

Postgraduate Certificate

General Aspects of Pain Management and Control





Postgraduate Certificate

General Aspects of Pain Management and Control

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/general-aspects-pain-management-control

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01

Introduction

Learning to manage and control patients' pain should be one of the main tasks of healthcare professionals, especially with regard to postoperative pain and chronic pain, as it will help improve their quality of life. Therefore, it is necessary for physicians, mainly those in the field of Anesthesiology and Resuscitation, to keep up to date with training such as this Postgraduate Certificate in General Aspects of Pain Management and Control.





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After completing this training you will be able to help your patients live with chronic or postoperative pain situations”

This Postgraduate Certificate has been designed by anesthesiologists with extensive experience in pain management, both acute and chronic, in daily clinical practice, so it offers Students a global vision of the clinical problem of pain in our environment.

Thanks to this training, the student will be introduced to the knowledge and management of patients in pain, including the specific connotations of acute postoperative pain and the different types of chronic pain. The Postgraduate Certificate includes the latest advances in the knowledge of neuroanatomy and physiology of pain, which brings the specialist closer to the mechanisms of pain, laying the foundations for the subsequent diagnosis and treatment of pain.

The psychological and psychosocial aspects of pain are also included, as they have a great influence on the evolution of pain, which must be deeply understood due to their implications in the variability of perception and response to pain in each patient.

Another important point of the training is the education of the patient and their environment in pain management. It is common for patients with chronic pain to control their symptoms at home, but the devices used for this purpose are becoming increasingly sophisticated and require patients and their environment to learn how to use them. Likewise, care modalities such as Major Outpatient Surgery allow patients to spend most of the postoperative surgical period at home, supervised by caregivers who do not belong to the health care setting. Pain control in these circumstances requires acceptance on the part of the patient and his or her environment, as well as training in the use of unusual devices and analgesics. This training is the key to ensuring that the care of patients suffering from acute postoperative pain or chronic pain meets the quality standards required by our healthcare system.

After completing and passing the Postgraduate Certificate, students will have acquired the theoretical knowledge necessary to carry out an effective approach to pain in the main fields of action of the anesthesiologist.

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

- ♦ Developing practical cases presented by experts in Pain Management and Control.
- ♦ 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.
- ♦ Novelties on Pain Management and Control
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in Pain Management and Control
- ♦ 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



Teaching your patients to coexist with pain symptoms will allow them to have a better quality of life, so it is important to carry out training such as this Postgraduate Certificate on General Aspects of Pain Management and Control"

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This postgraduate certificate may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Pain Management and Control, you will obtain a certificate from TECH Technological University"

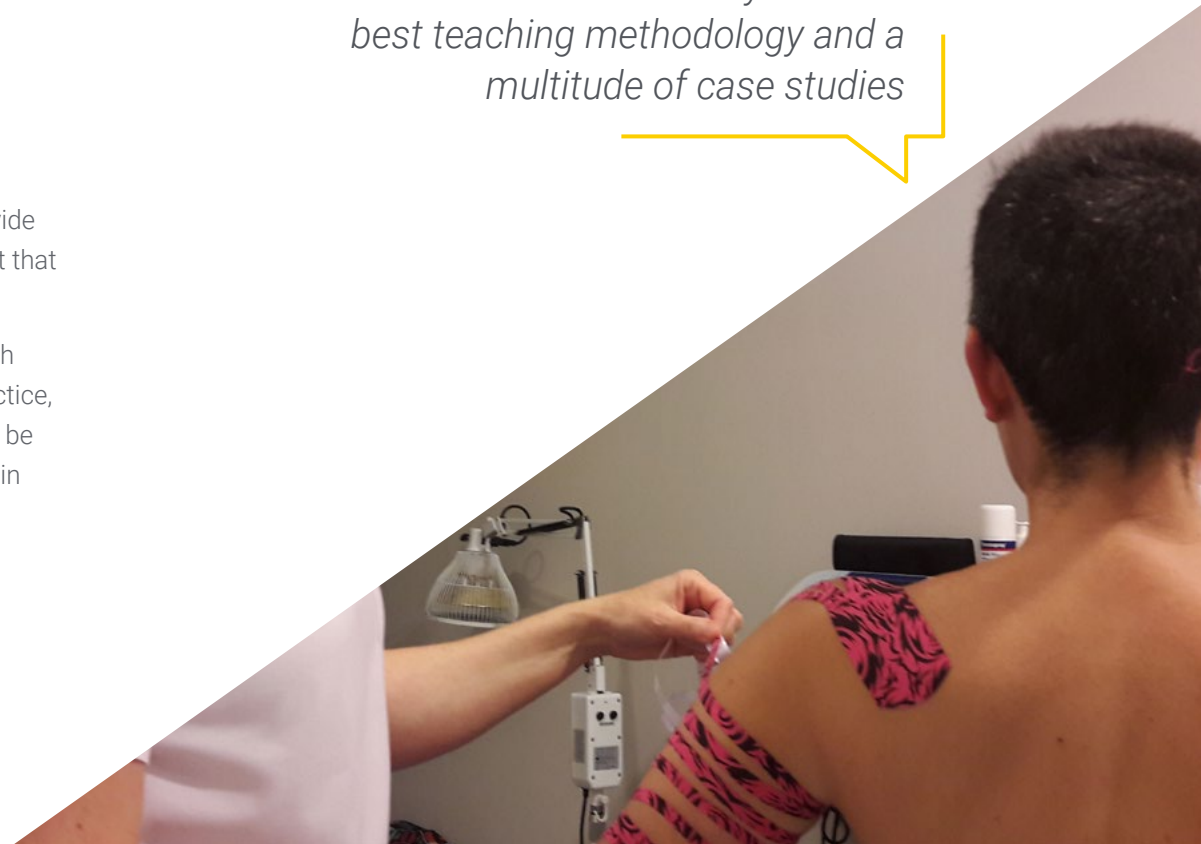
The teaching staff includes professionals from the field of Pain Management and Control, who bring their experience to this training program, as well as renowned specialists from leading communities and prestigious universities.

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.

The design of this Program focuses on Problem-Based Learning, by means of which the professional will have to try to solve the different situations of Professional Practice, which will be posed throughout the Program. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned experts in Pain Management and Control, and with great medical experience.

To develop your profession in a competitive environment, it is necessary to continue training throughout your career. We offer you that possibility with a quality and 100% online course

Take advantage of the opportunity offered by this Postgraduate Certificate and study with the best teaching methodology and a multitude of case studies



02 Objectives

The Postgraduate Certificate in General Aspects of Pain Management and Control is aimed at facilitating the medical professional's performance with the latest advances and most innovative treatments in the sector.





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*If you want to know the latest advances
in pain management and control, do not
hesitate to train with us"*



General Objective

- ◆ Update Knowledge on Pathophysiology, Neuroanatomy, and Etiopathogenesis of Pain
- ◆ Acquire the Skills to Adequately Assess Pain Based on the Patient's Clinical History and Physical Examination
- ◆ Obtain the Necessary Knowledge to Determine the Diagnostic Methodology in the Patient Suffering from Pain
- ◆ Establish the updated theoretical basis of pharmacological therapies useful in the treatment of pain
- ◆ Know the Advances in Non-pharmacological Therapies and Invasive Therapies in the Control of Acute and Chronic Pain
- ◆ Develop Competencies for the Adequate Control of Pain in the Perioperative Period in Different Clinical Situations and Surgical Procedures
- ◆ Broaden Knowledge of Pain Management in the Gynecological and Obstetrical Field
- ◆ Delve into the Most Relevant Concepts of Pain Management in Pediatric Patients
- ◆ Achieve the Ability to Define, Evaluate, and Determine the Diagnostic and Therapeutic Approach in Patients with Chronic Pain of Neuropathic, Musculoskeletal, Oncologic, and Visceral Origin





Specific Objectives

Module 1. General Aspects of Pain Management and Control

- ♦ Acquire the Anatomical and Pathophysiological Knowledge Necessary to Understand the Mechanisms and Pathways of Pain
- ♦ Develop the Ability to Obtain the Necessary Information to Plan the Diagnostic Management of Pain through Clinical History and Physical Examination of the Patient
- ♦ Obtain the Necessary Knowledge to be able to Determine the Complementary Tests that will be Necessary in Each Case
- ♦ Know the Psychosocial and Cognitive-Behavioral Aspects Related to the Origin and Evolution of Pain
- ♦ Establish the basis for the therapeutic management of pain
- ♦ Value the Importance of Educating Patients and their Environment in Pain Management and to Develop Strategies and Skills to Inform and Educate in this Area



03

Course Management

The program's faculty includes leading experts in Pain Management and Control, who bring their work experience to this training. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.





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Leading professionals in the field have come together to Teach you the latest advances in Pain Management and Control”

International Guest Director

Dr. Shehebar specializes in sports/spinal pain management, musculoskeletal medicine and cancer pain management. He utilizes several treatment modalities uniquely tailored to the patient. Each can expect a highly personalized, evidence-based medical evaluation to analyze, diagnose and treat pain symptoms or pain-related conditions.

Dr. Shehebar performs epidurals, medial branch (facet blocks), radiofrequency ablation, muscle trigger point injections, spinal cord/peripheral nerve stimulators, platelet rich plasma, joint and nerve injections using imaging guidance including fluoroscopy and ultrasonography. He is part of the comprehensive pain management subdepartment and is interested in employing multimodal therapies along with rehabilitation techniques.

Dr. Mourad M. Shehebar is an Assistant Professor of Anesthesiology, Perioperative and Pain Medicine at the Icahn School of Medicine at Mount Sinai. He received his undergraduate degree in Psychology and Biology from Baruch College in New York and his medical degree from the George Washington University School of Medicine and Health Sciences, Washington, D.C.

After a medical internship at Beth Israel Medical Center, Dr. Shehebar completed his board certification residency in Anesthesiology at the Icahn School of Medicine at Mount Sinai and, in addition, completed his fellowship in Interventional Pain Medicine at the Icahn School of Medicine at Mount Sinai.

As of January 2020, Dr. Shehebar has assumed the role of Associate Director of the Mount Sinai Pain Fellowship Program. In 2022, Dr. Shehebar has been promoted to Director of the Pain Management Fellowship Program at Mount Sinai.

He has been featured in New York Magazine and has also been named: Castle Connolly's Top Doctors New York Metro Area: 2021, 2022.



Dr. Shehebar, Mourad M.

- Director of the Pain Management Fellowship Program at Mount Sinai - New York
- Mount Sinai Health System Pain Unit Physician.
- Assistant Professor of Anesthesiology, Perioperative and Pain Medicine at the Icahn School of Medicine at Mount Sinai.
- Mount Sinai New York Pain Medicine Fellow
- Resident, Department of Anesthesiology Mount Sinai Hospital, New York
- Intern, Internal Medicine, Mount Sinai Beth Israel Internal Medicine
- Medical Degree, George Washington University, Washington D.C.
- B.A. Summa Cum Laude in Psychology and Biology from Baruch College in New York City

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

Management



Dr. Arance García, Magdalena

- ♦ Degree in Medicine and Surgery from the University of Seville (July 2000).
- ♦ Specialty in Anesthesia, Resuscitation, and Pain Therapy. Virgen Arrixaca University Hospital. Murcia 2002-2006
- ♦ Specialist in Anesthesiology and Resuscitation. Clinical Management Unit Surgical Block. Virgen del Rocío University Hospital (Seville)

Professors

Dr. Ángel Redondo, Lucía

- ♦ Degree in Medicine. Degree Obtained at the University of Seville. 2003-2011
- ♦ Specialty in Anesthesia, Resuscitation, and Pain Therapy
- ♦ Residency at the University Hospital San Pedro de Alcántara (Cáceres). 2014- 2018
- ♦ FEA of Anesthesia, Resuscitation, and Pain Therapy
- ♦ Andalusian Health Service. Virgen del Rocío University Hospital. Seville Chronic Pain Unit. Since 2018

Dr. Casado Pérez, Gloria

- ♦ Degree in Medicine and Surgery from the University of Seville, 2004
- ♦ TECH Master's Degree in Pain Treatment.2013. University of Seville
- ♦ Specialist in Anesthesiology, Resuscitation, and Pain Management. MIR Training During the 2010-2014 in Virgen del Rocio University Hospitals. Seville
- ♦ Specialist in Anesthesiology and Resuscitation. Clinical Management Unit Surgical Block General Hospital Pain Treatment Unit
- ♦ Virgen del Rocío University Hospital (Seville) Since 2014



Dr. Del Río Vellosillo, Mónica

- ◆ Degree in Medicine and Surgery. University of Valencia, July 25, 2003
- ◆ Facultative Area Specialist. Virgen de la Arrixaca University Hospital (Maternal and Child Ward). Murcia Since 2010
- ◆ Facultative Area Specialist. La Fe University Hospital (Maternal Pavilion). Valencia Since 2009

Dr. Fernández Castellanos, Guiomar Rosel

- ◆ Degree in Medicine from the University of Granada. June 2011
- ◆ Master's Degree in Clinical Medicine Research. Miguel Hernández University of Elche. 2013-2014
- ◆ Specialist in Anesthesiology and Resuscitation. Clinical Management Unit Surgical Block. Virgen del Rocío University Hospital (Seville)

Dr. Jiménez Pancho, Ana Isabel

- ◆ Degree in Medicine and Surgery from the University of Seville in June 2006.
- ◆ TECH Master's Degree in Pain Treatment. Edition 2012-2013 taught by the University of Seville
- ◆ Specialist in Anesthesiology, Resuscitation and Pain Therapy at the Virgen del Rocio University Hospital. Since 2015

Dr. Jiménez Vázquez, Paula

- ◆ Degree in Medicine from the University of Cadiz. Class of 2004 - 2010
- ◆ Master in Pain Treatment (5th edition). Degree from the University of Seville. Blended mode. 2016-2017
- ◆ FEA of Anesthesiology and Resuscitation. Virgen del Rocío University Hospital, Seville Pain Unit. Since July 2018

04

Structure and Content

The structure of the content has been designed by leading professionals in pain management and control, 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 anesthesiology.





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This Postgraduate Certificate in General Aspects of Pain Management and Control contains the most complete and up-to-date scientific program on the market”

Module 1. General Aspects of Pain Management and Control

- 1.1. Epidemiology, Key Concepts and Classification of Pain
- 1.2. Neuroanatomy and Neurobiology of Pain
- 1.3. Pathophysiology of Pain
- 1.4. Pain Assessment
- 1.5. Clinical History in Patients with Acute Postoperative Pain or Chronic Pain
- 1.6. Physical Examination of the Patient with Pain
- 1.7. Complementary Tests for the Diagnosis of Pain
- 1.8. Psychological, Psychosocial, and Cognitive-Behavioral Aspects of Pain. Psychological Therapy
- 1.9. Therapeutic Bases for the Treatment of Pain
- 1.10. Education in Pain for People Outside the Health Care Field





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*A unique, key, and decisive
training experience to boost your
professional development”*

05

Methodology

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

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 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

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 abundant scientific evidence on the effectiveness of the method. Specialists 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. Gervas, 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 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying 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.



Re-learning Methodology

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

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 simple 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 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).

Over 250,000 physicians have been trained using this methodology, with unprecedented success in all clinical specialties regardless of surgical load. This teaching methodology is developed in a highly demanding environment, with a university student body of high 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 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 multimedia content presentation training Exclusive system 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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of achieving their goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts: The system termed Learning from an Expert strengthens knowledge and recall capacity, and generates confidence in the face of difficult decisions in the future.



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 General Aspects of Pain Management and Control guarantees, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate 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 General Aspects in Pain Management and Control** 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 General Aspects of Pain Management and Control**

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
personalized service innovation
knowledge present
development language
virtual classroom



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