

# Professional Master's Degree

## Home Hospitalization

Endorsed by:





## Professional Master's Degree

### Home Hospitalization

Course Modality: Online

Duration: 12 months

Certificate: TECH Technological University

Official N° of hours: 1,500 h.

Website: [www.techtute.com/medicine/professional-master-degree/master-home-hospitalization](http://www.techtute.com/medicine/professional-master-degree/master-home-hospitalization)

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# 01

# Introduction

Medicine in the 21st century faces a major but exciting challenge. Modern society has changed drastically in terms of demographic characteristics with increasing aging. Thanks to technology, in many cases patients are not required to go to the hospital, rather, they can be treated at their residence, where they have a lower risk of infection and enjoy the comfort of their own home. This program is aimed at enabling physicians to update their knowledge in home hospitalization through the latest educational technology.





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*Advances in home hospitalization require new proposals for specialization to keep the practitioner up to date"*

Demographic change requires an extreme rethinking of health care (previously focused on acute processes and cure as the primary objective and having hospitals as the center of attention), towards a medicine aimed at care rather than cure and which has as its center the people and their closest environment, the place where they live, without reducing the quality of care or the use of hospital-intensive resources, but being much more efficient in the use and consumption of both public and private resources.

Home Hospitalization is the driving force of change in modern healthcare with care focused on people and their health and social needs.

Our patients and users have already experienced the change that we have been hearing about, year after year for decades from the various medical societies and healthcare managers. As we have seen, we have an aging society with exacerbated chronic problems and out-patient care needs but treated with the intensity, technology and knowledge that is provided daily in our hospitals. And here, the best trained and prepared to lead this change are the Home Hospitalization Units.

This program aims to delve into the aspects that make home hospitalization unique and different from other medical specialties, it also focuses on showing the weaknesses and opportunities for the future that still lie ahead, taking advantage of new educational technologies.

The syllabus is rigorously presented with the latest scientific evidence and clinical cases which help to increase our knowledge, in order to share experiences and innovative techniques that are already being performed by fellow physicians in the various Home Hospitalization Units around the world.

This **Professional Master's Degree 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 home hospitalization, complex chronic patient management and palliative care
- 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 and nurses in home hospitalization
- It contains 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
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Availability of content from any device, fixed or portable, with an Internet connection



*Take advantage of the moment and update yourself on the latest developments in alternatives to conventional hospitalization. Home hospitalization is the future of medicine"*

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*This Professional Master's Degree is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge in Home Hospitalization you will obtain a qualification endorsed by TECH"*

Its teaching staff is made up of prestigious and renowned professionals, with a long history in health care, teaching and research, who have worked in different hospitals throughout the country, developing professional and teaching experience that they deliver in an extraordinary way in this Professional Master's Degree.

The methodological design of this program, 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 Professional Master's Degree that each of the contents generated, as well as the videos, self-assessments, clinical cases and exams, have been thoroughly reviewed, updated, and integrated by the teachers and the team of experts that make up the working group, to facilitate the learning process with a step-by-step approach in order to achieve the teaching program objectives.

*In terms of quality to price ratio, this is the best program in Home Hospitalization in the educational environment.*

*Don't miss the opportunity and get up to date on the advances in alternative treatment and hospitalization for complex chronic patients in order to incorporate them into your daily medical practice.*



# 02 Objectives

The program's primary objective is to improve healthcare professionals, by helping them acquire the most up-to-date and innovative scientific knowledge in the field of Home Hospitalization, and to help them develop the ability to manage and treat complex chronic patients and diseases with palliative needs. This will allow them to develop the skills that will turn their daily clinical practice into a benchmark of the standards of the best available scientific evidence, with a critical, innovative, multidisciplinary and integrative sense.







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*This program will provide you with a sense of confidence in your medical practice, which will help you grow personally and professionally”*



## General Objective

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- ♦ Update the physician knowledge through the best scientific evidence for the management of diseases and patients in the field of Home Hospitalization, as an effective and efficient alternative to conventional hospitalization



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





## Specific Objectives

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- ♦ 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 theoretical-practical improvement to enable a clinical diagnosis of certainty supported by the efficient use of diagnostic methods to indicate an effective integral therapy
- ♦ Develop skills to implement prophylactic plans for the prevention of these diseases
- ♦ 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
- ♦ Identify the important role of the management figure in cases both in hospital as well as in the community
- ♦ 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
- ♦ Highlight the need to consider vaccination in patients with special needs in order to reduce the burden of disease
- ♦ Highlight the need to consider vaccination in patients with special needs in order to reduce the burden of disease

# 03 Skills

Once all the contents have been studied and the objectives of the Professional Master's Degree in Home Hospitalization have been achieved, the healthcare professional will possess superior expertise, supporting their daily medical practice in the most important scientific advances of the moment. This will be achieved with a multidisciplinary and integrative approach in the management of patients needing treatment or those needing hospital intensity management at home, which will see them become a leading professional in their field.





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*With this program you will be able to master the new concepts in non-conventional hospitalization and efficiently care for complex chronic patients”*



## General Skills

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- ♦ Apply epidemiological and clinical methods in collective or individual care to solve the main health problems related to health at home
- ♦ Perform a critical reading of the scientific literature on these diseases and at the same time have the tools to communicate research results
- ♦ Collect, process and analyze in very diverse clinical and epidemiological contexts, any scientific information for diagnostic and therapeutic decision-making in the field of home hospitalization specifically and health care in general
- ♦ Develop learning to learn as one of the most important skills for any professional nowadays, who is obliged to constantly train and improve his or her professional skills due to the dizzying and accelerated process of scientific knowledge production
- ♦ Increase diagnostic and therapeutic capabilities for dealing with complex chronic diseases and the general health care of patients in their homes, through the in-depth study of the epidemiological, clinical, pathophysiological, diagnostic, and therapeutic elements of these diseases
- ♦ Hone skills to manage, advise, or lead multidisciplinary teams to care for complex patients in communities or individual patients, as well as scientific research teams
- ♦ Develop skills for self-improvement, in addition to being able to provide training and professional improvement activities due to the high level of scientific and professional preparation acquired with this program
- ♦ Educate the population in the field of complex chronic diseases in order to acquire and develop a culture of prevention based on healthy lifestyles





## Specific Skills

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- ♦ Understand the biological, epidemiological and social determiners which make chronic diseases the most prolific diseases in our society and their impact on the rates of morbidity and mortality
- ♦ Identify and analyze the latest scientific information in home-based care, in order to design plans and programs to control it
- ♦ Apply existing control measures to prevent the flare-up of these diseases and the strain on emergency services
- ♦ Evaluate the epidemiological aspects related to chronic diseases that will allow them to implement actions for their control in the community, in real and/or simulated conditions
- ♦ Diagnose, in a timely manner and based on clinical manifestations, the most frequent or newest diseases in order to ensure correct treatment, rehabilitation and monitoring
- ♦ Justify the importance of vaccination as an important public health measure for the control of flare-ups of diseases or the appearance of new diseases relating to those pre-existing ones
- ♦ Identify the occupational, social and environmental risk factors, that favor the development of these diseases in the community
- ♦ Identify the main clinical syndromes that can be monitored and treated at home
- ♦ Apply prevention and control measures to reduce morbidity and mortality in chronic diseases
- ♦ Master the control of symptoms in diseases with palliative care needs
- ♦ Master knowledge of the correct doctor-patient relationship, bringing humanization into the process
- ♦ Educate the community on the prevention of flare-ups and how to control them
- ♦ Identify the fundamental aspects of the pathogenesis and the main clinical features of the diseases studied
- ♦ Halt the progression of antibiotic resistance, based on reasoned treatment and supported by the best scientific evidence
- ♦ Develop skills for the practice of diagnostic-therapeutic techniques at home



*Improve the care of your patients by taking advantage of the specialization offered by the Professional Master's Degree in Home Hospitalization"*

# 04

# Course Management

The teaching staff includes prestigious and renowned medical specialists and university experts, with numerous publications, teaching experience and professional experience in numerous hospitals, where many of the diseases studied have a high morbimortality. 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 and Nursing, among others.



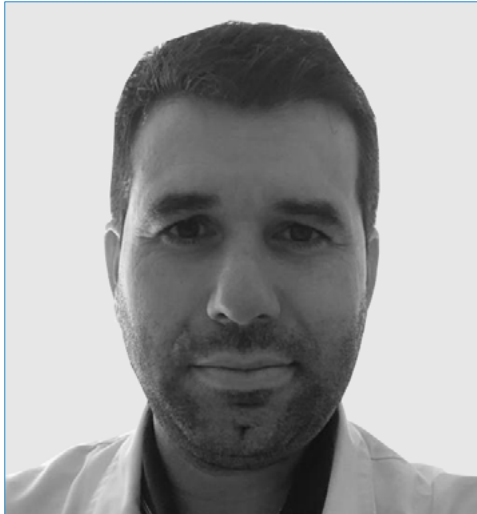




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*Learn the latest advances in Home Hospitalization from leading professionals”*

## 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, Spain
- ♦ Nurse, Preventive Medicine Service, La Ribera University Hospital

### Dr. Bou Monterde, Ricardo

- ♦ Degree in Medicine and Surgery at the European University of Valencia
- ♦ Specialist in Preventive Medicine and Public Health
- ♦ PhD in Medicine and Surgery Department of Public Health, University of Barcelona
- ♦ Head of the Preventive Medicine and Public Health Service, La Ribera University Hospital, Valencia

### Dr. Bustos, Loida Flor

- ♦ Degree in Medicine and Surgery, 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 La Ribera University Hospital, Valencia

### Dr. Ciancotti Oliver, Lucía

- ♦ Degree in Medicine and Surgery, 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 the 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

### Mr. García-Noblejas Julià, Pablo

- ♦ University Diploma in Nursing, University of Valencia, Spain
- ♦ Nurse in the Home Hospitalization and Palliative Care Units, La Ribera University Hospital
- ♦ Master's Degree in Hospital Management, Catholic University of Valencia, Spain

### Dr. Jara Calabuig, Irina

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

### Ms. Marqués Aguilar, Elvira

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

### Dr. Santander López, Jorge

- ♦ Degree in Medicine and Surgery, 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, María Luisa**

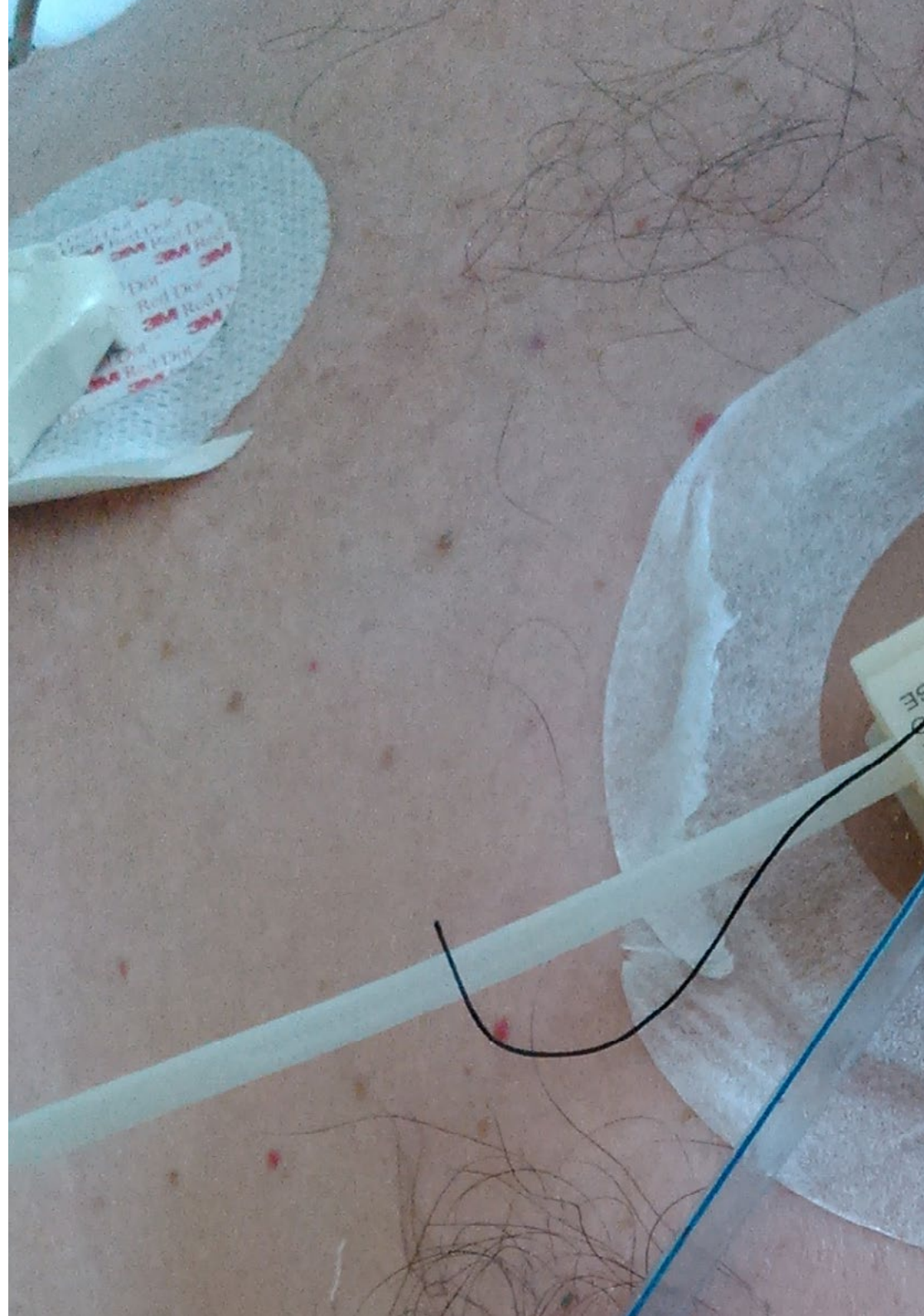
- ♦ Degree in Medicine and Surgery, University of Valencia, Spain
- ♦ Specialist in Family and Community Medicine
- ♦ Master's Degree in Palliative Care Valladolid
- ♦ Attending Physician in the Home Hospitalization and Palliative Care Unit, La Ribera University Hospital
- ♦ Assistant Physician, Pain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

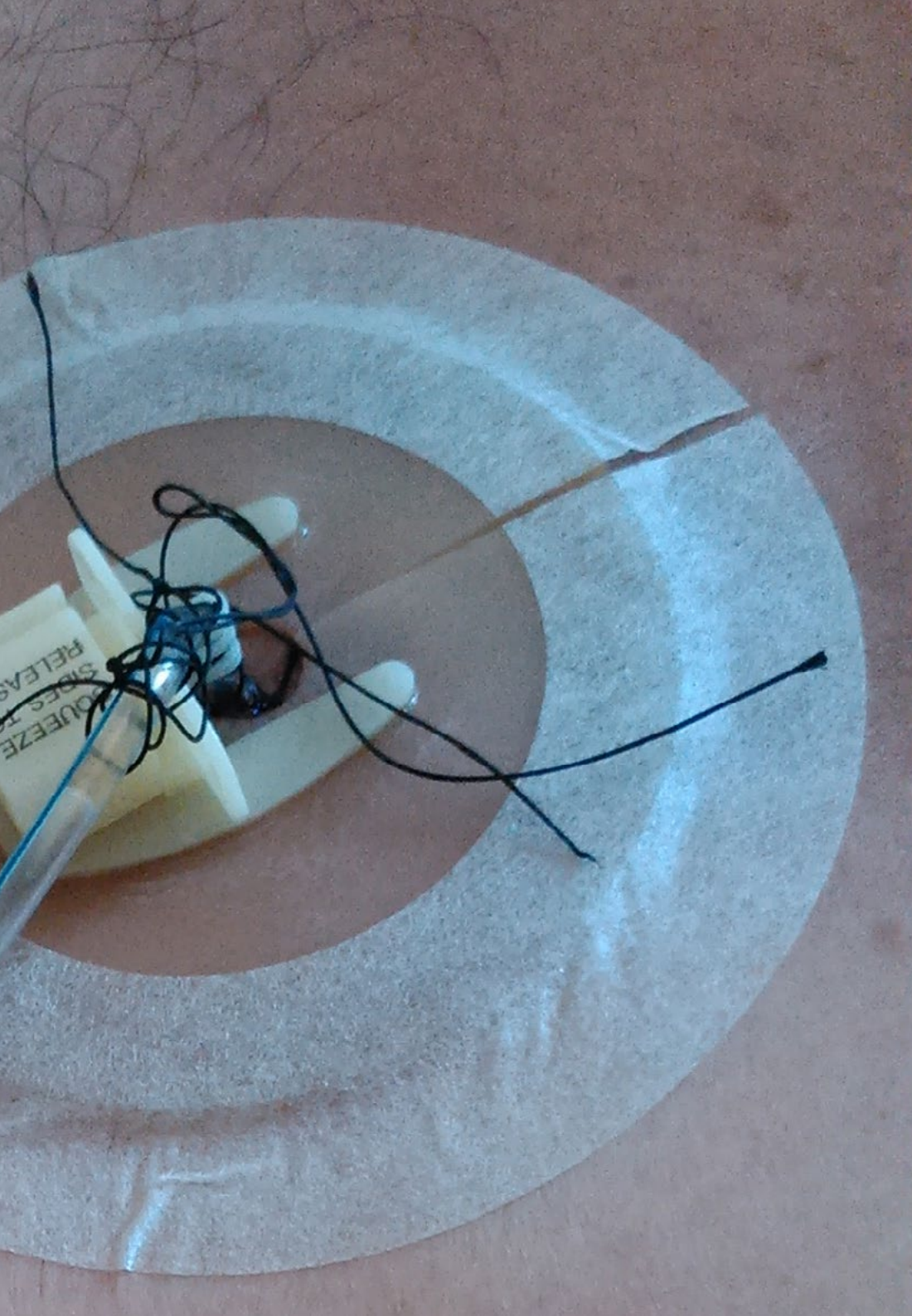
**Dr. Martín Marco, Antonio**

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

**Ms. Alcover Pons, Marta**

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- ♦ Nurse, Preventive Medicine Service, La Ribera University Hospital, Alzira





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- ♦ Master's Degree in Palliative Care, University of 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
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**Ms. Sanchis Aguilar, Paula**

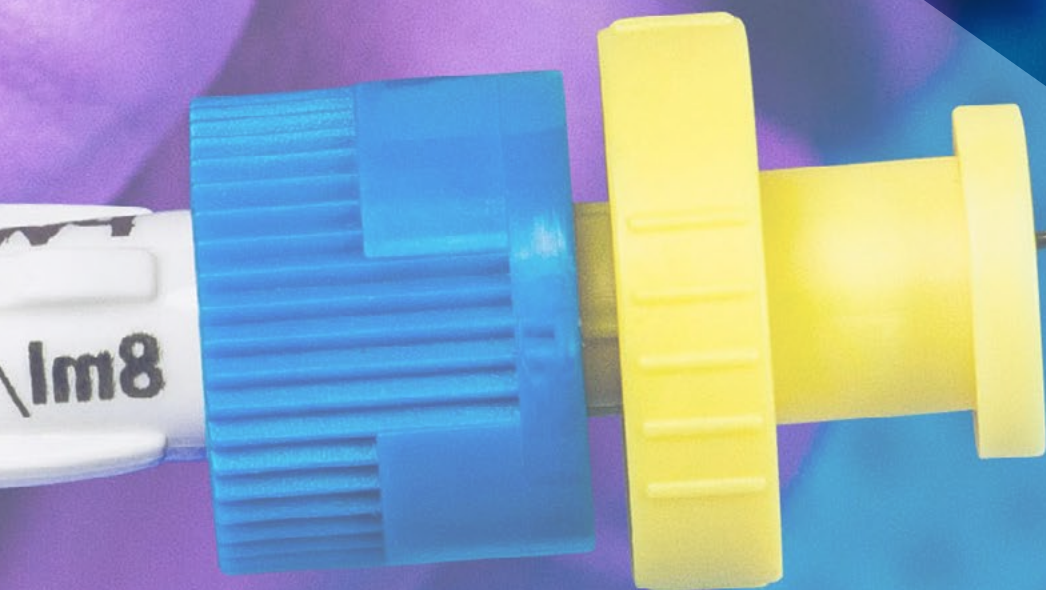
- ♦ University Diploma in Nursing
- ♦ Nurse in the Home Hospitalization and Palliative Care Units, La Ribera University Hospital
- ♦ Case manager for complex chronic patients. EVES

05

# Structure and Content

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





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*This Professional Master's Degree in Home Hospitalization contains the most complete and up-to-date scientific program on the market”*

## Module 1. Organization of Home Hospitalization

- 1.1. Introduction and Justification
  - 1.1.1. Introduction
  - 1.1.2. Justification
- 1.2. History of Home Hospitalization
  - 1.2.1. Historical Recap
  - 1.2.2. Reference Units
  - 1.2.3. The Present and Future of Home Hospitalization
- 1.3. Organizational Models
  - 1.3.1. Hospital-Based Home Care
  - 1.3.2. Care Based on Primary Care
  - 1.3.3. Support Service at Home
- 1.4. Differences Between HH and Home Care from Primary Care and Other Models of Home Care (HDOM)
  - 1.4.1. HH
  - 1.4.2. Home Care Models
- 1.5. Evidence-Based Medicine
  - 1.5.1. Advantages and Disadvantages of the HaD Model in Relation to Conventional Hospitalization
- 1.6. Portfolio of services
  - 1.6.1. Early Discharge Scheme
  - 1.6.2. High-Tech Scheme
  - 1.6.3. Support Function Scheme
- 1.7. General Criteria for Inclusion and Exclusion
  - 1.7.1. Wilfulness
  - 1.7.2. Social criteria
  - 1.7.3. Geographical Criteria
  - 1.7.4. Medical Criteria

- 1.8. Integration with Different Care Levels
  - 1.8.1. Primary Care
  - 1.8.2. Emergencies
  - 1.8.3. Conventional Hospitalization
  - 1.8.4. Social-Health Centers
  - 1.8.5. Residences
- 1.9. Structure and Resources of HH
  - 1.9.1. Structure of HH
  - 1.9.2. Resources in HH

## Module 2. General Aspects. Research and Teaching in HH

- 2.1. Process Management
  - 2.1.1. Pre-Admission Assessment
  - 2.1.2. Admission
  - 2.1.3. Discharge and Transfer to Primary Care
  - 2.1.4. Re-admission
  - 2.1.5. Case Management
- 2.2. Electronic Medical History, Peculiarities of HH (mobility and accessibility)
  - 2.2.1. Telemedicine
- 2.3. Quality Indicators
  - 2.3.1. Management Indicators
  - 2.3.2. Clinical Indicators
- 2.4. Research in HH
  - 2.4.1. Future and Present Lines of Work in the HaD
- 2.5. Undergraduate and Postgraduate Courses Teaching
  - 2.5.1. Undergraduate Teaching
  - 2.5.2. Postgraduate Teaching
- 2.6. Future Perspectives
  - 2.6.1. Future Challenges





- 2.7. Telemedicine
  - 2.7.1. Concept and Considerations
- 2.8. Case Management
  - 2.8.1. Nursing Management of Hospital Cases
  - 2.8.2. Nursing Management of Community Cases
  - 2.8.3. Management of Medicine-Based Cases

### Module 3. Care for Different Specific Types of Patients

- 3.1. Fragile Geriatric Patient
  - 3.1.1. Peculiarities in a Geriatric Patient
  - 3.1.2. Relationship Model with Assisted Care Residences
  - 3.1.3. Treatment of Geriatric Patients
- 3.2. Complex Chronic Patient
  - 3.2.1. Definition
  - 3.2.2. Management Models for Complex Chronic Patients
  - 3.2.3. Terminal Criteria
- 3.3. Palliative Patient
  - 3.3.1. Differences Between an Oncologic or Non-Oncologic Palliative Patient
  - 3.3.2. Terminal Criteria
  - 3.3.3. Management Models for Palliative Patients
- 3.4. Polyfrequency Patients
  - 3.4.1. Case Management
- 3.5. Home-Based Antibiotic Therapy
  - 3.5.1. General aspects
  - 3.5.2. Home Intravenous Antibiotic Therapy
- 3.6. Psychiatric Patient
  - 3.6.1. Peculiarities of Home-Based Mental Health Monitoring
- 3.7. Pediatric Patient
  - 3.7.1. Considerations in a Pediatric Patient

#### Module 4. Management of Subsidiary Syndromes at Home

- 4.1. Heart Failure
  - 4.1.1. Criteria for Admission and Exclusion
  - 4.1.2. Management of Treatment and Symptoms in the Home
  - 4.1.3. Criteria for Discharge
- 4.2. COPD
  - 4.2.1. Criteria for Admission and Exclusion
  - 4.2.2. Management of Treatment and Symptoms in the Home
- 4.3. Caring for a Patient Post-Surgery
  - 4.3.1. Criteria for Admission and Exclusion
  - 4.3.2. Management of the Main Symptom and Complications in Patients Post-Surgery
- 4.4. Neurological Patient
  - 4.4.1. Dementia
  - 4.4.2. Multiple Sclerosis
  - 4.4.3. ALS
- 4.5. DVT and PE
  - 4.5.1. Home-Based Diagnosis
  - 4.5.2. Treatment Adjusted to the Home
  - 4.5.3. Admission Criteria in Conventional Hospitalization
- 4.6. Home-Based Rehabilitation Loss of Functionality Fractures
  - 4.6.1. Scales of Functionality
  - 4.6.2. Possibilities for Home-Based Rehabilitation
- 4.7. Nephrourological Emergencies
  - 4.7.1. Pyelonephritis
  - 4.7.2. Urinary Tract Infections
  - 4.7.3. Prostate Disease
  - 4.7.4. Acute and Chronic Kidney Disease
- 4.8. Patient with Digestive Diseases
  - 4.8.1. Cirrhosis
  - 4.8.2. Hepatic Encephalopathy
  - 4.8.3. Small Intestine

#### Module 5. Management of Infections at Home Criteria for Admission and Exclusion, Management, Discharge Criteria

- 5.1. Pneumonia
  - 5.1.1. Diagnosis
  - 5.1.2. Home-Based Management
  - 5.1.3. Bronchoaspirations Prevention and Management
- 5.2. Infections of the Urinary Tract
  - 5.2.1. Pyelonephritis
  - 5.2.2. Urinary Tract Infections
  - 5.2.3. Prostatitis
- 5.3. Intra-Abdominal Infections
  - 5.3.1. Liver Abscesses
  - 5.3.2. Post-Surgery Abscesses
  - 5.3.3. Cholecystitis and Cholangitis
  - 5.3.4. Diverticulitis
  - 5.3.5. Infectious Pancreatitis
- 5.4. Abscesses
  - 5.4.1. General aspects
  - 5.4.2. Treatment
  - 5.4.3. Types of Cure
- 5.5. Soft Tissue Infections
  - 5.5.1. Concept
  - 5.5.2. Classification
- 5.6. Infection of Surgical Wounds
  - 5.6.1. Concept
  - 5.6.2. Classification
- 5.7. Osteomyelitis
  - 5.7.1. Concept
  - 5.7.2. Classification
- 5.8. Endocarditis
  - 5.8.1. Concept
  - 5.8.2. Classification

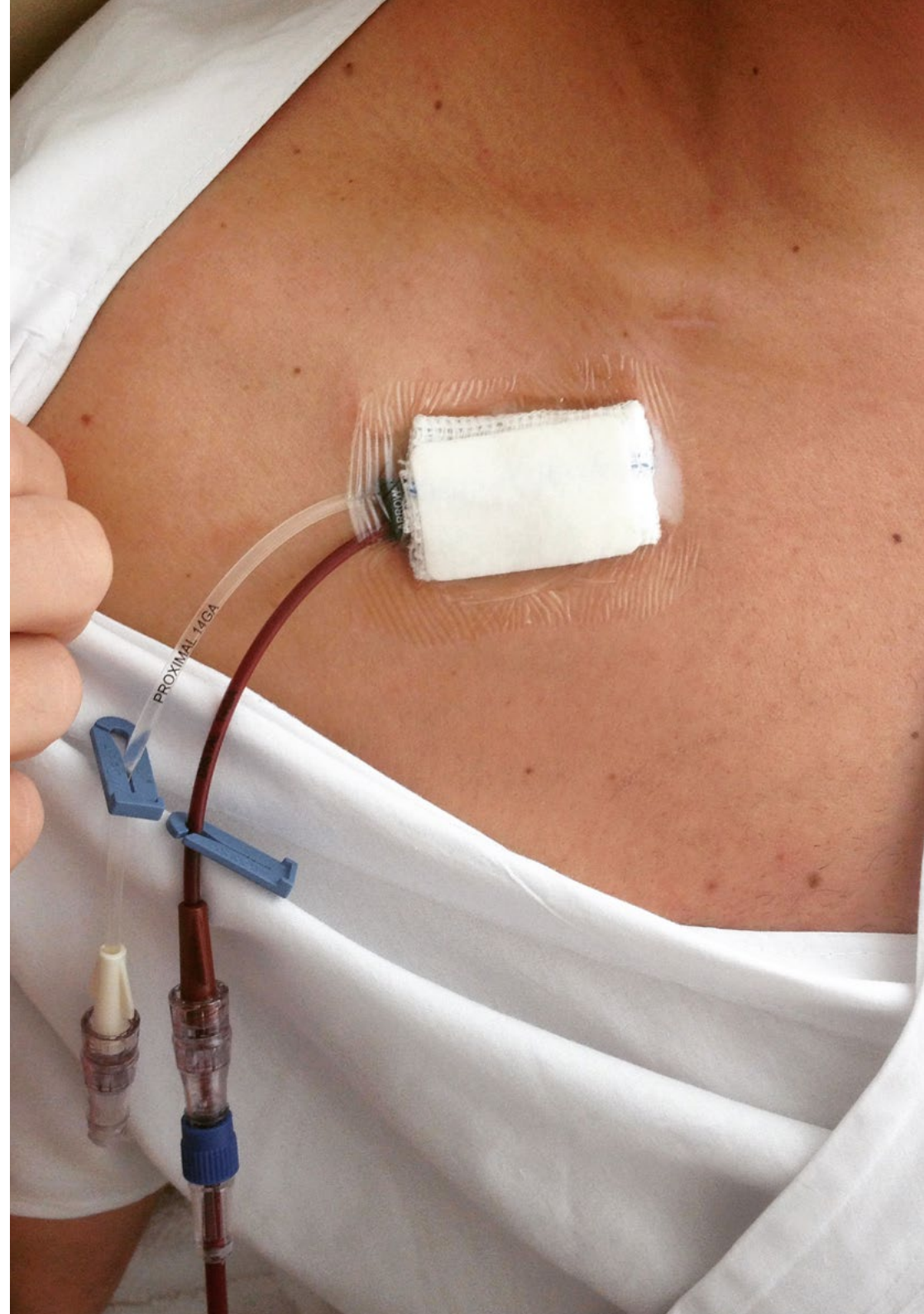
- 5.9. Prosthesis and Intra-Vascular Devices Infections
  - 5.9.1. Concept
  - 5.9.2. Classification
- 5.10. Febrile Neutropenia
  - 5.10.1. Diagnosis
  - 5.10.2. Treatment

## Module 6. Palliative Care in Oncological Patients

- 6.1. Comprehensive Assessment in Palliative Care
  - 6.1.1. Medical History Model in Palliative Care
  - 6.1.2. Anamnesis in Palliative Care
  - 6.1.3. The Importance of Family and Social Circumstances in a Comprehensive Assessment
- 6.2. Assessment Scales in Palliative Care
  - 6.2.1. ECOG
  - 6.2.2. Barthel
  - 6.2.3. Karnofsky
  - 6.2.4. VAS
  - 6.2.5. Edmonton Symptom Assessment Scale
  - 6.2.6. Gijón Scale
  - 6.2.7. Family APGAR
  - 6.2.8. Pfeiffer
  - 6.2.9. Nutritional Assessment
- 6.3. Continuous Care Models in Palliative Oncology Patients
  - 6.3.1. Palliative Patients
    - 6.3.1.1. Models
- 6.4. Pain Management in Palliative Care
  - 6.4.1. Analgesic Ladder
  - 6.4.2. First Step
  - 6.4.3. Second Step
  - 6.4.4. Third Step
  - 6.4.5. Coadjuvants
- 6.5. Control of Dyspnea
  - 6.5.1. Diagnosis
  - 6.5.2. Etiology
  - 6.5.3. Home-Based Management
- 6.6. Delirium Control
  - 6.6.1. Diagnosis
  - 6.6.2. Etiology
  - 6.6.3. Home-Based Management
- 6.7. Nausea and Vomiting Control
  - 6.7.1. Diagnosis
  - 6.7.2. Etiology
  - 6.7.3. Home-Based Management
- 6.8. Alterations in Intestinal Rhythm Diarrhea and Constipation
  - 6.8.1. Diagnosis
  - 6.8.2. Etiology
  - 6.8.3. Home-Based Management
- 6.9. Anorexia-Cachexia
  - 6.9.1. Diagnosis
  - 6.9.2. Etiology
  - 6.9.3. Home-Based Management
- 6.10. Anxiety-Insomnia
  - 6.10.1. Diagnosis
  - 6.10.2. Etiology
  - 6.10.3. Home-Based Management
- 6.11. Situation in a Patient's Last Days and Palliative Sedation
  - 6.11.1. Terminal Criteria
  - 6.11.2. Palliative Sedation vs. Passive Euthanasia vs. Active Euthanasia
  - 6.11.3. Home-Based Management
- 6.12. Grief and Family Care
  - 6.12.1. Grief
  - 6.12.2. Family Circle
- 6.13. Anticipated Wishes
  - 6.13.1. Definition
  - 6.13.2. Most Important Asepcts to Take Into Account

## Module 7. Pain Management in Home Hospitalization

- 7.1. Pain Management
  - 7.1.1. General aspects
  - 7.1.2. Considerations in the Home
- 7.2. Scales and Assessment of Patient in Pain
  - 7.2.1. Classification
  - 7.2.2. Patient Assessment
- 7.3. First-Line Analgesic Treatment
  - 7.3.1. Treatment
  - 7.3.2. Procedures in the Home
- 7.4. 2nd Line Analgesic Treatment
  - 7.4.1. Treatment
  - 7.4.2. Procedures in the Home
- 7.5. Third Step Treatment Opioids
  - 7.5.1. Treatment
  - 7.5.2. Procedures in the Home
- 7.6. Coadjuvants
  - 7.6.1. Classification
  - 7.6.2. Procedures
- 7.7. Interventional Pain Management
  - 7.7.1. Interconsultation
  - 7.7.2. Procedures in the Home



## Module 8. Nutrition in Home Hospitalization

- 8.1. Nutritional Assessment Scales
  - 8.1.1. MUST
  - 8.1.2. MNA
  - 8.1.3. Laboratory Parameters
  - 8.1.4. Clinical Parameters
- 8.2. Dysphagia
  - 8.2.1. Diagnosis
  - 8.2.2. Etiology
  - 8.2.3. Home-Based Management
- 8.3. Oncology Patients
  - 8.3.1. Nutritional Needs in Oncology Patients
  - 8.3.2. Peculiarities
- 8.4. Geriatric Patient
  - 8.4.1. Nutritional Needs in Geriatric Patients
  - 8.4.2. Peculiarities
- 8.5. Patient with Infectious Diseases
  - 8.5.1. Nutritional Needs in Infectious Patients
  - 8.5.2. Peculiarities
- 8.6. Enteral Nutrition at Home
  - 8.6.1. Types of Nutrition
  - 8.6.2. Normocaloric- Normoprotein
  - 8.6.3. Hyperproteic-Hypercaloric
  - 8.6.4. Hyperproteic-Normocaloric
  - 8.6.5. Special Supplementation
- 8.7. Parenteral Home Nutrition
  - 8.7.1. Types of Nutrition
  - 8.7.2. Probes

## Module 9. Special Treatments

- 9.1. Serotherapy and EV Medication
  - 9.1.1. Peripheral Routes
  - 9.1.2. Central Routes
  - 9.1.3. Drug Combinations
- 9.2. Administration of Blood Products
  - 9.2.1. Red blood Cell Concentrates
  - 9.2.2. Platelet Pool
  - 9.2.3. Plasma
  - 9.2.4. Protocols for Transfusion of Blood Derivatives at Home
- 9.3. Subcutaneous Medication
  - 9.3.1. Elastomeric Infusers
  - 9.3.2. Treatment with the Possibility of Subcutaneous Administration
  - 9.3.3. Drug Combinations
- 9.4. Chemotherapy at Home
  - 9.4.1. Classification
  - 9.4.2. Considerations
- 9.5. Intravenous Treatment on Home Perfusion Pump
  - 9.5.1. Classification
  - 9.5.2. Considerations
- 9.6. Bladder and Digestive Probes
  - 9.6.1. Home Replacement Protocols
  - 9.6.2. Technical Videos
- 9.7. PEG Replacement
  - 9.7.1. Home Replacement Protocols
  - 9.7.2. Technical Videos
- 9.8. Tracheostomy Replacement
  - 9.8.1. Home Replacement Protocols
  - 9.8.2. Technical Videos
- 9.9. Obtaining and Transporting Samples: analytical, cultures, etc.

## Module 10. Pediatric Patient in Home Hospitalization

- 10.1. Introduction
  - 10.1.1. Pediatric Patient Particularities
- 10.2. Specific Pediatric Assessment at Home
  - 10.2.1. Considerations
- 10.3. Pediatric Oncology
- 10.4. Infections in Pediatrics
  - 10.4.1. Classification
  - 10.4.2. Procedures
- 10.5. Congenital Diseases
  - 10.5.1. Classification
  - 10.5.2. Considerations
- 10.6. Legality in Pediatric Patient Care
  - 10.6.2. Considerations

## Module 11. Preventative Medicine in Home Hospitalization

- 11.1. Preventative Medicine
  - 11.1.1. Concepts and Overviews
- 11.2. Hygiene
  - 11.2.1. Considerations
  - 11.2.2. Procedures in the Home
- 11.3. Colonization in Infection by Multiresistant Germs Home Measurements
  - 11.3.1. Colonization
  - 11.3.2. Multiresistant Germs
  - 11.3.3. Home Measurements
- 11.4. Adequacy of Antibiotic Treatment at Home
  - 11.4.1. Types of Treatment
  - 11.4.2. Therapeutic Suitability
- 11.5. Vaccination in Special Patients
  - 11.5.1. Vaccines
  - 11.5.2. Special Patients

## Module 12. Therapeutic Techniques

- 12.1. Paracentesis
  - 12.1.1. Procedure
  - 12.1.2. Home Paracentesis
- 12.2. Thoracentesis
  - 12.2.1. Procedure
  - 12.2.2. Home Thoracentesis
- 12.3. Arthrocentesis
  - 12.3.1. Procedure
  - 12.3.2. Home Arthrocentesis
- 12.4. Oxygen Therapy
  - 12.4.1. Procedure
  - 12.4.2. Home Oxygen Therapy
- 12.5. Aerosol Therapy
  - 12.5.1. Procedure
  - 12.5.2. Home Aerosol Therapy
- 12.6. Mechanical Ventilation
  - 12.6.1. Procedure
  - 12.6.2. Home Mechanical Ventilation



## Module 13. Diagnostic Techniques

- 13.1. ECG
  - 13.1.1. Procedure
  - 13.1.2. ECG at Home
- 13.2. Ultrasound
  - 13.2.1. Procedure
  - 13.2.2. Ultrasound at Home
- 13.3. Pulse Oximetry
  - 13.3.1. Procedure
  - 13.3.2. Pusioximetry at Home
- 13.4. Analysis
  - 13.4.1. Procedure
  - 13.4.2. Blood Analysis at Home
- 13.5. Cultures
  - 13.5.1. Procedure
  - 13.5.2. Blood Analysis at Home
- 13.6. Scales (Functional, Cognitive, Nutritional Assessment, etc.)
  - 13.6.1. Procedure
  - 13.6.2. Classification



*A unique, key, and decisive Professional Master's Degree experience to boost your professional development"*

06

# 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.







“

*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.



# 07 Certificate

The Professional Master's Degree in Home Hospitalization guarantees students, in addition to the most rigorous and up-to-date education, access to a Professional Master's Degree issued by TECH Technological University.







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

This **Professional Master's Degree in Home Hospitalization** contains the most complete and up-to-date scientific program on the market.

After the students has passed the assessments, they will receive their corresponding **Professional Master's Degree** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Professional Master's Degree in Home Hospitalization**

Official N° of hours: **1,500 h.**

Endorsed by:



\*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

online training

development

languages

virtual classroom

**tech** technological  
university

**Professional Master's  
Degree**

Home Hospitalization

Course Modality: Online

Duration: 12 months

Certificate: TECH Technological University

Official N° of hours: 1,500 h.

# Professional Master's Degree

## Home Hospitalization

Endorsed by:

