

# Postgraduate Diploma

## Patient Care in Home Hospitalization

Endorsed by:

A photograph showing a healthcare professional in a light blue uniform assisting an elderly patient. The patient is using a blue walker and has an IV drip on their left arm. The professional's hands are visible, one holding the walker handle and the other resting on the patient's arm. The background is blurred, showing a white wall and a window.

**tech** technological  
university



## Postgraduate Diploma Patient Care in Home Hospitalization

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

Website: [www.techtitute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-patient-care-home-hospitalization](http://www.techtitute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-patient-care-home-hospitalization)

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# 01

# Introduction

Patient care at home allows those who cannot travel to hospital centers to continue to receive adequate care from physicians. This program is designed to allow medical personnel to update their knowledge in home hospitalization, through the latest educational technology, so they will know the care techniques for each type of patient.







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*Excel in your profession with this program created by the leading professionals in this field”*

Home care for patients is one of the main resources to ensure that dependent persons can receive the most complete medical care possible. Technological advances in healthcare have allowed many patients to be cared for in their own homes, without the need to travel to hospitals, making this service a driving force for change in modern healthcare, a care focused on people and their health, as well as social needs.

Changes in this type of health care have been advancing on a yearly basis, in part due to the increased population need for these services. This growth has been favored by demographic change, with a decrease in birth and mortality rates, as well as an increase in the aging population, with chronic problems that become more acute and require outpatient care.

This program is oriented to delve into all those aspects that make Home Hospitalization unique and different from other medical specialties, but also to show the weaknesses and opportunities for the future that still lie ahead, taking advantage of new educational technologies.

The syllabus is oriented to know the latest scientific evidence and clinical cases in which to expand knowledge, in order to share experiences and innovative techniques already performed by fellow doctors in the field of patient care in Home Hospitalization, including pediatric patients and preventive medicine advisable in each case.

The **Postgraduate Diploma in Patient Care in Home Hospitalization** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ More than 100 practical cases presented by experts in Patient Care in Home Hospitalization
- ♦ 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
- ♦ New developments on the role of doctors in home hospitalization
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Algorithm-based interactive learning system for decision-making in the situations that are presented to the student
- ♦ With special emphasis on evidence-based medicine, and research methodologies in home hospitalization
- ♦ 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



*Thanks to this Postgraduate Diploma, doctors will be able to update their knowledge in patient care in order to adapt to the new needs in home hospitalization”*

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*This Postgraduate Diploma is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Patient Care in Home Hospitalization, you will obtain a qualification from TECH Technological University"*

The teaching staff is made up of prestigious and renowned Spanish professionals, with long careers in health care, teaching and research, who have worked in different hospitals throughout the country, garnering professional and teaching experience that is delivered in an extraordinary way in this Postgraduate Diploma.

The methodological design of this Postgraduate Diploma, developed by a multidisciplinary team of e-learning experts, integrates the latest advances in educational technology for the creation of numerous multimedia educational tools that allow the professional, based primarily on problem-solving methodology, to face real scientific problems in their daily clinical practice, which will allow them to advance in the acquisition of knowledge and the development of skills that will impact their future professional work.

It should be noted that each of the contents generated in this Postgraduate Diploma, as well as the videos, self-assessments, clinical cases and modular exams, have been thoroughly reviewed, updated and integrated by the professors and the team of experts that make up the working group, in order to facilitate the learning process in a step-by-step and didactic manner to achieve the objectives of the program.

*The educational program has been updated by experts in the field of Home Hospitalization.*

*With this Postgraduate Diploma you have the opportunity to update your knowledge in a comfortable way and without renouncing to the maximum scientific rigor, to incorporate the latest advances in Home Hospitalization in your daily medical practice.*





# 02 Objectives

The main objective of the Postgraduate Diploma is the improvement of health professionals, based on the acquisition of the most up-to-date and innovative scientific knowledge in the field of Home Hospitalization, the management of complex chronic patients and diseases with palliative needs and their treatment that will allow them to develop the skills that will turn their daily clinical practice into a bastion of the standards of the best scientific evidence available, with a critical, innovative, multidisciplinary and integrative sense.







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*Get this specialized training adapted to your profession to improve patient treatment on a daily basis”*



## General objective

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- Update professionals through the best scientific evidence available to treat and care for patients in home hospitalization, as an effective and efficient alternative to conventional hospitalization

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*Make the most of the opportunity and take the step to get up to date on the latest developments in Patient Care in Home Hospitalization”*





## Specific objectives

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### Module 1. Care for Different Specific Types of Patients

- ♦ Identify needs according to patient age
- ♦ Manage complex chronic patients
- ♦ Address psychiatric patients by managing the particularities of mental health monitoring at home

### Module 2. Management of Subsidiary Syndromes at Home

- ♦ Integrate knowledge of admission and exclusion criteria
- ♦ Manage the main symptoms and complications in post-surgical patients
- ♦ Diagnose and adjusted treatment of diseases with specific characteristics at home

### Module 3. Special Treatments

- ♦ Explain the management of complex chronic patients from the home, in order to avoid exacerbations and reduce the severity
- ♦ Identify the important role of the management figure in cases both in hospital as well as in the community
- ♦ Highlight the need to consider vaccination in patients with special needs in order to reduce the burden of disease

### Module 4. Pediatric Patient in Home Hospitalization

- ♦ Provide the necessary coping skills for the managing hospitalization stress in early stages of life
- ♦ Complete the specific home assessment involving the family
- ♦ Process procedures, classification and specific considerations for the pediatric patient

### Module 5. Preventative Medicine in Home Hospitalization

- ♦ Justify the importance of chronic disease management in times of stability for the reduction of morbidity and mortality, emergency room visits and conventional admissions
- ♦ Add knowledge about germs and measures against them at home
- ♦ Implement different treatments according to therapeutic suitability

03

# Course Management

The teaching staff includes prestigious and renowned medical specialists, with numerous publications, teaching and professional experience in numerous hospitals, where many of the diseases studied have a high morbimortality. The team of professors is comprised by a multidisciplinary team from several medical specialties such as Internal Medicine, Family Medicine, Palliative Medicine, Preventive Medicine and Nursing, among others.







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*The teaching staff includes renowned specialists from different specialists from prestigious universities”*

## Management



### Dr. Lafuente Sanchis, Manuel Pablo

- Degree in Medicine and Surgery from the University of Valencia. Spain
- Head of the Home Hospitalization and Palliative Care Service. Ribera University Hospital
- Specialist in Family and Community Medicine. Virgen de los Lirios Hospital in Alcoy, Spain
- Specialist Degree in Palliative Care. International University of La Rioja
- Specialist Degree in University teaching. Catholic University of Valencia
- Clinical Simulation Instructor. Murcia Catholic University
- Member of the Spanish Society of Home Hospitalization
- Member of the Spanish Society of Clinical Simulation
- Professor of the Nursing Degree. Urgent and Emergency Care. Catholic University of Valencia
- Professor on the Master's Degree in Palliative Care. Tech University.
- Professor on the Master's Degree in Urgent and Emergency Care. Nursing. European University of Valencia

## Professors

### Dr. Martín Marco, Antonio

- ♦ Degree in Medicine and Surgery from the University of Zaragoza, Spain
- ♦ Specialist in Internal Medicine. Arnau de Vilanova Hospital, Lleida Spain
- ♦ Attending Physician of the Home Hospitalization and Palliative Care Unit
- ♦ Head of Teaching and Research at the Palliative Care Unit
- ♦ Master's Degree in Urgent Medical Attention
- ♦ Member of the Spanish Society of Medical Oncology

### Dr. Ciancotti Oliver, Lucía

- ♦ Degree in Medicine and Surgery from the University of Valencia. Spain
- ♦ Specialist in Family and Community Medicine. Lluís Alcanyis Hospital Xàtiva
- ♦ Specialist in Preventive Medicine, Public Health and Hygiene. Dr Peset Hospital Valence
- ♦ Attending Physician in the Preventative Medicine Unit at Ribera University Hospital Valence
- ♦ Member of the Spanish Society of Preventive Medicine, Public Health and Hygiene
- ♦ Master's Degree in Public Health and Healthcare Management. University of Valencia

### Dr. Bou Monterde, Ricardo

- ♦ Degree in Medicine and Surgery from the University of Valencia. Spain
- ♦ Specialist in Preventive Medicine and Public Health
- ♦ PhD in Medicine and Surgery Department of Public Health University of Barcelona
- ♦ Head of Preventative Medicine and Public Health Service Ribera University Hospital. Valence

### Ms. Alcover Pons, Marta

- ♦ University Diploma in Nursing. University of Valencia
- ♦ Nurse, Preventive Medicine Service. Ribera University Hospital. Alzira

### Dr. Bustos, Loida Flor

- ♦ Degree in Medicine and Surgery from the University of Valencia. Spain
- ♦ Specialist in Family and Community Medicine. Clinical University Hospital of Valencia
- ♦ Clinical University Hospital of Valencia. Attending Physician in the Home Hospitalization and Palliative Care Units in Ribera University Hospital. Valence

### Mr. García-Noblejas Julià, Pablo

- ♦ University Diploma in Nursing. University of Valencia. Spain
- ♦ Attending Physician of the Home Hospitalization and Palliative Care Unit Ribera University Hospital
- ♦ Master's Degree in Hospital Management. Catholic University of Valencia. Spain

### Dr. Jara Calabuig, Irina

- ♦ Degree in Medicine and Surgery from the University of Reus Spain
- ♦ Specialist in Family and Community Medicine. Virgen de los Lirios Hospital Alcoy
- ♦ Master's Degree in Palliative Care Valladolid
- ♦ Attending Physician of the Home Hospitalization and Palliative Care Unit

**Ms. Marqués Aguilar, Elvira**

- ♦ Nursing Supervisor, Home Hospitalization and Palliative Care Unit
- ♦ University Diploma in Nursing. University of Valencia. La Fe Campus Spain
- ♦ Professional Master's Degree in School Health
- ♦ Case manager for complex chronic patients. Valencia School of Health Studies

**Dr. Santander López, Jorge**

- ♦ Degree in Medicine and Surgery from the University of Mendoza Argentina
- ♦ Specialist in Family and Community Medicine. La Fe University Hospital Valencia Spain
- ♦ Attending Physician of the Home Hospitalization and Palliative Care Unit

**Ms. Sanchis Aguilar, Paula**

- ♦ Case manager for complex chronic patients. EVES
- ♦ University Diploma in Nursing
- ♦ Attending Physician of the Home Hospitalization and Palliative Care Unit Ribera University Hospital

**Dr. Tarraso Gómez, María Luisa**

- ♦ Degree in Medicine and Surgery from the University of Valencia. Spain
- ♦ Specialist in Family and Community Medicine
- ♦ Master's Degree in Palliative Care Valladolid
- ♦ Attending Physician of the Home Hospitalization and Palliative Care Unit Ribera University Hospital
- ♦ Attending Physician in Pain Unit Ribera University Hospital
- ♦ Professor on the Professional Master's Degree in Urgent and Emergency Care European University of Valencia







**Dr. Torrijos Pastor, Antonio**

- ◆ Degree in Medicine and Surgery from the University of Cadiz Spain
- ◆ Specialist in Family and Community Medicine. Marina Baja Hospital Villajoyosa
- ◆ Master's Degree in Palliative Care Valladolid
- ◆ Attending Physician of the Home Hospitalization and Palliative Care Unit

**Ms. Vila Herranz, Mireia**

- ◆ University Diploma in Nursing. Catholic University of Valencia. Spain
- ◆ Postgraduate Certificate in Terminal Illness and Palliative Care for Nurses
- ◆ Nurse in the Home Hospitalization and Palliative Care Unit
- ◆ Lecturer in Palliative Care training courses. EVES

**Ms. Amoros Cantero, Aurora**

- ◆ University Diploma in Nursing. University of Valencia
- ◆ Nurse, Preventive Medicine Service. Ribera University Hospital

04

# Structure and Content

This program has been created by a group of professors and medical professionals from various specialties, with extensive clinical research and teaching experience, interested in integrating the latest and most current scientific knowledge of home hospitalization, to ensure professional development to improve the daily clinical practice of professionals who care for patients or populations in the community.





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*It includes clinical cases to bring the program content as close as possible to the reality of medical practice”*



## Module 1. Care for Different Specific Types of Patients

- 1.1. Fragile Geriatric Patient
  - 1.1.1. Peculiarities in a Geriatric Patient
  - 1.1.2. Relationship Model with Assisted Care Residences
  - 1.1.3. Treatment of Geriatric Patients
- 1.2. Complex Chronic Patient
  - 1.2.1. Definition
  - 1.2.2. Management Models for Complex Chronic Patients
  - 1.2.3. Terminal Criteria
- 1.3. Palliative Patient
  - 1.3.1. Differences Between an Oncologic or Non-Oncologic Palliative Patient
  - 1.3.2. Terminal Criteria
  - 1.3.3. Management Models for Palliative Patients
- 1.4. Polyfrequency Patients
  - 1.4.1. Case Management
- 1.5. Home-Based Antibiotic Therapy
  - 1.5.1. General Aspects
  - 1.5.2. Home Intravenous Antibiotic Therapy
- 1.6. Psychiatric Patient
  - 1.6.1. Peculiarities of Home-Based Mental Health Monitoring
- 1.7. Pediatric Patient
  - 1.7.1. Considerations in a Pediatric Patient



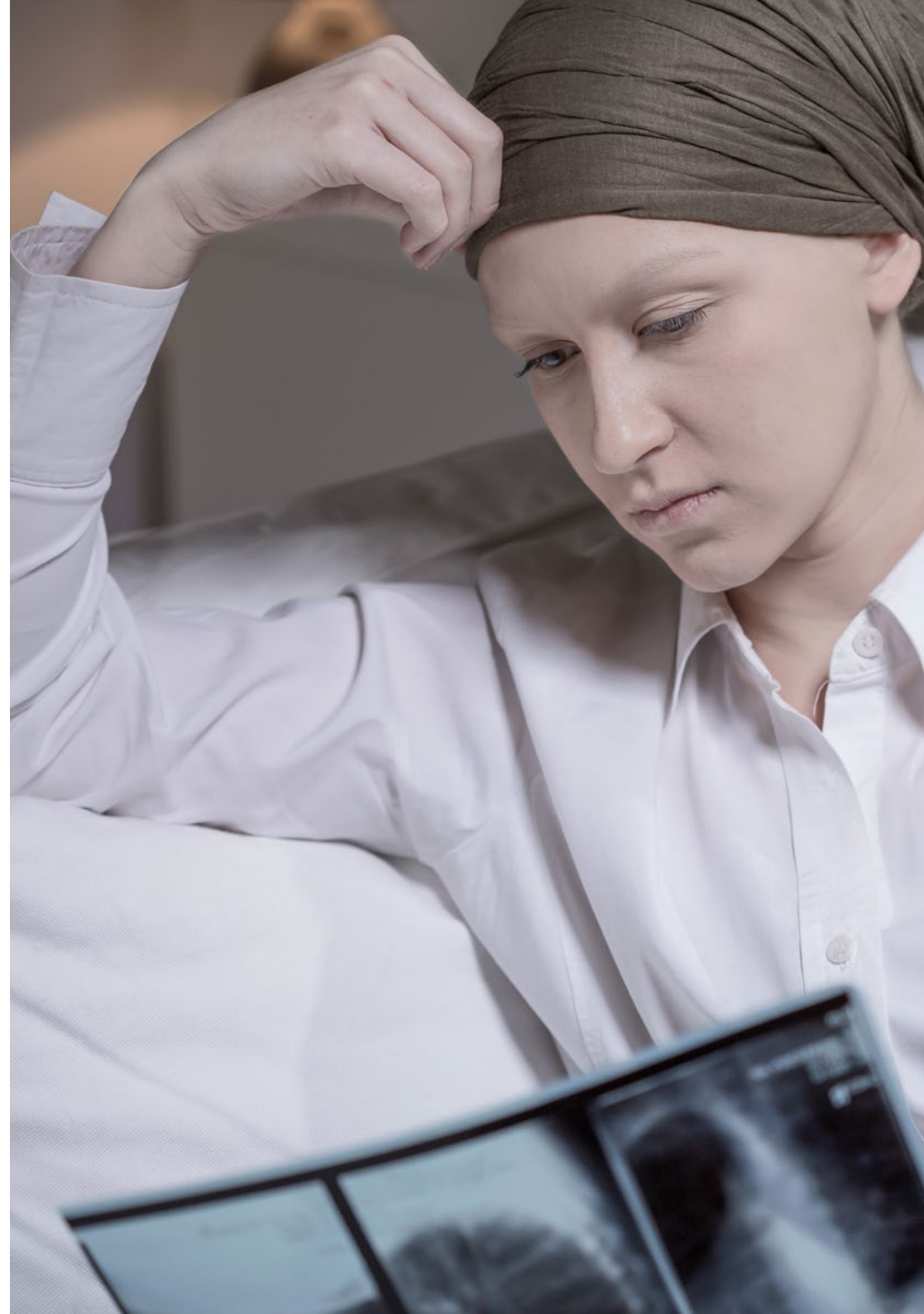


**Module 2. Management of Subsidiary Syndromes at Home**

- 2.1. Heart Failure
  - 2.1.1. Criteria for Admission and Exclusion
  - 2.1.2. Management of Treatment and Symptoms in the Home
  - 2.1.3. Criteria for Discharge
- 2.2. COPD
  - 2.2.1. Criteria for Admission and Exclusion
  - 2.2.2. Management of Treatment and Symptoms in the Home
- 2.3. Caring for a Patient Post-Surgery
  - 2.3.1. Criteria for Admission and Exclusion
  - 2.3.2. Management of the Main Symptoms and Complications in Post-Surgery Patients
- 2.4. Neurological Patient
  - 2.4.1. Dementia
  - 2.4.2. Multiple Sclerosis
  - 2.4.3. ALS
- 2.5. DVT and PE
  - 2.5.1. Home-Based Diagnosis
  - 2.5.2. Treatment Adjusted to the Home
  - 2.5.3. Admission Criteria in Conventional Hospitalization
- 2.6. Home-Based Rehabilitation Loss of Functionality Fractures
  - 2.6.1. Scales of Functionality
  - 2.6.2. Possibilities for Home-Based Rehabilitation
- 2.7. Nephrourological Emergencies
  - 2.7.1. Pyelonephritis
  - 2.7.2. Urinary Tract Infections
  - 2.7.3. Prostate Disease
  - 2.7.4. Acute and Chronic Kidney Disease
- 2.8. Patient with Digestive Diseases
  - 2.8.1. Cirrhosis
  - 2.8.2. Hepatic Encephalopathy
  - 2.8.3. Small Intestine

### Module 3. Special Treatments

- 3.1. Serotherapy and Medication
  - 3.1.1. Peripheral Routes
  - 3.1.2. Central Routes
  - 3.1.3. Drug Combinations
- 3.2. Administration of Blood Products
  - 3.2.1. Red blood Cell Concentrates
  - 3.2.2. Platelet Pool
  - 3.2.3. Plasma
  - 3.2.4. Protocols for Transfusion of Blood Derivatives at Home
- 3.3. Subcutaneous Medication
  - 3.3.1. Elastomeric Infusers
  - 3.3.2. Treatment with the Possibility of Subcutaneous Administration
  - 3.3.3. Drug Combinations
- 3.4. Chemotherapy at Home
  - 3.4.1. Classification
  - 3.4.2. Considerations
- 3.5. Intravenous Treatment on Home Perfusion Pump
  - 3.5.1. Classification
  - 3.5.2. Considerations
- 3.6. Bladder and Digestive Probes
  - 3.6.1. Home Replacement Protocols
  - 3.6.2. Technical Videos
- 3.7. PEG Replacement
  - 3.7.1. Home Replacement Protocols
  - 3.7.2. Technical Videos
- 3.8. Tracheostomy Replacement
  - 3.8.1. Home Replacement Protocols
  - 3.8.2. Technical Videos
- 3.9. Obtaining and Transporting Samples: analytical, cultures, etc.



**Module 4. Pediatric Patient in Home Hospitalization**

- 4.1. Introduction
  - 4.1.1. Pediatric Patient Particularities
- 4.2. Specific Pediatric Assessment at Home
  - 4.2.1. Considerations
- 4.3. Pediatric Oncology
- 4.4. Infections in Pediatrics
  - 4.4.1. Classification
  - 4.4.2. Procedures
- 4.5. Congenital Diseases
  - 4.5.1. Classification
  - 4.5.2. Considerations
- 4.6. Legality in Pediatric Patient Care
  - 4.6.1. Considerations

**Module 5. Preventative Medicine in Home Hospitalization**

- 5.1. Preventative Medicine
  - 5.1.1. Concepts and Overviews
- 5.2. Hygiene
  - 5.2.1. Considerations
  - 5.2.2. Procedures in the Home
- 5.3. Colonization in Infection by Multiresistant Germs Home Measurements
  - 5.3.1. Colonization
  - 5.3.2. Multiresistant Germs
  - 5.3.3. Home Measurements
- 5.4. Adequacy of Antibiotic Treatment at Home
  - 5.4.1. Types of Treatment
  - 5.4.2. Therapeutic Suitability
- 5.5. Vaccination in Special Patients
  - 5.5.1. Vaccines
  - 5.5.2. Special Patients



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. 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 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 Diploma in Patient Care in Home Hospitalization guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.







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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This **Postgraduate Diploma in Patient Care in Home Hospitalization** 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 diploma** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Patient Care in Home Hospitalization**

Official N° of hours: **525 h.**

Endorsed by: **Professional Master's Degree in Home Hospitalization**



\*Apostille Convention. In the event that the student wishes to have their paper certificate 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



**Postgraduate Diploma**  
Patient Care in  
Home Hospitalization

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

# Postgraduate Diploma

## Patient Care in Home Hospitalization

Endorsed by:

