

# Postgraduate Certificate

## Nursing Diagnostic Techniques in Home Hospitalization





## Postgraduate Certificate Nursing Diagnostic Techniques in Home Hospitalization

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

Website: [www.techtitute.com/pk/nursing/postgraduate-certificate/nursing-diagnostic-techniques-home-hospitalization](http://www.techtitute.com/pk/nursing/postgraduate-certificate/nursing-diagnostic-techniques-home-hospitalization)

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# 01

# Introduction

Caring for patients who are hospitalized at home at times require appropriate diagnostic techniques to be performed. To accomplish this, nursing professionals must be familiar with the techniques and technology used in each situation. This program will take you through the necessary training to know them and apply them safely.







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*Learn the use of home diagnostic techniques in a program created for nursing professionals.*

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 and nurses can make increasingly better diagnoses, which will help 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 nursing professionals to know what type of diagnostic techniques to be performed in each case, since this type of hospitalization must equal the quality at hospital centers, even without the same equipment.

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, students will learn about the most innovative diagnostic techniques in the home hospitalization market, offering nurses the most updated program to provide the best care to their patients.

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

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

- ◆ More than 100 practical cases presented by experts in nursing diagnostic techniques in home hospitalization.
- ◆ 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.
- ◆ Latest information on the role of nurses 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.
- ◆ With special emphasis on evidence-based nursing and research methodologies in home hospitalization.
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ◆ The availability of content from any fixed or portable device with an Internet connection.

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

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

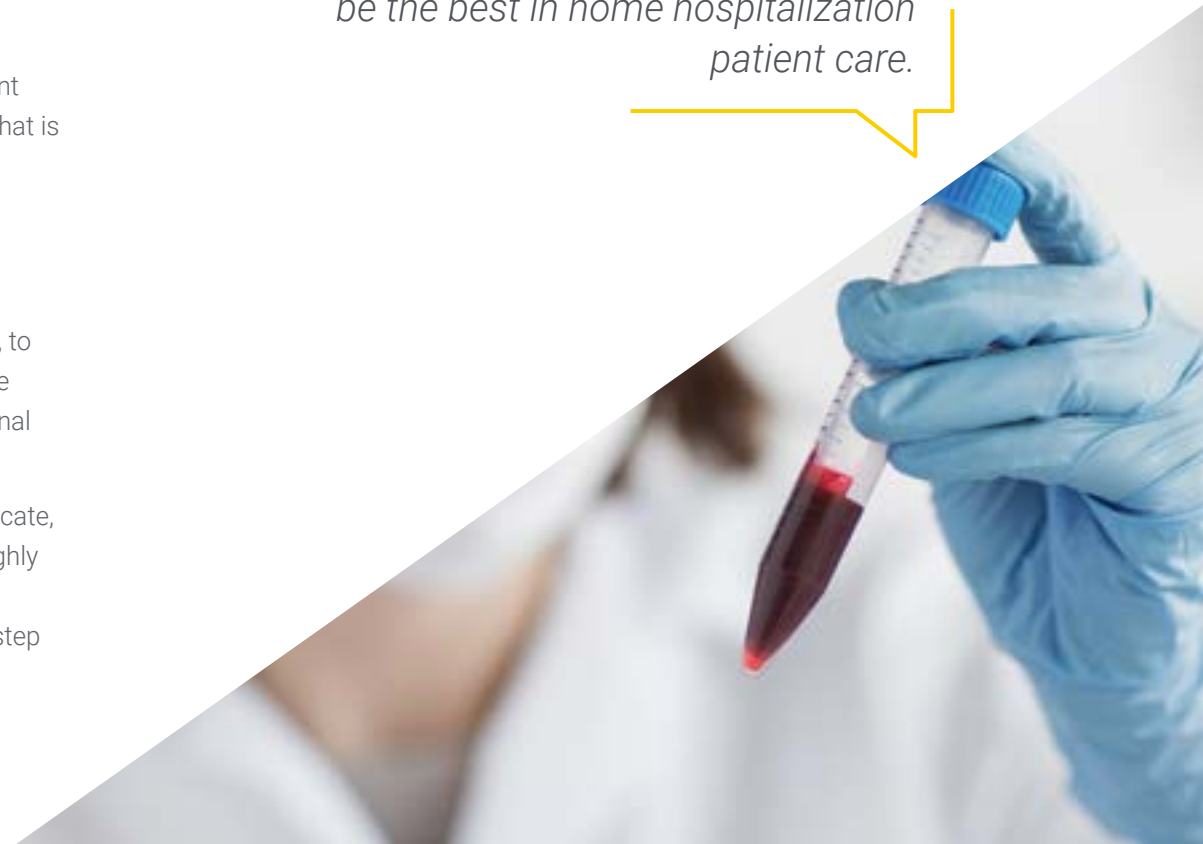
The teaching staff is made up of prestigious and renowned Spanish professionals, with long careers in health care, teaching and research, who have worked in different hospitals throughout the country, garnering professional and teaching experience that is delivered in an extraordinary way in this Postgraduate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

The methodological design of this Postgraduate Certificate has been developed by a multidisciplinary team of e-learning experts, integrating the latest advances in educational technology for the creation of numerous multimedia educational tools that allow the professional, based primarily on the problem-based learning method, to address real problems in their daily clinical practice. This will allow them to advance by acquiring knowledge and developing skills that will impact their future professional work.

It should be noted that each of the contents generated for this Postgraduate Certificate, as well as the videos, self-evaluations, clinical cases and exams, have been thoroughly reviewed, updated, and integrated by the professors and the team of experts that make up the working group. This will facilitate the learning process with a step-by-step approach in order to achieve the program teaching objectives.

*Combine your training 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 program objective is to provide you with the necessary knowledge to be able to use the diagnostic techniques that are performed at the patient's home, without the need to travel to the hospital.







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*Our goal is to propel your skills and your CV toward excellence.*



### General Objective

- Bring nursing professionals' knowledge up to date by using the best scientific evidence in home hospitalization, as an efficient and effective alternative to conventional hospitalization.



*Make the most of the opportunity and take the step to get up-to-date on the latest developments in Nursing Diagnostic Techniques in Home Hospitalization.*



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## Specific Objectives

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- ◆ Know the different diagnostic techniques that can be used in home hospitalization.
- ◆ Learn how to perform ECG at home.
- ◆ Acquire knowledge of home ultrasound.
- ◆ Place and interpret pulse oximetry in home hospitalization.
- ◆ Know the specific characteristics of home blood tests.
- ◆ Learn the procedure for cultures at the patient's home.
- ◆ Know the existing assessment scales and how to apply them.



03

# Course Management

The teaching staff includes prestigious and renowned medical specialists and nurses, 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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*Learn from the best medical and nursing professionals, and complement your training in the field of home hospitalization.*



## 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

### Alcover Pons, Marta

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

### Amoros Cantero, Aurora

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

### 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. 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 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. 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. 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. Attending Physician in the Home Hospitalization and Palliative Care Units in Ribera University Hospital Valencia

**García-Noblejas Julià, Pablo**

- ◆ University Diploma in Nursing University of Valencia Spain
- ◆ Nurse in 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

**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

**Sanchis Aguilar, Paula**

- ◆ University Diploma in Nursing
- ◆ Nurse in the Home Hospitalization and Palliative Care Unit Ribera University Hospital
- ◆ Case manager for complex chronic patients EVES

**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

**Dr. Tarraso Gómez, M<sup>a</sup> 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 Baixa Hospital Villajoyosa
- ◆ Master's Degree in Palliative Care Valladolid
- ◆ Attending Physician of the Home Hospitalization and Palliative Care Unit

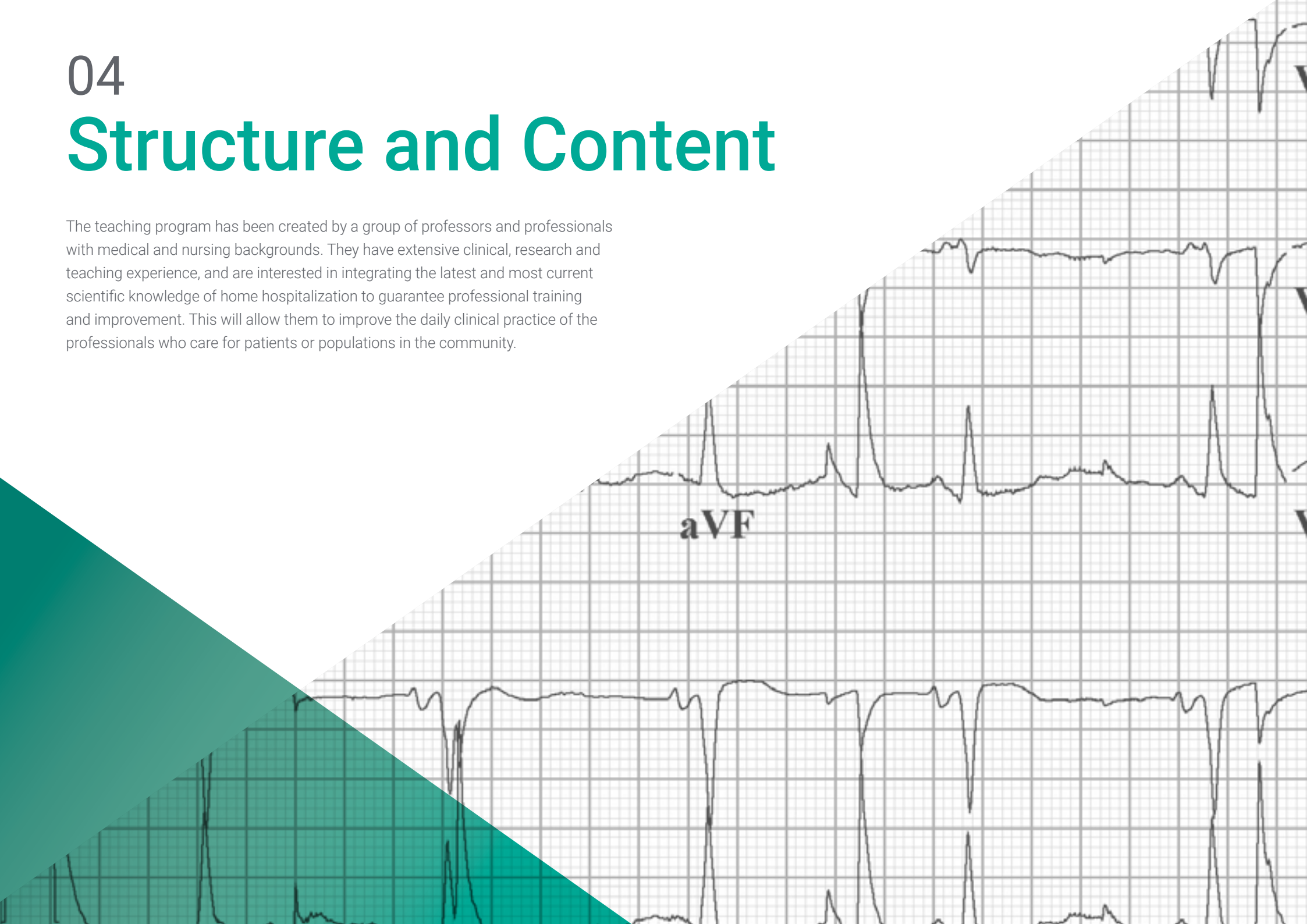
**Vila Herranz, Mireia**

- ◆ 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

04

# Structure and Content

The teaching program has been created by a group of professors and professionals with medical and nursing backgrounds. They have extensive clinical, research and teaching experience, and are interested in integrating the latest and most current scientific knowledge of home hospitalization to guarantee professional training and improvement. This will allow them to improve the daily clinical practice of the professionals who care for patients or populations in the community.





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*Study the most complete and updated 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. Puspoximetry
  - 1.3.1. Procedure
  - 1.3.2. Puspoximetry 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)
  - 1.6.1. Procedure
  - 1.6.2. Classification







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

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

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.





*Discover Re-learning, 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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing practice.



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*Did you know that this method was developed in 1912 for Harvard 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. Nurses 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 nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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.





## 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 case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



*The nurse will learn through real cases and by solving 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 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 we have trained more than 175,000 nurses with unprecedented success, in all specialities regardless of practical workload. All this in a highly demanding environment, where the students have a strong socio-economic 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.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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.

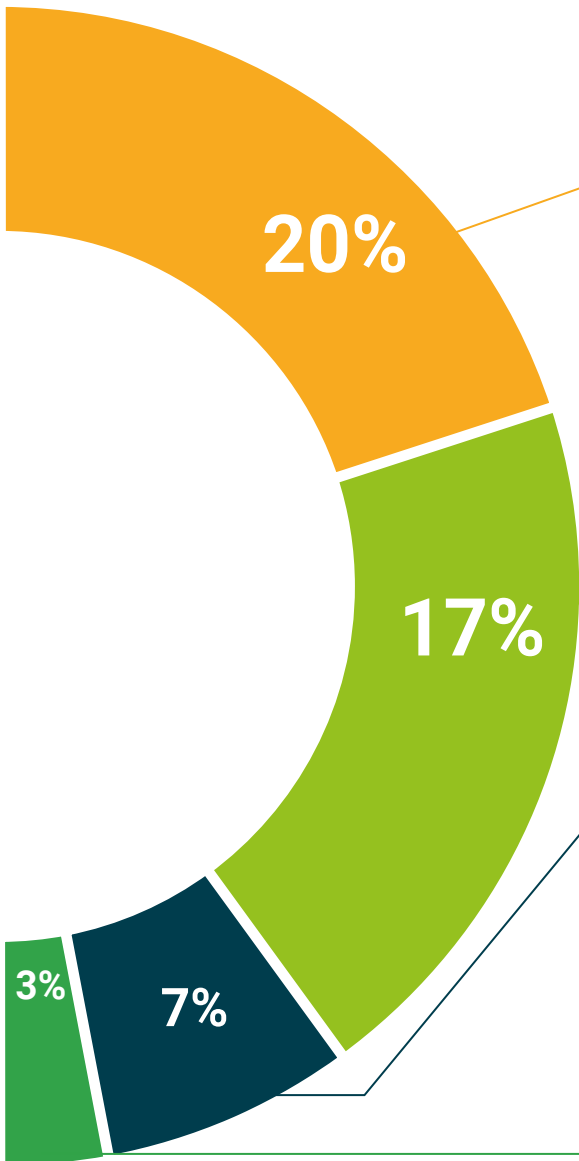
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



### 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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of achieving their goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

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 Nursing Diagnostic Techniques in Home Hospitalization guarantees, in addition to the most rigorous and updated training, access to a qualification issued by TECH Technological University.





*Successfully complete this training program and receive your diploma without travel or laborious paperwork.*

This **Postgraduate Certificate in Nursing Diagnostic Techniques 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 Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate 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 Nursing Diagnostic Techniques in Home Hospitalization**

Official Number of Hours: **100**



\*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 quality

online training

development languages

virtual classroom

**tech** technological  
university

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