## Module 1. Generation of Working Groups: Collaborative Research

- 1.1. Definition of Working Groups
- 1.2. Formation of Multidisciplinary Teams
- 1.3. Optimal Distribution of Responsibilities
- 1.4. Leadership.
- 1.5. Control of Activities Achievement
- 1.6. Hospital Research Teams
  - 1.6.1. Clinical Research
  - 1.6.2. Basic Research.
  - 1.6.3. Translational Research
- 1.7. Creation of Collaborative Networks for Health Research
- 1.8. New Spaces for Health Research
  - 1.8.1. Thematic Networks
- 1.9. Networked Biomedical Research Centers
- 1.10. Biobanks of Samples: International Collaborative Research





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*All types of hospital research teams are included in this agenda. Delve into clinical, basic and translational research!”*



# 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.





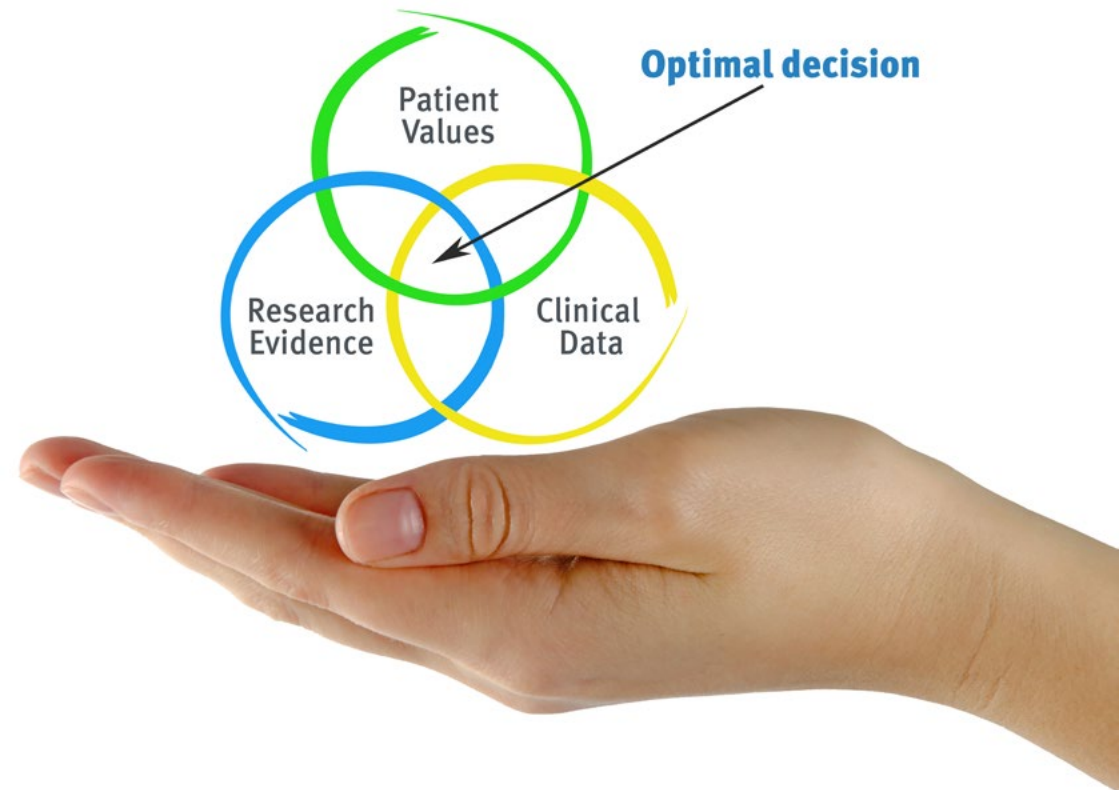
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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

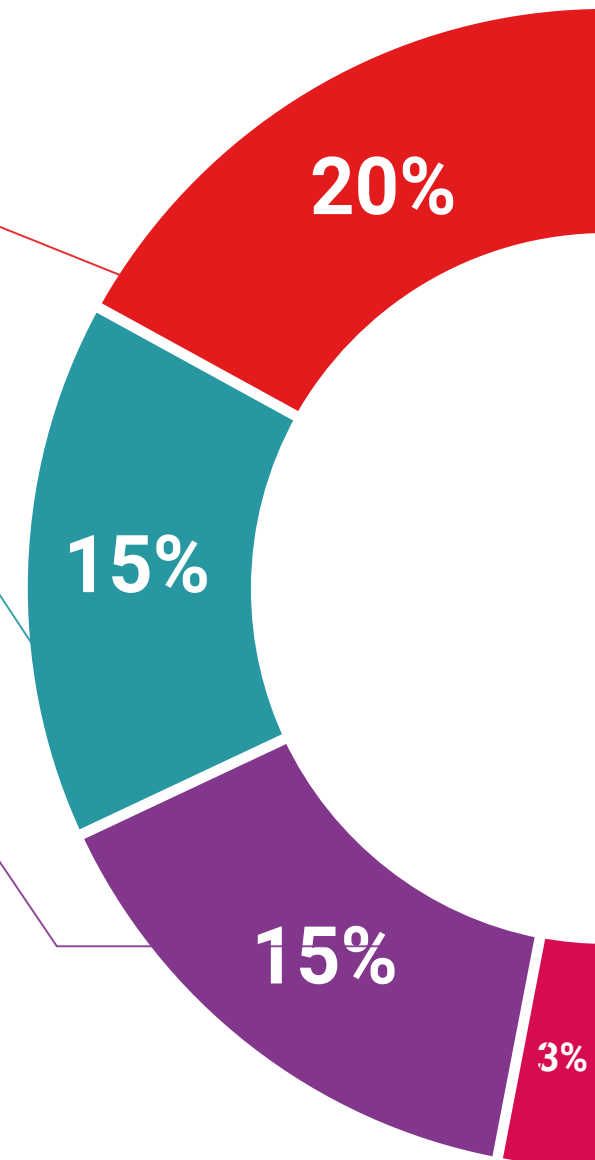
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

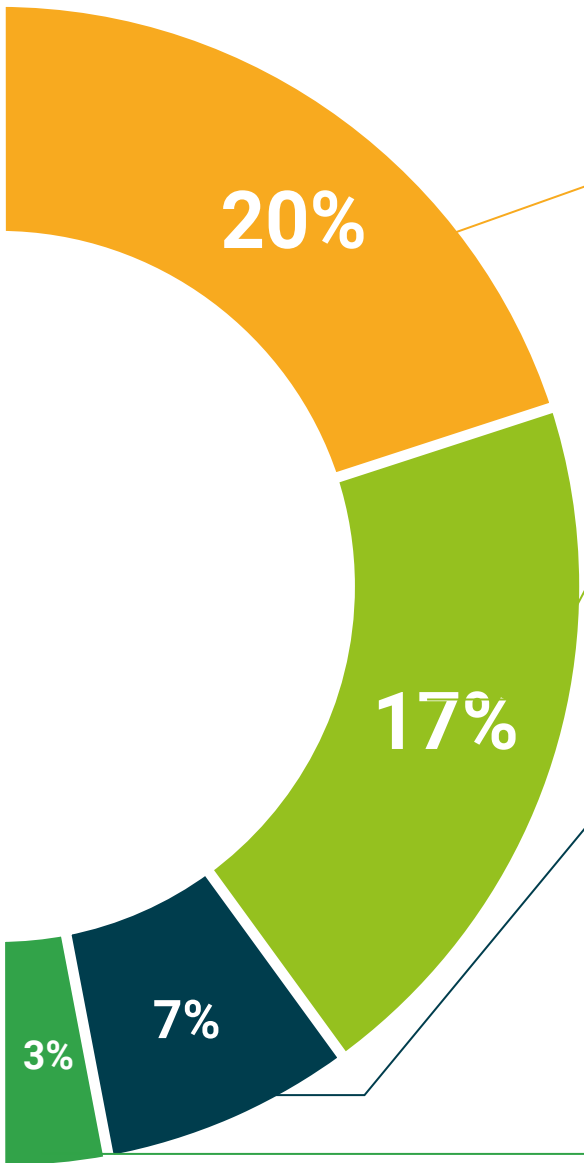
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 Collaborative Research 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”*



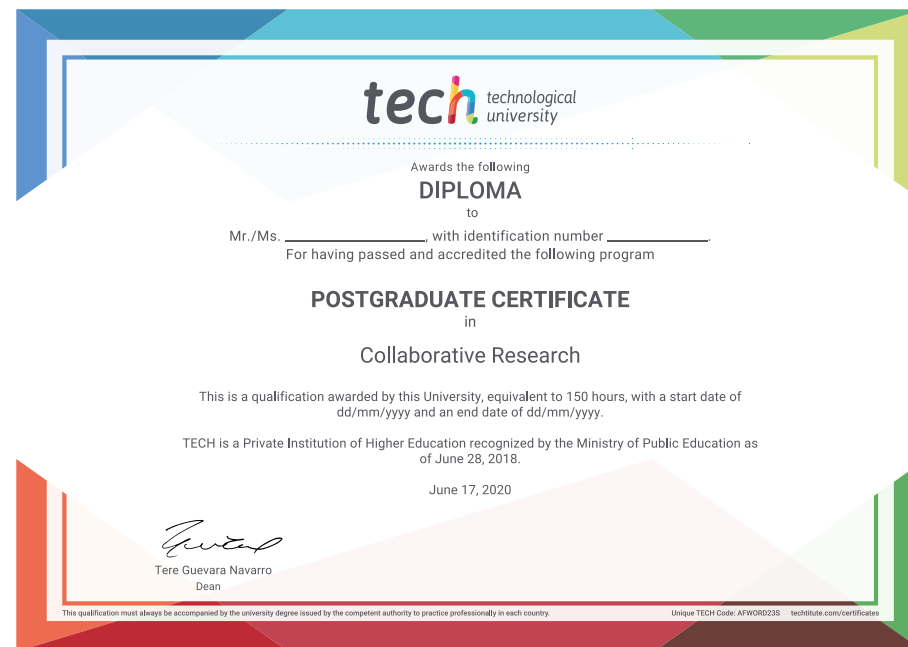
This **Postgraduate Certificate in Collaborative Research** contains the most complete and up-to-date scientific program on the market.

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 Collaborative Research**

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.



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- » Certificate: TECH Technological University
- » Dedication: 8h/week
- » Schedule: at your own pace
- » Exams: online

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