

**Postgraduate Certificate**  
Special Pharmacology  
in the Urgency and  
Practical Management of  
Psychopharmaceuticals



## Postgraduate Certificate Special Pharmacology in the Urgency and Practical Management of Psychopharmaceuticals

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/special-pharmacology-urgency-practica-management-psychopharmaceuticals](http://www.techtute.com/us/medicine/postgraduate-certificate/special-pharmacology-urgency-practica-management-psychopharmaceuticals)

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# 01

# Introduction

It is increasingly common to find people with mental health diseases who come to polymedicated emergencies. A problem that is derived from a wider pharmacopoeia, which requires that the medical professionals must be constantly updated to address this type of situation. This 100% online program provides the medical professionals with the latest pharmacological advances, their effectiveness, their rational use and the reduction of potential side effects. All this, through a quality multimedia content to access 24 hours a day, provided by specialists in this area.





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*An online program with real and recent practical cases for direct application in patients with anxiety, seizures or depressives”*

The medical professionals must be in constant renewal of their knowledge and be aware of the novelties that occur in their area. This Postgraduate Certificate fulfils this task in the field of special pharmacology used in the Emergency, as well as the practical management of psychopharmaceuticals.

In this 100% online program, the medical professionals will delve into special considerations in the use of benzodiazepines, recent advances in antipsychotic treatments, as well as the latest scientific findings regarding the side effects produced by antidepressants. Extensive knowledge that will be extended to special populations, mainly in the use of psychopharmaceuticals in the elderly, children, pregnant women and infants.

The teaching team that teaches this program will contribute a recent content in this field based on their professional experience in the area of Mental Health. Simulations of real cases and multimedia content, which will be accessible to students during the six weeks of this program, will be a key point for the acquisition of updated knowledge.

A university program that is an excellent opportunity for the medical professionals who want to keep their knowledge up to date in a comfortable way. You only need a tablet, mobile or laptop to access the entire syllabus from the first day, without sessions with fixed schedules, or attendance. Students can view the available multimedia content, download it and distribute the teaching load according to their needs. In this way TECH provides a high level of education that allows a university program to be compatible with the professional and personal responsibilities of students.

This **Postgraduate Certificate in Special Pharmacology in the Urgency and Practical Management of Psychopharmaceuticals** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Delve into emergency psychiatric care in an integrated manner within the health care setting
- ◆ Delve into the psychiatric interview in emergency medicine and the elaboration of medical histories in this area of care
- ◆ Correctly establish a diagnostic approach in the emergency department, organicity screening and approach to psychiatric pathology
- ◆ Understand and master the different pathologies that are treated in the emergency department, differential diagnosis and treatment
- ◆ Handle different emergency situations in psychiatry: suicidal patients, affective disorders, emergencies in anxious and psychotic patients and in special populations (the elderly and child and adolescent populations)



*A Postgraduate Certificate with updated multimedia content so you are aware of the use of psychopharmaceuticals in pregnant women"*

“

*Delve into this titration in malignant neuroleptic syndrome and extrapyramidal symptoms”*

*A university education that allows you to access the entire syllabus from the first day and at any time.*

*Renew your knowledge about the use of short-acting benzodiazepines with this Postgraduate Certificate.*

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

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.



# 02 Objectives

This Postgraduate Certificate provides students with an update of knowledge, which will allow at the end of this program to have increased their knowledge around the different psychopharmaceuticals used in psychiatric emergencies, the interactions that occur in its application, as well as the recommendations present in the choice of treatments. Students will also be able to renew their knowledge in the use of certain psychopharmaceuticals in elderly patients, who often go to polymedicated emergencies. The practical cases provided by the teaching team and the specialized readings will favor the achievement of these goals.





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*Access the latest advances  
in treatments used in elderly  
population, especially polymedicated”*



## General Objectives

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- ◆ Delve into emergency psychiatric care in an integrated manner within the health care setting
- ◆ Delve into the psychiatric interview in emergency medicine and the elaboration of medical histories in this area of care
- ◆ Correctly establish a diagnostic approach in the emergency department, organicity screening and approach to psychiatric pathology
- ◆ Understand and master the different pathologies that are treated in the emergency department, differential diagnosis and treatment
- ◆ Handle different emergency situations in psychiatry: suicidal patients, affective disorders, emergencies in anxious and psychotic patients and in special populations (the elderly and child and adolescent populations)





## Specific Objectives

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- ◆ Gain deeper knowledge of the different psychotropic drugs used in psychiatric emergencies
- ◆ Gain deeper knowledge of interactions, both pharmacokinetic and pharmacodynamic
- ◆ Delve into the fundamental recommendations for therapeutic options
- ◆ Identify the risk in using psychotropic drugs in the elderly, considering pluripathology and polypharmacy

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*Renew your knowledge in the detection of risk factors in aggressive behaviors and their underlying causes”*

03

# Course Management

The medical professionals who undergoes this Postgraduate Certificate have a professional with extensive experience in the area of Mental Health, specifically in the Short Hospitalization Unit of the Hospital Complex of Toledo and in External Consultations of that health center. Their research capacity and daily work will provide students with the latest advances in pharmacological treatments applied in psychiatric emergencies, their correct choice and the consequences of over-medication by patients.





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*An expert teaching team in the area of Mental Health will provide useful case studies in Psychiatric Emergencies”*

## Management



### Dr. Sánchez-Cabezudo Muñoz, Ángeles

- ♦ Specialist in the Brief Hospitalization Unit of the Toledo University Hospital Complex
- ♦ Psychiatrist in the Outpatient Mental Health Unit of the Toledo University Hospital Complex
- ♦ Specialist in the Short Stay Unit of the Virgen del Prado Hospital
- ♦ Psychiatrist at the 12 de Octubre University Hospital, Madrid
- ♦ Psychiatrist at the Mental Health Center Usera
- ♦ Researcher and teaching medical specialist, Brief Hospitalization Unit, Virgen del Prado Hospital
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Specialty in Psychiatry from La Paz University Hospital, Madrid
- ♦ Postgraduate Certificate in Clinical Management in Psychiatry, Universitat Pompeu Fabra, Barcelona
- ♦ Member of: Working Group on the Prevention of Suicidal Behavior in Castilla la Mancha



Notes

Contact

City

Address

Secondary Address

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Primary Address

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City

Address

Signature



# 04

## Structure and Content

The syllabus of this Postgraduate Certificate provide the medical professionals with a renewed knowledge in the field of special pharmacology currently used in psychiatric emergencies. A program with recent content that delves into benzodiazepines, antipsychotics, antidepressants and eutimizers. Students will have at their disposal in this teaching video summaries of each point, videos in detail, specialized readings and practical cases, which facilitate the acquisition of the most current knowledge in this area.







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*TECH uses the Relearning system that speeds knowledge renewal and reduces long hours of study”*

## Module 1. Special Pharmacopoeia in Emergencies and Practical Psychotropic Drug Management

- 1.1. Use of Psychotropic Drugs in Emergency Medicine
- 1.2. Benzodiazepines in Emergency Medicine
  - 1.2.1. Metabolism
  - 1.2.2. Average Life
  - 1.2.3. Most Common Indications in Emergency Medicine
  - 1.2.4. Special Considerations in the Use of Benzodiazepines
- 1.3. Antipsychotics
  - 1.3.1. Special Indications in Emergency Medicine
  - 1.3.2. Special Considerations in the Use of Antipsychotics
  - 1.3.3. Most Frequent Interactions in the Use of Antipsychotics
- 1.4. Antidepressants
  - 1.4.1. Main Side Effects
  - 1.4.2. Interactions
- 1.5. Eutimizers
  - 1.5.1. Lithium Carbonate
  - 1.5.2. Valproic Acid
- 1.6. Use of Psychotropics in Elderly Patients
- 1.7. Use of Psychotropics in Child and Adolescent Populations
- 1.8. Use of Psychotropics in Pregnant / Breastfeeding Women
  - 1.8.1. Use of Psychotropics in Pregnant Women
  - 1.8.2. Use of Psychotropics in Infants
- 1.9. Psychotropics Emergencies
  - 1.9.1. Neuroleptic Malignant Syndrome
  - 1.9.2. Extrapyramidal Symptoms
- 1.10. Psychopharmaceuticals in Medical Diseases





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*An online program that allows you to know the recent advances in psychopharmaceuticals in medical diseases”*

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.





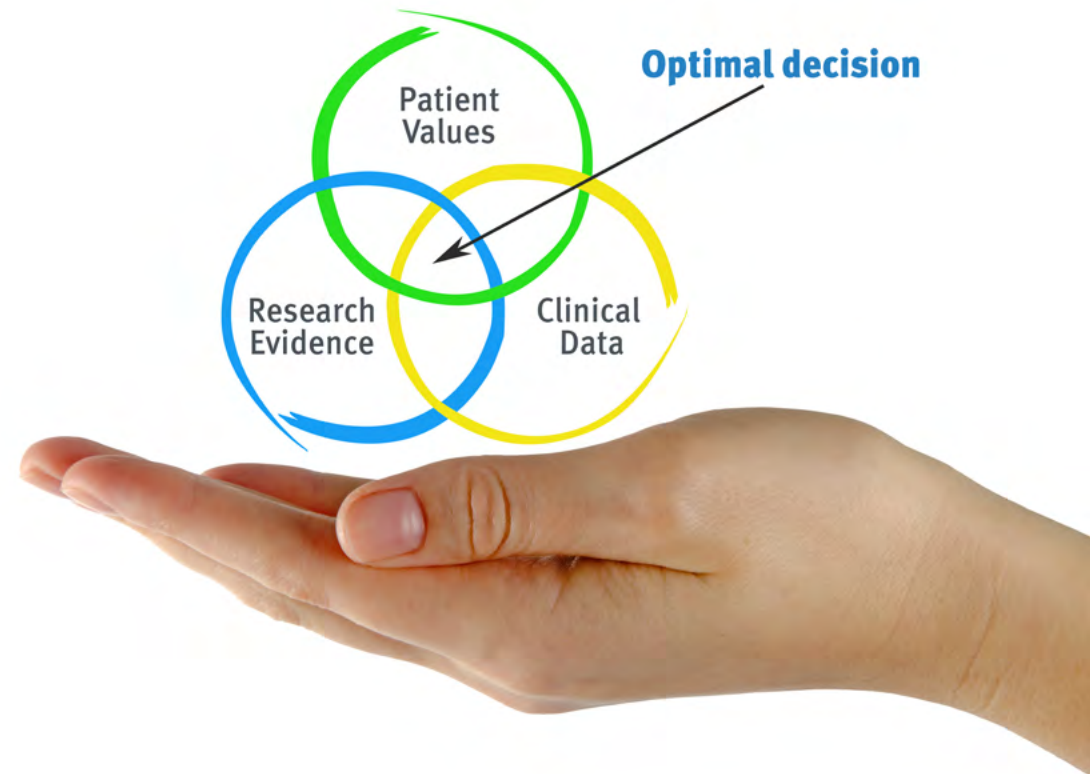
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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.

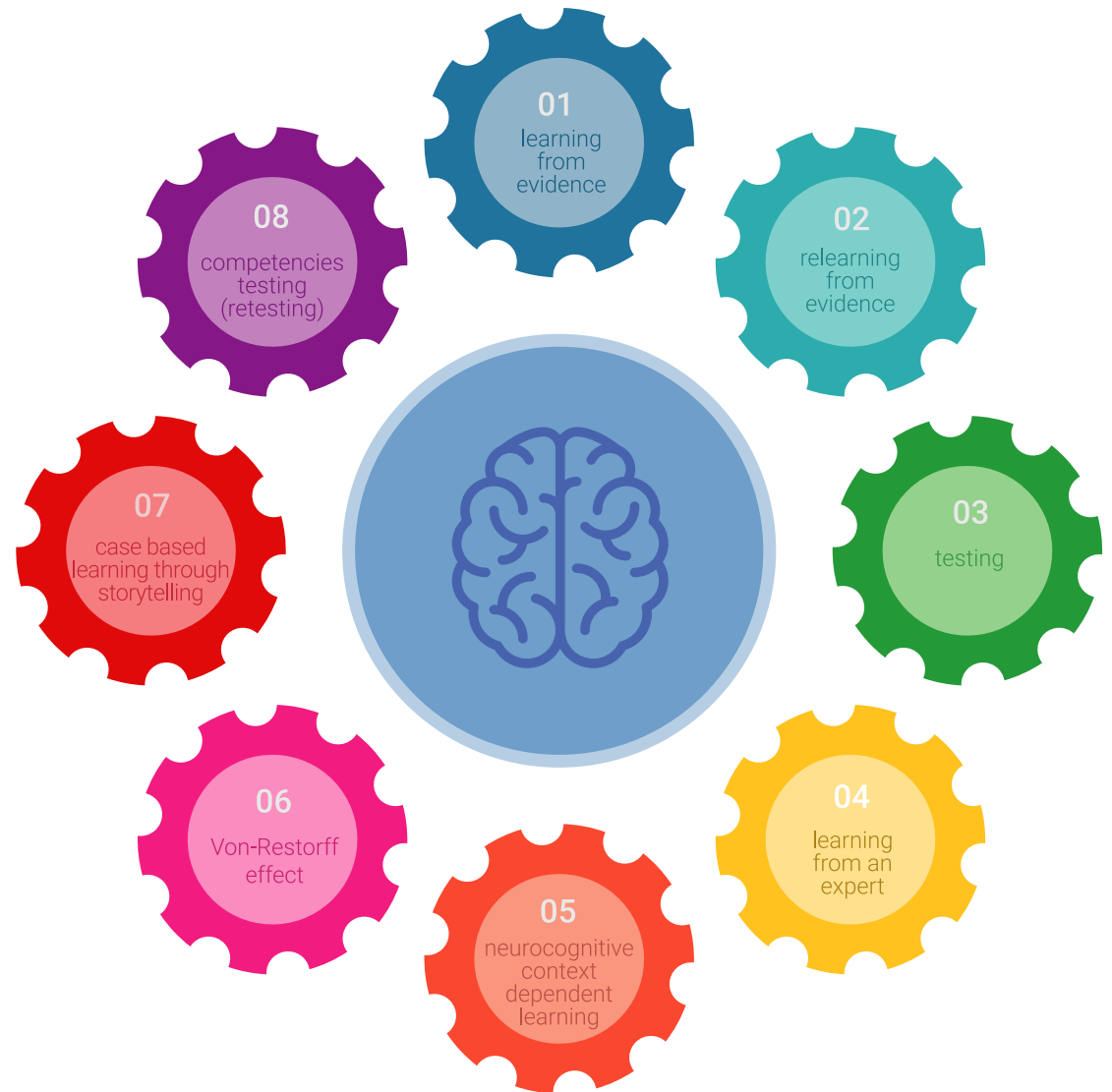


## Relearning Methodology

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 Special Pharmacology in the Urgency and Practical Management of Psychopharmaceuticals 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 Special Pharmacology in the Urgency and Practical Management of Psychopharmaceuticals** contains the most complete and up-to-date scientific 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 Special Pharmacology in the Urgency and Practical Management of Psychopharmaceuticals**

Official No. 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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