

Postgraduate Certificate Pharmacology of Pain



Postgraduate Certificate Pharmacology of Pain

- » 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/pharmacology-pain

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01

Introduction

The superior knowledge of physicians in the use of appropriate pain medication is of great importance, especially in patients with chronic diseases such as fibromyalgia, which cause severe pain that can also affect them psychologically. In order to improve the student's training, this program includes the most complete and relevant information on the different drugs that should be administered in each case, taking into account the possible contraindications for the patient. In this way, the physician will have deep and up-to-date knowledge about the different drugs, which will be of great help for patients to resume their normal life.





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It analyzes the most specific treatments for oncologic pain, as well as those most indicated for patients with major burns"

This Postgraduate Certificate focuses on doctors obtaining in-depth training in the different areas of pathologies that can generate pain in order to know the most appropriate treatments in each case. Hence the importance of this program to provide up-to-date knowledge to treat patients suffering from diseases that can cause chronic pain.

This training offers the possibility to learn about the actions and properties of drugs so that they can be prescribed and applied to patients with rigor, with maximum safety and in optimal conditions. The curriculum is presented in an attractive and dynamic way, including multimedia content, in order to reinforce knowledge.

Thus, the program emphasizes the psychosocial approach to chronic pain, pain in polytraumatic patients or patients with major burns, headaches, cancer pain or fibromyalgia, for example. Offering a multitude of practical cases that will allow to know in depth these pathologies and, thus, to be able to perform more precise and adequate interventions to the needs of the patients.

The great advantage of this Postgraduate Certificate is its 100% online teaching. The graduate is in charge of choosing the time and place that best suits their availability, schedule and interests. Through a study method of proven efficiency, you will be able to acquire new specific techniques in the areas of emotion involvement and processing.

This **Postgraduate Certificate in Pharmacology of Pain** contains the most complete and up-to-date educational program on the market. The most important features include:

- ◆ The development of case studies presented by experts in Pharmacology.
- ◆ 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.
- ◆ Practical exercises where self-assessment can be used 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



Innovative learning that offers you the best training in this area, with the convenience of a studio that is fully adaptable to your needs"

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A unique opportunity to learn with physicians, psychologists and psychotherapists of recognized prestige, with teaching, clinical and research experience"

Learn efficiently, with a real qualification objective, the best rated drugs for pain and terminal sedation.

TECH offers a great opportunity for the physician to get up to date on all the novel fibromyalgia-specific drugs.

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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 training programmed to train 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 academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.



02 Objectives

The design of the program of this Postgraduate Certificate aims to provide the student with the required competencies in relation to the Pharmacology of Pain and its application in the patient. The knowledge poured in the development of the points of the study plan will drive the professional from a global perspective, with full training for the achievement of the proposed objectives.





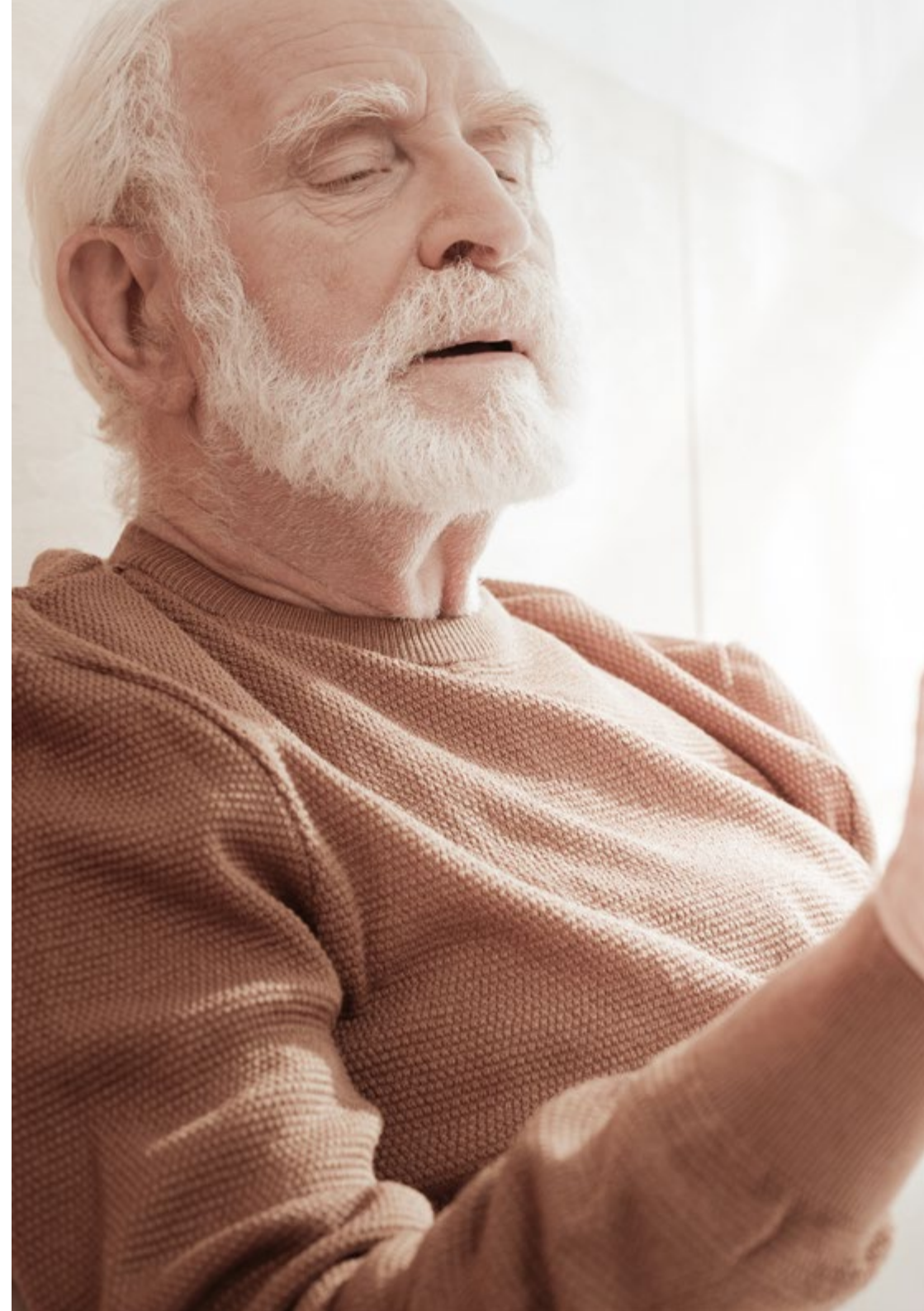
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You will acquire the necessary skills to update you in the profession after deepening your knowledge of specific pain medications”



General Objectives

- ◆ Master the current knowledge on medication used in psychiatry and neurology
- ◆ Train to achieve the therapist-patient-medication link
- ◆ Identify the absorption properties of medication
- ◆ Develop proficiency in pharmacodynamics
- ◆ Describe in protocols the intervention programs, taking into account the characteristics and specific aspects of medication taking
- ◆ Identify the evolution of the different disorders listed in the DSM-5 or ICD-10
- ◆ Master the fields of medical-psychologist interaction in family intervention
- ◆ Train the professional on all the updated references on the diagnosis, intervention and therapeutic process in order to interact with the medication
- ◆ Describe with decision protocols the individualized study of family members to perform a rigorous psychopathological study
- ◆ Use decision trees to make a permanent differential diagnosis
- ◆ Frame all the information within a multidisciplinary framing model in the study of the biopsychosocial framework of the psychotherapy-pharmacology relationship





Specific Objectives

- ◆ Design and conduct controlled clinical studies in pain
- ◆ Mastering pain within the framework of therapy
- ◆ Managing acute pain with psychopharmaceuticals
- ◆ Master the assessment and intervention tools using all pain intervention indicators
- ◆ Develop follow-up models that express the changes of pathologies specific to mental states and pain
- ◆ Identify and master the clinical and prognostic features of the different disorders of childhood and adolescence with pharmacological intervention in pain

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You will have unlimited access from anywhere, anytime thanks to the most powerful digital platform and the most developed interactive learning systems available today”

03

Course Management

The educational staff in charge of this training has a wide and recognized experience in Pharmacology of Pain. In pursuit of excellence, teachers provide students with their expertise to create learning situations that will make you become an expert in the subject.





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The program faculty will provide you with a complete update on the best drugs to relieve your patients' pain as quickly as possible"

Management



Mr. Aguado Romo, Roberto

- Psychologist specializing in Clinical Psychology
- European specialist in Psychotherapy from the EFPA
- President of the European Institute of Time-Limited Psychotherapy
- Director of the Evaluation and Psychotherapy Center of Talavera, Bilbao and Madrid
- Director of the scientific journal Psinapsis
- Master's Degree in Clinical and Health Psychology by the Spanish Society of Psychosomatic Medicine and Health Psychology
- Tutor of the Basic Psychology course at the UNED

Professors

Dr. De Dios González, Antonio

- ◆ Director of the Psychology Department of the Hospital Quirón de Marbella, Spain
- ◆ Director of Avatar Psychologists
- ◆ Master in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapies
- ◆ Transpersonal Therapist by the Spanish School of Transpersonal Development
- ◆ Master's degree in Neuro-Linguistic Programming (N.L.P.) by Richard Bandler's Society of Neuro-Linguistic Programming
- ◆ Specialist in Clinical Hypnosis and Relaxation

Dr. Martínez Lorca, Manuela

- ◆ Doctorate in Psychology from the University of Castilla-La Mancha
- ◆ Health Psychologist
- ◆ Teacher in the Department of Psychology at the University of Castilla La Mancha
- ◆ Master in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapies
- ◆ Specialist in Clinical Hypnosis and Relaxation

Dr. González Agüero, Mónica

- ◆ Psychologist in charge of the Department of Child and Adolescent Psychology at Hospital Quirón Salud Marbella and Avatar Psicólogos
- ◆ Master's degree in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapy
- ◆ University Specialist in Clinical Hypnosis with Selective Dissociation Focusing by the University of Almeria
- ◆ Collaborator in different Red Cross programs
- ◆ Professor in the Master's Degree in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapy
- ◆ Trainer of Avatar Psicólogos in different programs of emotional management for educational centers and companies. Trainer at Human Resources Consulting Services (HRCS)

Dr. Roldán, Lucía

- ◆ Health Psychologist
- ◆ Cognitive-Behavioral Intervention Specialist
- ◆ Master in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapies
- ◆ Expert in energy therapy intervention

04

Structure and Content

This Postgraduate Certificate is a complete review of the newest and most effective specific drugs in the pain unit. With a multidisciplinary vision and a complete update that includes the advances in this field of action, which will allow the physician to learn everything necessary to intervene as a specialist in the psychosocial approach to chronic pain. This specialization contains the most complete and up-to-date program, designed by experts in Psychopharmacology, constituting a great tool for physicians who wish to train in a sector with a high demand for professionals.





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Expert curriculum and quality content are the key to your learning success”

Module 1. Drugs Used in the Pain Unit

- 1.1. Medical History of the Patient with Pain
- 1.2. Psychosocial Approach to Chronic Pain
- 1.3. Patient-Controlled Analgesia (PCA)
- 1.4. Pain in Patients with Polytrauma
- 1.5. Pain in Severe Burns
- 1.6. Headaches and Facial Pain
- 1.7. Treatment of Neuralgias
- 1.8. Treatment of Oncologic Pain
- 1.9. Pain and Terminal Sedation
- 1.10. Fibromyalgia





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TECH provides you with a unique, key and decisive training experience to boost your professional development with the most advanced techniques in the industry”

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 Pharmacology of Pain 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 Pharmacology of Pain** contains the most complete and up-to-date educational 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 Pharmacology of Pain**

Official N° of hours: **200 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.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
development language
virtual classroom



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