



Postgraduate Diploma

Complex Chronic and Palliative Patient 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-complex-chronic-palliative-patient-home-hospitalization

Index

 $\begin{array}{c|c} \text{Introduction} & \text{Objectives} \\ \hline 03 & 04 & 05 \\ \hline \text{Course Management} & \text{Structure and Content} & \text{Methodology} \\ \hline & p. 12 & p. 16 & \\ \hline \end{array}$

06 Certificate





tech 06 | Introduction



Demographic change calls for an extreme rethinking of healthcare to focus more on patient care. The fact is that the increase in aging also brings with it an increase in chronic diseases. In fact, it is estimated that around 70% of elderly Spaniards suffer from at least one chronic disease. Although palliative care is mainly provided for diseases that can no longer be cured, such as advanced cancers, in the case of the elderly, this type of care is also important without the need to be an oncology patient, since certain types of chronic diseases can lead to the need for this type of care.

In these cases, home hospitalization is of utmost importance, since patients will have less difficulty being treated at home than if they have to travel to hospitals, making home hospitalization the engine of change in modern health care, a care focused on people and their health and social needs.

This program is focused on deepening the understanding of all aspects which make home hospitalization unique and different from other medical specialties. It also demonstrates the weaknesses and future opportunities we have ahead of us, making the most of new educative technology available.

With this Postgraduate Diploma, students will learn about the management of infections at home, palliative care in oncology patients, pain treatment and the most innovative therapeutic and diagnostic techniques on the market, offering physicians the most updated offer to provide the best service to their patients.

This Postgraduate Diploma in Complex Chronic and Palliative Patient in Home Hospitalization contains the most complete and up to date scientific program on the market. The most important features of the program include:

- The development of more than 100 case studies presented by experts in home hospitalization, complex chronic patient management and palliative care.
- 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.
- News on the role of physicians and nurses in home hospitalization.
- The content of 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.
- Its special emphasis on evidence-based medicine and home hospitalization research 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







With this Postgraduate Diploma you have the opportunity to update your knowledge in a comfortable way and without renouncing the maximum scientific rigor, to incorporate the latest advances in the approach to the medical hospitalization of complex chronic and palliative patients in your daily medical practice"

Its faculty is made up of prestigious and renowned Spanish professionals, with a long career in health care, teaching and research, who have worked in different hospitals throughout the country, developing a professional and teaching experience that they deliver 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 fundamentally on the scientific method, to face the solution of real 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 in this Postgraduate Diploma that each of the contents generated, as well as the videos, self-tests, 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, to facilitate the learning process in a step-by-step and didactic manner, in order to achieve the objectives of the teaching program.

This Postgraduate Diploma integrates the latest advances in educational technology.

Do not miss the opportunity to train yourself with this Postgraduate Diploma that includes more than a hundred case studies in its program.









tech 10 | Objectives



General Objective

• Bring the doctor's knowledge up to date using the best scientific evidence for the management of illnesses and patients in the field of home hospitalization, as an efficient and effective alternative to conventional hospitalization.



Take the opportunity and take the step to get up to date on the latest Complex Chronic and Palliative Patient in Home Hospitalization"









Specific Objectives

- Provide students with advanced, in-depth, updated, and multidisciplinary information that allows them to comprehensively approach the process of health and illness in the home.
- Provide training and practical theoretical improvement that will enable a reliable clinical diagnosis supported by the efficient use of diagnostic methods to indicate an effective integral treatment.
- Assess and interpret the characteristics and special conditions of patients with hospital needs, but in their home.
- Explain the care of complex chronic patients from the home, in order to avoid and/ or reduce the severity of flare-ups.
- Highlight the importance of morbidity and mortality due to multi-resistant infections in complex patients with special needs.
- Explain the most common pathogenic mechanisms and neoplasms associated with the advanced palliative needs.
- Study the current pathophysiological elements between non-transmissible chronic diseases and infections.
- Gain an in-depth understanding of the most innovative clinical, diagnostic and therapeutic elements of diseases in the home.
- Identify the main clinical syndromes which are possible to treat and monitor from 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.

- Highlight palliative needs as one of the fields which has progressed the most in home hospitalization.
- To highlight the need to consider vaccination in patients with special needs in order to reduce the burden of disease.







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. Tarraso Gómez, Mª 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 in the Home Hospitalization and Palliative Care Units in La 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. 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

Dr. Duart Clemente, Cristina

- Degree in Medicine and Surgery from the University of Valencia. Spain
- * Specialist in Family and Community Medicine. Ribera University Hospital. Alcoy
- Master's Degree in Palliative Care Valladolid
- * Attending Physician of the Home Hospitalization and Palliative Care Unit

Dr. Ciancotti Oliver, Lucía

- Degree in Medicine and Surgery from the University of Valencia. Spain
- * Specialist in Family and Community Medicine. Lluis Alcanyis Hospital Xàtiva
- Specialist in Preventive Medicine, Public Health and Hygiene. Dr Peset Hospital Valencia
- Attending Physician in the Preventative Medicine Unit at Ribera University Hospital Valencia
- 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.
 Valencia

Dr. Torrijos Pastor, Antonio

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

Dr. Santander López, Jorge

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

Dr. Flor Bustos, Loida

- * 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. Valencia





tech 18 | Structure and Content



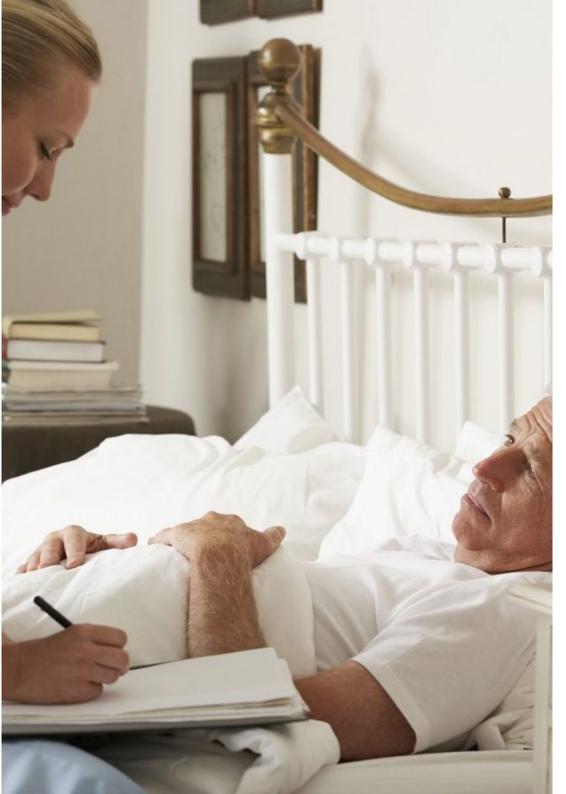
Module 1. Management of Infections at Home Admission and Exclusion Criteria, Management, Discharge Criteria:

- 1.1. Pneumonia
 - 1.1.1. Diagnosis
 - 1.1.2. Home-Based Management
 - 1.1.3. Bronchoaspirations Prevention and Management
- 1.2. Infections of the Urinary Tract
 - 1.2.1. Pyelonephritis
 - 1.2.2. Urinary Tract Infections
 - 1.2.3. Prostatitis
- 1.3. Intra-Abdominal Infections
 - 1.3.1. Liver Abscesses
 - 1.3.2. Post-Surgery Abscesses
 - 1.3.3. Cholecystitis and Cholangitis
 - 1.3.4. Diverticulitis
 - 1.3.5. Infectious Pancreatitis
- 1.4. Abscesses.
 - 1.4.1. General aspects
 - 1.4.2. Treatment
 - 1.4.3. Types of Cure
- 1.5. Soft Tissue Infections
 - 1.5.1. Concept
 - 1.5.2. Classification
- 1.6. Infection of Surgical Wounds
 - 1.6.1. Concept
 - 1.6.2. Classification
- 1.7. Osteomyelitis
 - 1.7.1. Concept
 - 1.7.2. Classification
- 1.8. Endocarditis
 - 1.8.1. Concept
 - 1.8.2. Classification

- 1.9. Prosthesis and Intra-Vascular Devices Infections
 - 1.9.1. Concept
 - 19.2. Classification
- 1.10. Febrile Neutropenia
 - 1.10.1. Diagnosis
 - 1.10.2. Treatment

Module 2. Palliative Care in Oncological Patients

- 2.1. Comprehensive Assessment in Palliative Care
 - 2.1.1. Medical History Model in Palliative Care
 - 2.1.2. Anamnesis in Palliative Care
 - 2.1.3. The Importance of Family and Social Circumstances in a Comprehensive Assessment
- 2.2. Assessment Scales in Palliative Care
 - 2.2.1. ECOG
 - 2.2.2. Barthel
 - 2.2.3. Karnofsky
 - 2.2.4. VAS
 - 2.2.5. Edmonton Symptom Assessment Scale
 - 2.2.6. Gijon Scale
 - 2.2.7. Family Apgar
 - 2.2.8. Pfeiffer
 - 2.2.9. Nutritional Assessment
- 2.3. Continuous Care Models in Palliative Oncology Patients
 - 2.3.1. Palliative Patients
 - 2.3.2. Models
- 2.4. Pain Management in Palliative Care
 - 2.4.1. Analgesic Ladder
 - 2.4.2. First Step
 - 2.4.3. Second Step
 - 2.4.4. Third Step
 - 2.4.5. Coadjuvants



Structure and Content | 19 tech

2.5.	Control	of Dy	/spnea

- 2.5.1. Diagnosis
- 2.5.2. Etiology
- 2.5.3. Home-Based Management

2.6. Delirium Control

- 2.6.1. Diagnosis
- 2.6.2. Etiology
- 2.6.3. Home-Based Management

2.7. Nausea and Vomiting Control

- 2.7.1. Diagnosis
- 2.7.2. Etiology
- 2.7.3. Home-Based Management

2.8. Alterations in Intestinal Rhythm Diarrhea and Constipation

- 2.8.1. Diagnosis
- 2.8.2. Etiology
- 2.8.3. Home-Based Management

2.9. Anorexia-Cachexia

- 2.9.1. Diagnosis
- 2.9.1. Etiology
- 2.9.2. Home-Based Management

2.10. Anxiety-Insomnia

- 2.10.1 Diagnostics
- 2.10.2. Etiology
- 2.10.3. Home-Based Management

2.11. Situation in a Patient's Last Days and Palliative Sedation

- 2.11.1. Terminal Criteria
- 2.11.2. Palliative Sedation vs Passive Euthanasia vs Active Euthanasia
- 2.11.3. Home-Based Management

2.12. Grief and Family Care

- 2.12.1. Grief
- 2.12.2. Family Circle

2.13. Spanish and European Legality on Palliative Care

- 2.13.1. Legal Aspects of Palliative Care in Europe
- 2.13.2. Legal Aspects of Palliative Care in Spain

tech 20 | Structure and Content

- 2.14. Anticipated Wishes
 - 2.14.1. Definition
 - 2.14.2. The Most Important Aspects to Keep in Mind

Module 3. Breast Cancer

- 3.1. Pain Management
 - 3.1.1. General aspects
 - 3.1.2. Considerations in the Home
- 3.2. Scales and Assessment of Patient in Pain
 - 3.2.1. Classification
 - 3.2.2. Patient Assessment
- 3.3. First-Line Analgesic Treatment
 - 3.3.1. Treatment
 - 3.3.2. Procedures in the Home
- 3.4. 2nd Line Analgesic Treatment
 - 3.4.1. Treatment
 - 3.4.2. Procedures in the Home
- 3.5. Third Step Treatment Opioids
 - 3.5.1. Treatment
 - 3.5.2. Procedures in the Home
- 3.6. Coadjuvants
 - 3.6.1. Classification
 - 3.6.2. Procedures
- 3.7. Interventional Pain Management
 - 3.7.1. Interconsultation
 - 3.7.2. Procedures in the Home
- 3.8. Current Legality in the Management of Opioid Analgesics
 - 3.8.1. Current Spanish Legal Framework



Module 4. Therapeutic Techniques

- 4.1. Paracentesis
 - 4.1.1. Procedure
 - 4.1.2. Home Paracentesis
- 4.2. Thoracentesis
 - 4.2.1. Procedure
 - 4.2.2. Home Thoracentesis
- 4.3. Arthrocentesis
 - 4.3.1. Procedure
 - 4.3.2. Home Arthrocentesis
- 4.4. Oxygen Therapy
 - 4.4.1. Procedure
 - 4.4.2. Home Oxygen Therapy
- 4.5. Aerosol Therapy
 - 4.5.1. Procedure
 - 4.5.2. Home Aerosol Therapy
- 4.6. Mechanical Ventilation
 - 4.6.1. Procedure
 - 4.6.2 Home Mechanical Ventilation

Module 5. Diagnostic Techniques

- 5.1. ECG
 - 5.1.1. Procedure
 - 5.1.2. ECG at Home
- 5.2. Ultrasound
 - 5.2.1. Procedure
 - 5.2.2. Ultrasound at Home
- 5.3. Pusioximetry
 - 5.3.1. Procedure
 - 5.3.2. Pusioximetry at Home
- 5.4. Analysis
 - 5.4.1. Procedure
 - 5.4.2. Blood Analysis at Home
- 5.5. Cultures
 - 5.5.1. Procedure
 - 5.5.2. Blood Analysis at Home
- 5.6. Scales (functional, cognitive, nutritional assessment)
 - 5.6.1. Procedure
 - 5.6.2 Classification



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







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 can 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.





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:

- Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
- 2. The learning process has a clear focus on 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.
- 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.



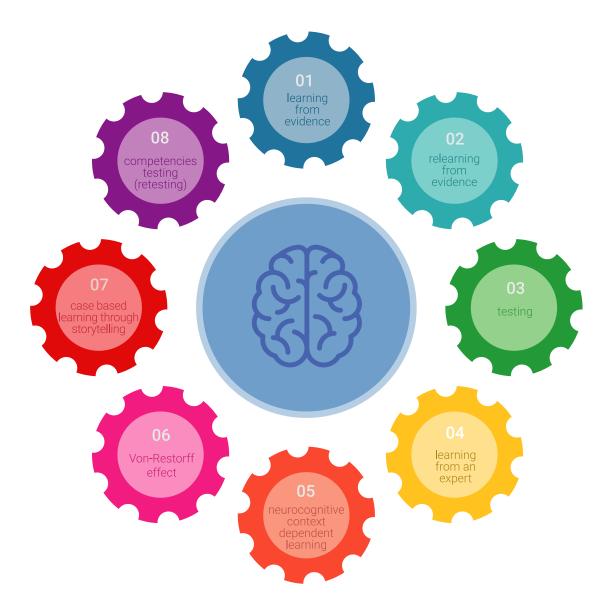


Re-learning Methodology

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 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.



Methodology | 27 tech

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).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic 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 really 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

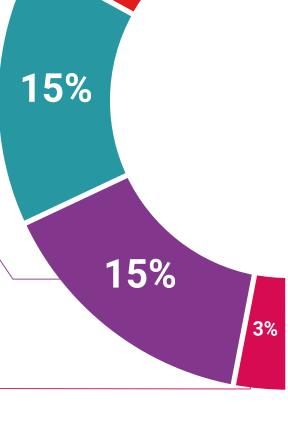
TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many 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".

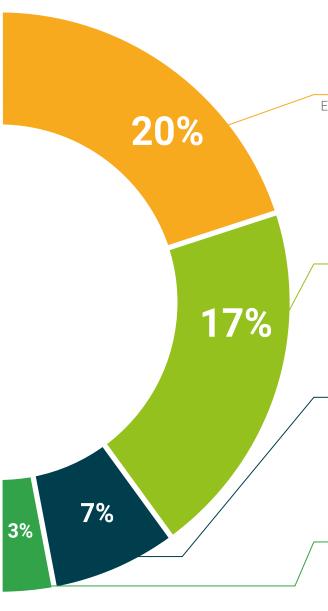




Additional Reading

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

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 your 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.







tech 32 | Certificate

This Postgraduate Diploma in Complex Chronic and Palliative Patient 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 Complex Chronic and Palliative Patient in Home Hospitalization

Official Number of Hours: 650

Scientifically endorsed by the Valencian Society of Hospital at Home.





^{*}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.

health

guarantee

Community

Community

technological

university

Postgraduate Diploma Complex Chronic and Palliative Patient in Home Hospitalization

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

