

# Postgraduate Certificate

## Diagnostic Techniques in Home Hospitalization

Endorsed by:





## Postgraduate Certificate Diagnostic Techniques in Home Hospitalization

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/diagnostic-techniques-home-hospitalization](http://www.techtute.com/us/medicine/postgraduate-certificate/diagnostic-techniques-home-hospitalization)

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# 01

# Introduction

Diagnostic techniques are the main tools available to physicians to determine the diseases of their patients. Advances in this field make diagnoses more accurate, so it is necessary for healthcare professionals to be aware of the latest developments in this sector in order to use the most appropriate techniques in each case. Thanks to this program, the physician will be able to get up to date in the most common diagnostic techniques in Home Hospitalization.





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*This Postgraduate Certificate is the best opportunity you can have to complete your specialization”*

The evolution of diagnostic techniques has allowed for early and precise detection of diseases that previously required more procedures. It is therefore important to continue to innovate in healthcare technologies so that doctors can make increasingly better diagnoses, which will help to cure and prevent certain diseases.

But at the same time diagnostic techniques are improving, it is necessary for professionals to be aware of all these new developments in order to know how to implement the new tools in their daily practice with patients. In the case of home hospitalization, it is also necessary for physicians to know what type of diagnostic techniques can be performed in each case, since this type of hospitalization must have the same quality as hospital centers, even without the same machinery.

Thus, healthcare professionals will have to follow a series of more specific procedures when performing their work outside hospital facilities, so that all tests performed reach the laboratories in an appropriate manner.

With this Postgraduate Certificate, the student will learn about the most innovative diagnostic techniques in the Home Hospitalization market, offering the physician the most up-to-date offer to provide the best service to their patients.

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

This **Postgraduate Certificate in Techniques Diagnosis in Home Hospitalization** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of more than 100 case studies presented by experts in Diagnostic Techniques 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
- ♦ Latest information on the role of doctors in home hospitalization
- ♦ Practical exercises where the self-evaluation 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
- ♦ 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



*Update your knowledge with the program in Diagnostic Techniques in Home Hospitalization"*



“ *The multimedia content will aid specialists in contextual learning to prepare for real situations. This will allow you to acquire knowledge in a more efficient way*”

Its teaching staff is made up of prestigious and renowned Spanish professionals, with a long history in health care, teaching and research, who have worked in different hospitals in Spain, developing a professional and teaching experience that they deliver in an extraordinary way in this Postgraduate Certificate.

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

It should be noted that each of the contents generated in this Postgraduate Certificate, 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, in order to facilitate the learning process in a didactic and gradual manner that will allow the objectives of the teaching program to be achieved.

*Combine your studies with your work and private life thanks to the possibility of taking this Postgraduate Certificate 100% online.*

*Take advantage of this Postgraduate Certificate to advance your career and be the best in Home Hospitalization patient care.*

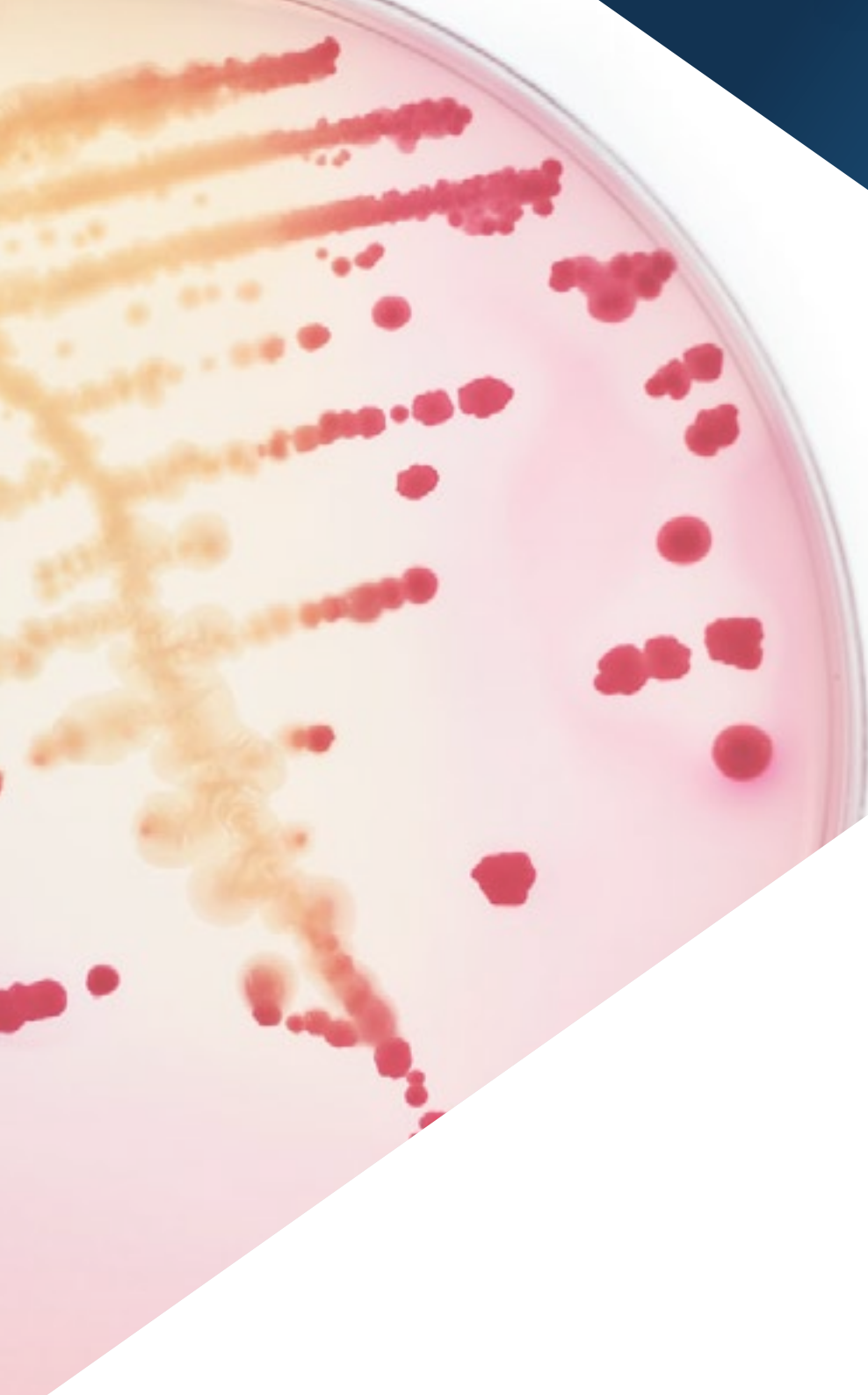


# 02 Objectives

The main objective of the Postgraduate Certificate 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 that require palliative care and their treatment, which will allow them to develop the skills that will turn their daily clinical practice into a bastion of the best scientific evidence available.







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*Keeping up to date is key to providing better care to our patients”*



### General objective

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- Update the physician, through the best scientific evidence, on Diagnostic Techniques in Home Hospitalization, as an effective and efficient alternative to conventional hospitalization



*Take advantage of the opportunity and step up to the latest developments in Diagnostic Techniques in Home Hospitalization”*





## Specific objectives

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- Provide knowledge 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
- Provide theoretical content on the latest techniques in hospital home treatment

03

# Course Management

The teaching program includes the participation of prestigious and renowned medical specialists, masters and university experts with numerous publications, teaching experience and professional experience in numerous hospitals, where many of the diseases studied have a high morbidity and mortality rate. The team of professors is made up of a multidisciplinary faculty from various medical specialties such as Internal Medicine, Family Medicine, Palliative Medicine, Preventive Medicine, Nursing, among others.





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*Learn from the best medical professionals  
and complement your skills in the field of  
Home Hospitalization”*

## Management



### **Dr. Lafuente Sanchis, Manuel Pablo**

- ◆ Degree in Medicine and Surgery, University of Valencia. Spain
- ◆ Head of the Home Hospitalization and Palliative Care Service at the University Hospital of La Ribera
- ◆ Specialist in Family and Community Medicine, Virgen de los Lirios Hospital in Alcoy Spain
- ◆ Postgraduate Diploma in Palliative Care at International University of La Rioja
- ◆ Postgraduate Diploma in University Teaching at Valencia Catholic University, Spain
- ◆ Clinical Simulation Instructor at the Murcia Catholic University, Spain
- ◆ Member of the Spanish Society of Home Hospitalization
- ◆ Member of the Spanish Society of Clinical Simulation
- ◆ Professor of the Nursing Degree. Urgencies and Emergencies, 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

### Ms. Amoros Cantero, Aurora

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

### Ms. Alcover Pons, Marta

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

### 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
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- ♦ 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. 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. La Ribera Spain at, 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
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**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
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- ♦ 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

**Ms. Marqués Aguilar, Elvira**

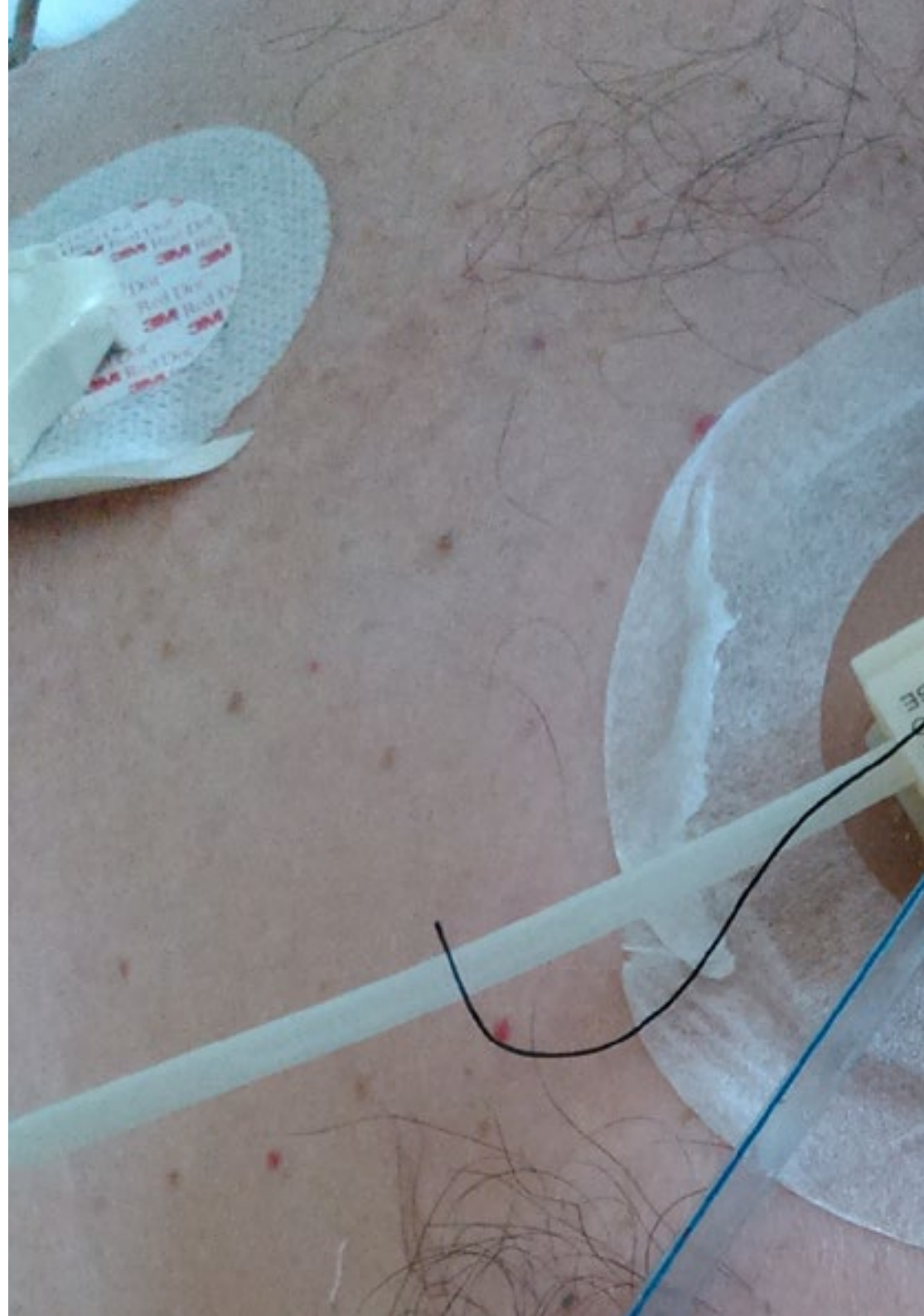
- ♦ Nursing Supervisor, Home Hospitalization and Palliative Care Unit
- ♦ University Diploma in Nursing. University of Valencia. La Fe Campus Spain
- ♦ Professional Master's Degree in School Health
- ♦ Case manager for complex chronic patients. Valencia School of Health Studies

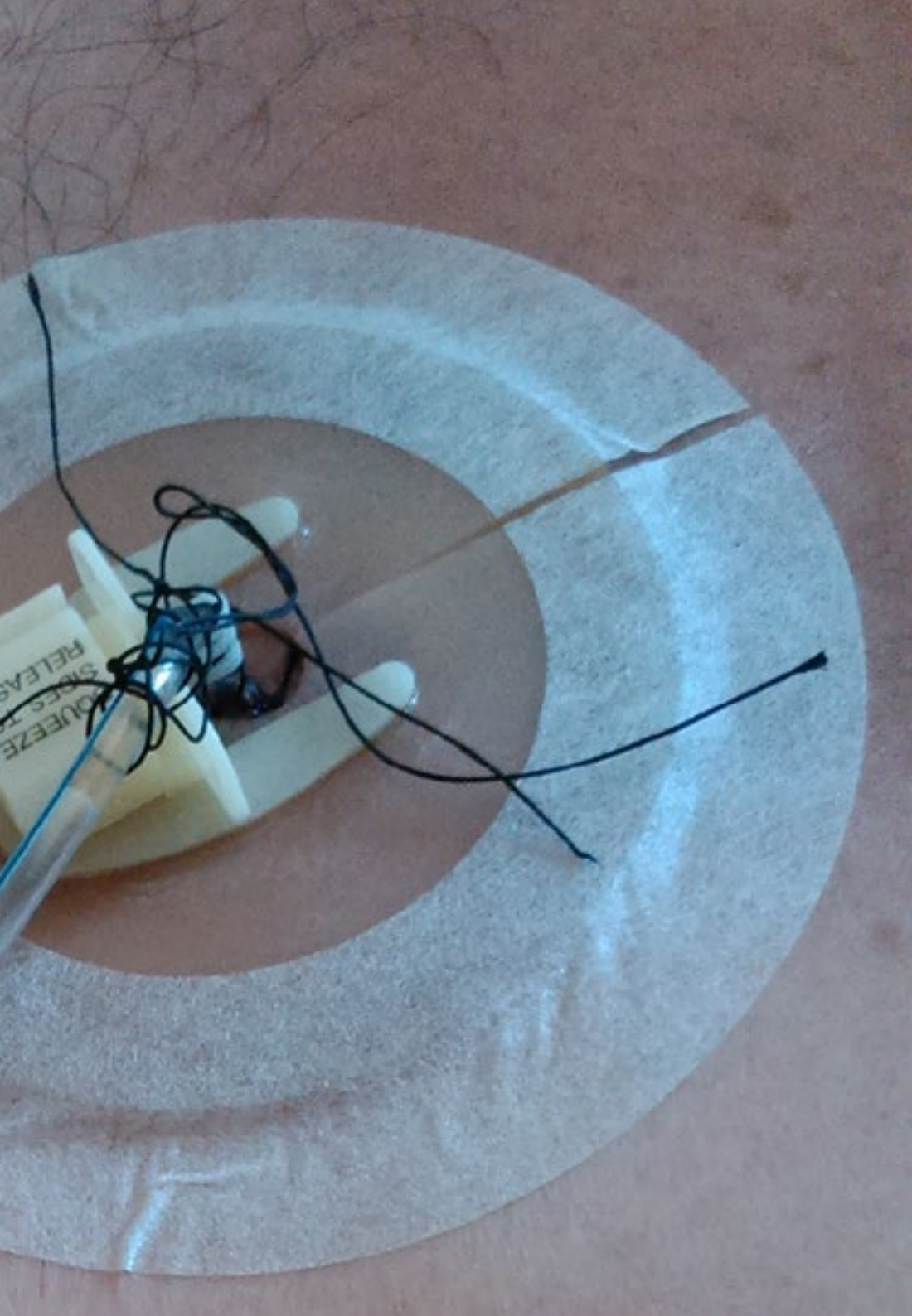
**Dr. Santander López, Jorge**

- ♦ Assistant Physician of the Home Hospitalization and Palliative Care Unit at La Fe Hospital
- ♦ Specialist in Family and Community Medicine
- ♦ Specialist in Home Hospitalization and Palliative Care
- ♦ Degree in Medicine and Surgery from the University of Mendoza, Argentina
- ♦ University Expert in Pain

**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
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**Ms. Vila Herranz, Mireia**

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



# 04

## Structure and Content

The teaching 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 scientific knowledge of Home Hospitalization, to ensure professional development and improvement in order to improve the daily clinical practice of professionals who care for patients or populations in the community.



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*Study the most complete and up-to-date  
scientific program on the market”*

## Module 1. Diagnostic Techniques

- 1.1. ECG
  - 1.1.1. Procedure
  - 1.1.2. ECG at Home
- 1.2. Ultrasound
  - 1.2.1. Procedure
  - 1.2.2. Ultrasound at Home
- 1.3. Pulse Oximetry
  - 1.3.1. Procedure
  - 1.3.2. Pulse Oximetry at Home
- 1.4. Analysis
  - 1.4.1. Procedure
  - 1.4.2. Blood Analysis at Home
- 1.5. Cultures
  - 1.5.1. Procedure
  - 1.5.2. Blood Analysis at Home
- 1.6. Scales (Functional, Cognitive, Nutritional Assessment, etc.)
  - 1.6.1. Procedure
  - 1.6.2. Classification







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

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 Diagnostic Techniques in Home Hospitalization guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Global University.







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

This program will allow you to obtain your **Postgraduate Certificate in Diagnostic Techniques in Home Hospitalization** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Diagnostic Techniques in Home Hospitalization**

Modality: **online**

Duration: **6 weeks**

Accreditation: **4 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University 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

online training

development

languages

virtual classroom

**tech** global  
university

**Postgraduate Certificate**  
Diagnostic Techniques  
in Home Hospitalization

- » Modality: online
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