

Postgraduate Certificate

Pain Management in Palliative Care





Postgraduate Certificate Pain Management in Palliative Care

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

Website: www.techtitute.com/us/medicine/postgraduate-certificate/pain-management-palliative-care

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 18

05

Methodology

p. 22

06

Certificate

p. 30

01

Introduction

Uncontrolled pain in palliative care patients can have a devastating impact on their quality of life and emotional well-being. Given this reality, it is essential that healthcare professionals are equipped with the most up-to-date knowledge and advanced skills in this field for the proper management of symptomatology. In this way, physicians will be able to ensure that each patient receives the symptomatic relief they need to live with both dignity and comfort in their final days. To facilitate this, TECH is developing a revolutionary university program that will explore the latest evidence and therapeutic advances in the treatment of pain in terminally ill patients. In addition, it will be taught in a flexible 100% online mode.





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Thanks to this 100% online Postgraduate Certificate, you will incorporate into your practice the most innovative interventional techniques to provide symptomatic relief to patients in Palliative Care"

The management of pain in palliative care patients represents a significant clinical challenge due to the complexity of the symptoms and the diversity of underlying causes. The effectiveness of pharmacological pain treatment in this setting depends on a thorough understanding of pain mechanisms, as well as careful selection and accurate choice of analgesic medications. With this in mind, medical professionals must remain at the forefront of the most up-to-date and effective pharmacological strategies for the management of the symptoms of terminally ill patients. Therefore, specialists will enrich their clinical practice with sophisticated, evidence-based tools to improve the quality of life of their patients

In this scenario, TECH is implementing a pioneering and cutting-edge program in Pain Management in Palliative Care. The study plan will examine in depth the most frequent types of pain in these individuals, taking into account issues such as epidemiology, pathophysiology or topographic atlas. In turn, the syllabus will provide graduates with innovative imaging techniques to evaluate the causes of pain, as well as different scales and algorithms. Along the same lines, the academic contents will delve into the most effective pharmacological treatments aimed at reducing symptoms. Likewise, the program will provide specialists with the keys to manage advanced interventional techniques such as Plexus, Ganglion Ablation or Infiltration or Infiltrations. Therefore, graduates will develop clinical competencies that will allow them to plan personalized, effective and evidence-based pain therapies.

In terms of program methodology, TECH offers a 100% online educational environment to suit the needs of busy professionals looking to advance their careers. Through the Relearning teaching system, based on the repetition of key concepts to fix knowledge and facilitate learning, flexibility is combined with a robust pedagogical approach. This program also integrates an exclusive and comprehensive Masterclass given by a renowned International Guest Director.

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

- ♦ Practical cases presented by experts in Palliative Care
- ♦ The graphic, schematic and practical contents with which it is conceived provide scientific and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



TECH will provide you with a disruptive update through the Masterclass of the International Guest Director of this program"

“

You will delve deeper into the use of both Scales and Algorithms and be able to make more accurate assessments of symptom severity”

The program’s teaching staff includes professionals from the sector who contribute their work experience to this specializing program, 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 education programmed to learn 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 during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will handle the most avant-garde non-invasive techniques for pain control, such as Neuromodulators, Infiltration or Plexus Ablations.

A syllabus based on the Relearning system, which will facilitate the renewal of knowledge in the therapeutic approach to palliative care patients.



02 Objectives

By means of this Postgraduate Certificate, physicians will obtain an exhaustive knowledge of the pathophysiological mechanisms of pain in palliative care patients with advanced diseases. Similarly, graduates will be able to perform comprehensive pain assessments taking into account issues such as history taking, physical assessment, and use of symptom rating scales. Therefore, clinicians will develop advanced competencies in designing individualized, evidence-based treatment plans that address both the physical and psychosocial aspects of pain and consider individual preferences. In addition, they will effectively apply interventional techniques such as Infiltrations or Neuromodulation procedures.



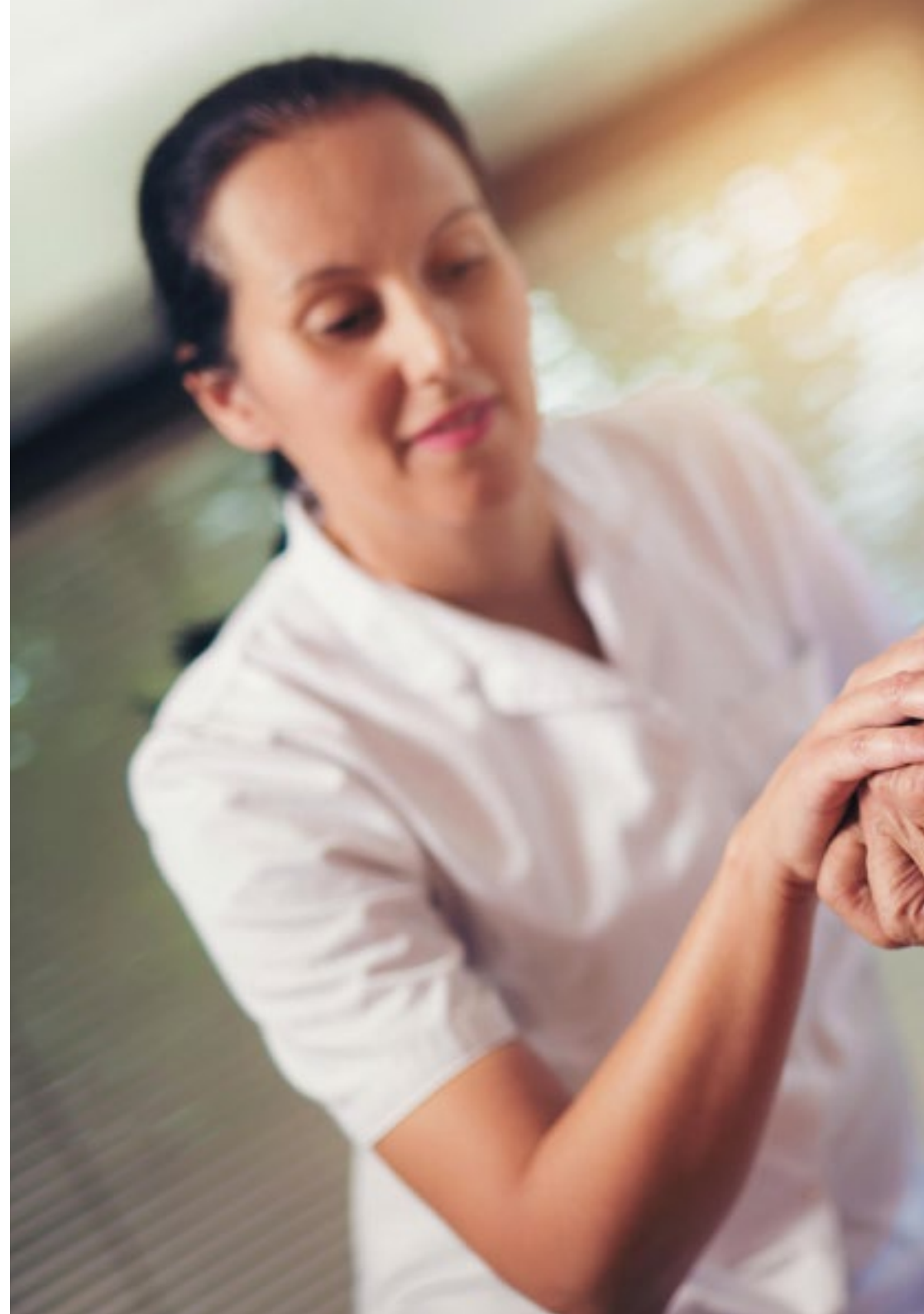
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You will perform the most comprehensive assessments of pain to understand its nature and apply the most appropriate treatments to your patients”



General Objectives

- ♦ Have a solid understanding of the fundamentals and models of care in Palliative Care, as well as aspects such as epidemiology or pathophysiology of chronic diseases
- ♦ Enhance clinical skills for the comprehensive assessment of patients, including the management of complex symptoms and the approach to total suffering
- ♦ Adopt an individualized approach to care, focusing on both the preferences and values of users, respecting their autonomy at all stages of pathology
- ♦ Obtain empathetic and effective communication skills with both affected individuals and their families
- ♦ Apply knowledge of specific nutrition to improve prognosis and reduce complications in patients with advanced disease
- ♦ Keep abreast of innovations in matters such as diagnostic and therapeutic techniques most relevant to the follow-up of palliative patients





Specific Objectives

- ♦ Delve into the knowledge of pain, its anatomy and ways of exploration
- ♦ Analyze conventional treatments
- ♦ Provide patients with information about their pain condition, as well as self-regulation and self-care strategies to manage it effectively
- ♦ Investigate alternative and innovative techniques for implementation in clinical practice



Refresh your knowledge in Pain Assessment and Diagnosis through innovative multimedia content, including interactive summaries of each topic"

03

Course Management

In its commitment to democratize access to the most complete and current university degrees in the academic field, TECH carries out a thorough process to choose the members of its teaching staff. Therefore, for this Postgraduate Certificate, it has acquired the services of the best specialists in the field of Pain Management in Palliative Care. These professionals have extensive professional experience, where they have contributed significantly to improving the quality of life of many terminally ill patients. Therefore, graduates will have access to an immersive experience that will raise their professional horizons to a higher level.





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You will have access to a syllabus designed by a renowned faculty specialized in Palliative Care, which will guarantee you a successful learning experience"

International Guest Director

Dr. Blinderman is Associate Professor of Medicine and **Director of the Adult Palliative Medicine Service at Columbia University Medical Center/New York-Presbyterian Hospital**. He was previously an attending physician on the Palliative Care Service at Massachusetts General Hospital and co-directed the MGH Cancer Pain Clinic from 2007-2010.

He has published numerous original articles, reviews and chapters in the following areas: palliative care, early palliative care in lung cancer patients, palliative care for the dying patient, medical ethics, existential distress, symptom assessment and quality of life in patients with chronic pulmonary and heart failure, as well as cancer pain management and pain management in patients with a history of substance abuse. He is currently the editor of the Case Discussions section of the Journal of Palliative Medicine.

His academic resume includes an **MD in Medical School for International Health** from Ben Gurion University, as well as a **BA in Chemistry from Boston University**, a degree he earned Magna Cum Laude.



Dr. Blinderman, Craig David

- Director of Palliative Care at New York Presbyterian Hospital, New York, U.S.A.
- Specialist in Palliative Care at Massachusetts General Hospital
- Professor of Medicine at Harvard Medical School
- Degree in Chemistry, Boston University
- Associate Professor, Department of Medicine, Columbia University

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Thanks to TECH you will be able to learn with the best professionals in the world"

Management



Dr. Lafuente Sanchis, Manuel Pablo

- ◆ Head of the Home Hospitalization and Palliative Care Service at La Ribera University Hospital, Valencia
- ◆ Specialist in Family and Community Medicine at the Virgen de los Lirios Hospital, Alcoy
- ◆ Clinical Simulation Instructor, Catholic University of Murcia
- ◆ University Professor in Nursing Studies
- ◆ Expert in Palliative Care, International University of La Rioja
- ◆ University Expert in University Teaching from the Catholic University of Valencia
- ◆ Degree in Medicine and Surgery from the University of Valencia
- ◆ Member of: Spanish Society of Home Hospitalization and Spanish Society of Clinical Simulation

Professors

Dr. Tarraso Gómez, María Luisa

- ◆ Assistant Physician of the Home Hospitalization and Palliative Care Unit of La Ribera University Hospital
- ◆ Specialist Physician of the Pain Unit at La Ribera University Hospital
- ◆ Specialist in Family and Community Medicine. Residency at Dr. Peset Hospital
- ◆ Master's Degree in Palliative Care from the University of Valladolid
- ◆ Degree in Medicine and Surgery from the University of Valencia
- ◆ Member of: Valencian Society of Home Hospitalization and Palliative Group of the Spanish Multidisciplinary Society of Pain

Dr. Santander López, Jorge

- ◆ Assistant Physician of the Home Hospitalization and Palliative Care Unit at La Fe Hospital
- ◆ Specialist in Family and Community Medicine
- ◆ Specialist in Home Hospitalization and Palliative Care
- ◆ Degree in Medicine and Surgery from the University of Mendoza, Argentina
- ◆ University Expert in Pain



04

Structure and Content

This university program will provide physicians with a solid understanding of the pathophysiological mechanisms of pain in palliative care patients with advanced disease. The academic itinerary will focus on the most frequent types of symptoms in these individuals, as well as the most appropriate pharmacological treatments to reduce the symptomatology of common comorbidities such as liver failure or cognitive impairment. In addition, the syllabus will provide graduates with the most innovative interventional techniques in this field (such as Infiltrations, Plexus or Neuromodulators). Therefore, graduates will make evidence-based clinical decisions in pain management.



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You will learn valuable lessons through real cases in simulated learning environments and transfer them to your regular clinical practice”

Module 1. Pain Management

- 1.1. Pain in Palliative Care
 - 1.1.1. Approach to Pain in Palliative Care
 - 1.1.2. Epidemiology
 - 1.1.3. Most Common Types of Pain in Palliative Care Patients
- 1.2. Anatomy of Pain
 - 1.2.1. Topographic Atlas
 - 1.2.2. Pain Pathways
- 1.3. Classification
 - 1.3.1. According to Duration
 - 1.3.2. According to Origin
 - 1.3.3. According to Severity
 - 1.3.4. According to Pathophysiology
- 1.4. Pain Assessment and Diagnosis
 - 1.4.1. Anamnesis and Examination
 - 1.4.2. Scales and Algorithms
 - 1.4.3. Imaging Techniques
- 1.5. Pharmacological Treatment of Pain in the Palliative Patient
 - 1.5.1. Usual Pharmacological Treatment
 - 1.5.2. Pharmacological Treatment of the Most Frequent Comorbidities: IR, CHF, Hepatic Insufficiency, Cognitive Impairment
 - 1.5.3. Opioid Rotation
- 1.6. Non-Pharmacological Treatment
 - 1.6.1. Physical Therapy
 - 1.6.2. Radiotherapy
 - 1.6.3. Rehabilitation
- 1.7. Pain in the Palliative Oncology Patient
 - 1.7.1. Consultation Approach
 - 1.7.2. Most Frequent Types of Pain
 - 1.7.3. Treatment and Follow-up Guidelines



- 1.8. Intervention Techniques
 - 1.8.1. Ganglion Ablation
 - 1.8.2. Infiltrations
 - 1.8.3. Plexus
 - 1.8.4. Drug Infusion Pumps
 - 1.8.5. Neuro-Modulators
- 1.9. Pain Associated with Antineoplastic Treatment
 - 1.9.1. Hypercalcemia
 - 1.9.2. Tumor lysis
 - 1.9.3. Related to Radiotherapy
- 1.10. Repercussions of Pain
 - 1.10.1. On the Quality of Life
 - 1.10.2. On the Emotional Sphere
 - 1.10.3. Economic Repercussions

“ You are looking at a flexible university program that is compatible with your most demanding daily responsibilities. Enroll now!”



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

What should a professional do in a given situation? 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 physician'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 achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of 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.

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



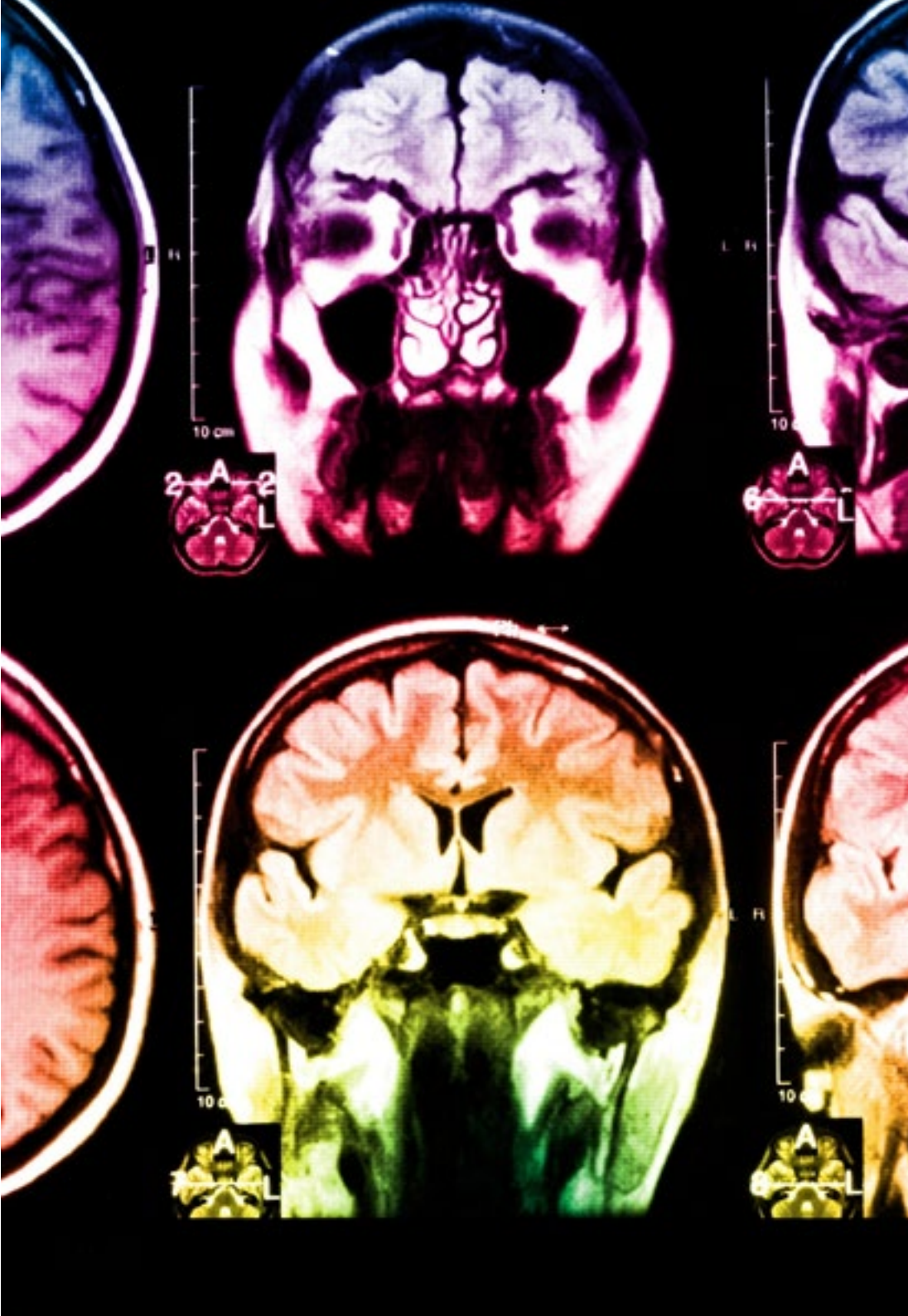
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 specialization, 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 (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.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current 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

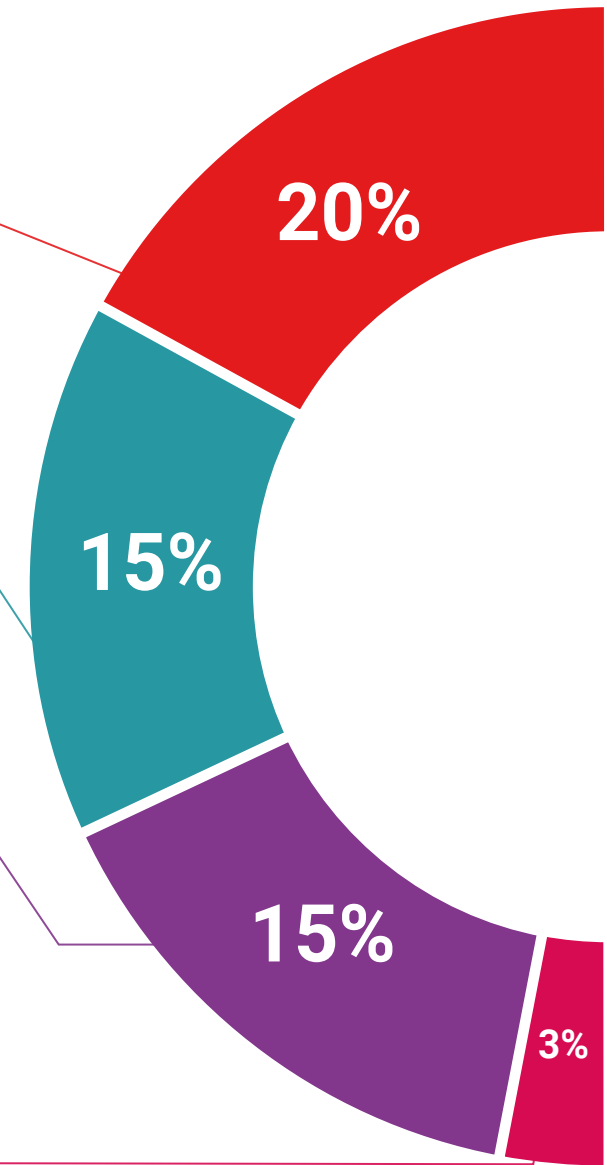
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

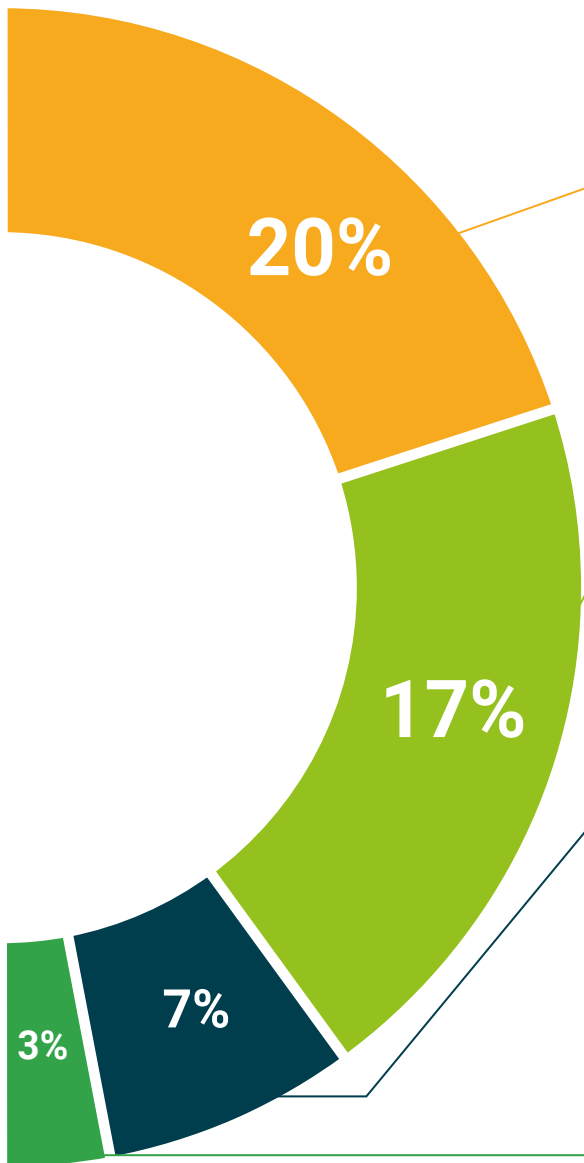
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 on the usefulness of learning by observing experts. The system known as 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 Pain Management in Palliative Care guarantees, in addition to the most accurate and up-to-date knowledge, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Pain Management in Palliative Care** 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** private qualification 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 Pain Management in Palliative Care**

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
knowledge present quality
online
development
virtual classroom



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