

# Postgraduate Certificate

Nursing in Infectious and Oncologic  
Emergencies in Primary Care



## Postgraduate Certificate

### Nursing in Infectious and Oncologic Emergencies in Primary Care

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

Website: [www.techtitute.com/us/nursing/postgraduate-certificate/nursing-infectious-oncologic-emergencies-primary-care](http://www.techtitute.com/us/nursing/postgraduate-certificate/nursing-infectious-oncologic-emergencies-primary-care)

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# 01

# Introduction

This Postgraduate Certificate includes the main urgent infectious pathologies and those related to the oncological process, which may occur in patients that nursing professionals face in a Primary Care center. It also includes updated care procedures to identify, treat and correctly refer patients in an emergency situation and reduce possible future sequelae.





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*This Postgraduate Certificate addresses the main aspects of infectious and oncological emergencies in Primary Care, so that you will be able to face those situations that can compromise a patient's life. Learn how to identify, initially treat and transfer infectious patients with oncological problems from primary health care to the hospital”*

This Postgraduate Certificate in Nursing in Infectious and Oncological Emergencies in Primary Care includes comprehensive plans of systematized care for emergencies in patients suffering from infection or an oncological process, who come to the Primary Care center for situations related to their pathology, and which must be faced by nursing professionals in their usual clinical practice. In order to help them make decisions with agility and precision to improve prognosis and reduce possible sequelae from infectious pathologies, whatever their cause.

The program also includes procedures for the care of patients with H.I.V. infection, urinary tract infections or infections of unknown origin. Furthermore, it establishes updated procedures for the basic management of patients with oncological emergencies: febrile syndrome in oncological patients, with special attention to febrile neutropenia, acute complications of chemotherapy treatment, asthenia-anorexia-cachexia syndrome or pain management and terminal sedation, using the latest educational technology adapted to the needs of practicing nurses.

The program contents are based on the latest scientific evidence and the experience of renowned professionals in the field of Primary Care, which makes them practical and easy to transfer to routine clinical work.

The **Postgraduate Certificate in Nursing in Infectious and Oncologic Emergencies in Primary Care** contains the most complete and up-to-date scientific program on the market. The most important features of the Postgraduate Certificate are:

- ◆ Clinical cases presented by experts in the different specialties. 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 practice.
- ◆ Latest diagnostic and therapeutic developments in nursing care for patients with UTI, idiopathic fever or AIDS. It also includes updated procedures for the basic management of patients with oncological emergencies and febrile syndrome in oncological patients.
- ◆ It presents nursing procedures and techniques such as at-risk patient management in cases of potential exposure to contaminated material, EVE code, or approaching pain in oncology patients and terminal sedation.
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ◆ All of this will be complemented by 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 through the Postgraduate Certificate in Nursing in Infectious and Oncologic Emergencies in Primary Care in a practical way adapted to your needs"*

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*This Postgraduate Certificate may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge of infectious and oncologic emergencies in primary care, you will obtain a qualification from TECH Technological University”*

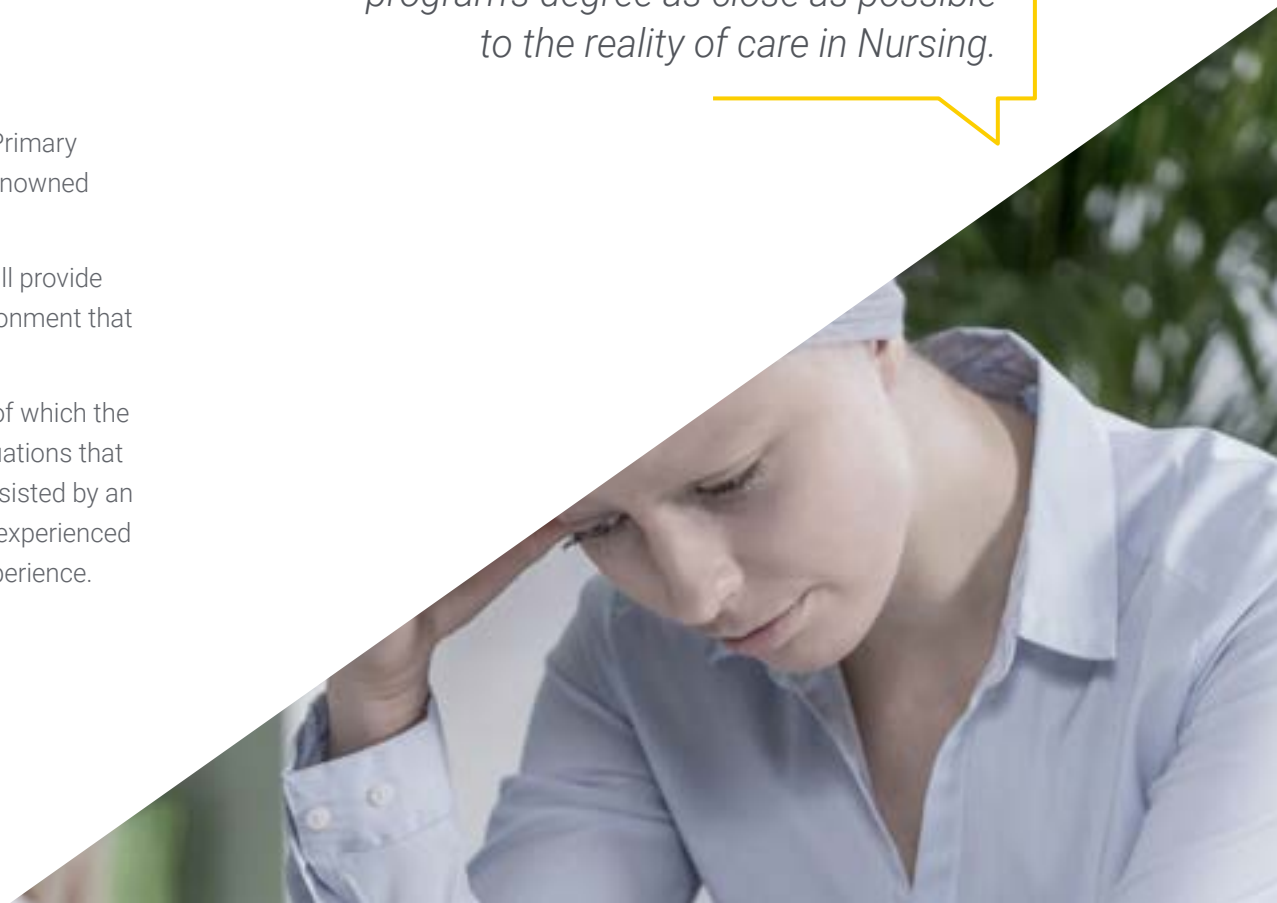
Forming part of the teaching staff is a group of professionals in the field of Primary Care, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

The multimedia content developed with the latest educational technology will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training program to train in real situations.

The design of the program is based on Problem-Based Learning, by means of which the nursing professional must try to solve the different professional practice situations that arise throughout the Postgraduate Certificate. For this reason, you will be assisted by an innovative, interactive video system created by renowned of health and and experienced experts in the field of Primary Care Emergencies with extensive teaching experience.

*This Postgraduate Certificate provides training in simulated environments, which includes immersive learning designed to train professionals for real situations.*

*It includes clinical cases to bring the program's degree as close as possible to the reality of care in Nursing.*



02

# Objectives

The program's primary objective is focused on theoretical and practical learning, so that nursing professionals can practically and rigorously master the approach to patients in emergency situations in primary health care.





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*This refresher program will generate a sense of confidence when practising nursing, which will help you grow both personally and professionally”*



## General Objective

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- Update the procedures for dealing with infectious and oncological emergencies faced by nursing professionals in their daily clinical practice, helping them to make decisions with agility and precision.

*Make the most of the opportunity and take the step to get up to date on the latest developments in infectious and oncologic emergencies in Primary Care.*





## Specific Objectives

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- ♦ Establish the risk of exposure to potentially contaminated material.
- ♦ Describe the components of the EVE Code.
- ♦ Define fever type depending on its origin.
- ♦ Describe the most frequent urinary tract infections in Primary Care.
- ♦ Establish the typical clinical features of fever in a patient with HIV infection.
- ♦ Identify precipitating agents in urinary tract infections.
- ♦ Determine the behavior to be followed for patients with psychomotor agitation.
- ♦ Address patient management after activating the EVD code.
- ♦ Define the diagnosis for exanthema.
- ♦ Describe signs and symptoms in oncological patients.
- ♦ Manage febrile neutropenia in an oncology patient.
- ♦ Define terminal sedation.
- ♦ Explain the different types of pain in oncological patients.
- ♦ Classify pain treatment according to the WHO analgesic ladder.
- ♦ Identify appropriate techniques for reducing complications in chemotherapy treatment.

03

# Course Management

The program includes health professionals of recognized prestige in its teaching staff, who belong to the field of infectious patient care or oncological processes in the field of Primary Care, and who pour into this training the experience of their work. Also involved in designing and preparing the program are renowned specialists who are members of prestigious national and international scientific communities.





*Learn from leading professionals the latest advances in nursing procedures for infectious and oncological emergencies in Primary Healthcare”*

## International Guest Director

As **National Director of Clinical Innovation** at US Acute Care Solutions, Jesse M. Pines, M.D., is one of the most recognized figures in the **Emergency Medicine and Healthcare Services** field. In fact, his accomplishments include the creation and execution of the first governmental alternative payment model (ED EQUIP, in Maryland) to reduce the total cost of care. In addition, he leads the development and implementation of Telemedicine programs covering a wide variety of specialties, including the ER, Psychiatry and Intensive Care Units, among others.

His extensive experience in **medical leadership**, large database study design and Big Data research has led him to publish over 350 peer-reviewed articles and writing seven books in these areas. His work has been recognized internationally in various reputable media outlets, including TIME Magazine, the Wall Street Journal and Slate Magazine.

His more than two decades of experience have earned him several leadership positions at George Washington University. Among them, he was the **Director** of the Center for Health Innovation and Research, also leading the Research Fellowship program and the Center for Healthcare Quality.

Therefore, throughout his career, Dr. Jesse M. Pines has received multiple awards, both for the articles he has published and for his own work and contribution to the **field of Emergency Medicine**. He is also the **President of the working group on New Models of Professional Practice of the American College of Emergency Physicians (ACEP)**, holding various positions in the ACEP itself as well as in the Society for Academic Emergency Medicine and the American Academy of Emergency Medicine.



## Dr. Pines, Jesse M.

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- National Director of Clinical Innovation at US Acute Care Solutions, United States
- Emergency Physician at Allegheny Health Network
- Professor of Emergency Medicine at The George Washington University, USA
- Professor of Emergency Medicine at Drexel University
- Director of the Medical Research Fellowship Program at The George Washington University
- Director of the George Washington University Center for Health Research and Innovation
- M.D., Georgetown University
- Master of Business Administration from Georgetown University
- Master's Degree in Clinical Epidemiology from the University of Pennsylvania



*Thanks to TECH you will be able to learn with the world's best professionals"*

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## Dr. Maliszewski, Barbara

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- Senior Director of Nursing at Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center
- Deputy Director of Nursing at Johns Hopkins Bayview Medical Center, Department of Emergency Medicine and Critical Care Transport
- Nurse Practitioner at Johns Hopkins Bayview Medical Center, Department of Surgery
- Journal of Clinical Nursing Reviewer
- Master of Science in Nursing, Towson University
- Bachelor of Science in Nursing from the University of Maryland
- Emergency Nurses Association

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## Management



### Dr. Roig D' Cunha-Kamath Vicente Fco

- ◆ Member of the Primary Care team at C. S. Lliria from June to October 2001.
- ◆ Member of the Primary Care team at C. S. de Burjassot during the month of June 2001.
- ◆ Member of the Primary Care team at C. S. de Massanasa during the month of July 2001.
- ◆ Attending physician in the Emergency Department at Requena General Hospital during the months of July and August 2001.
- ◆ Attending physician in the Emergency Department at the Valencia University Clinical Hospital from November 2001 to November 2003 on a continuous care contract with periods of full contract, and from November 2003 to the present date on a full time contract.
- ◆ Doctor at Unión de Mutuas from December 2001 to June 2002.
- ◆ Physician at the Parqueluz II Residence in Catarroja from its creation in 2002 until November 2003.
- ◆ Physician at the Ascires group, where he is currently in charge of general, family and community medical practice in the Valencia area.

## Professors

### Mrs. Ana Forés

- ◆ Nurse in the Intensive Care Unit of the Dr. Peset University Hospital of Valencia.

### Mr. José Vicente Brasó Aznar

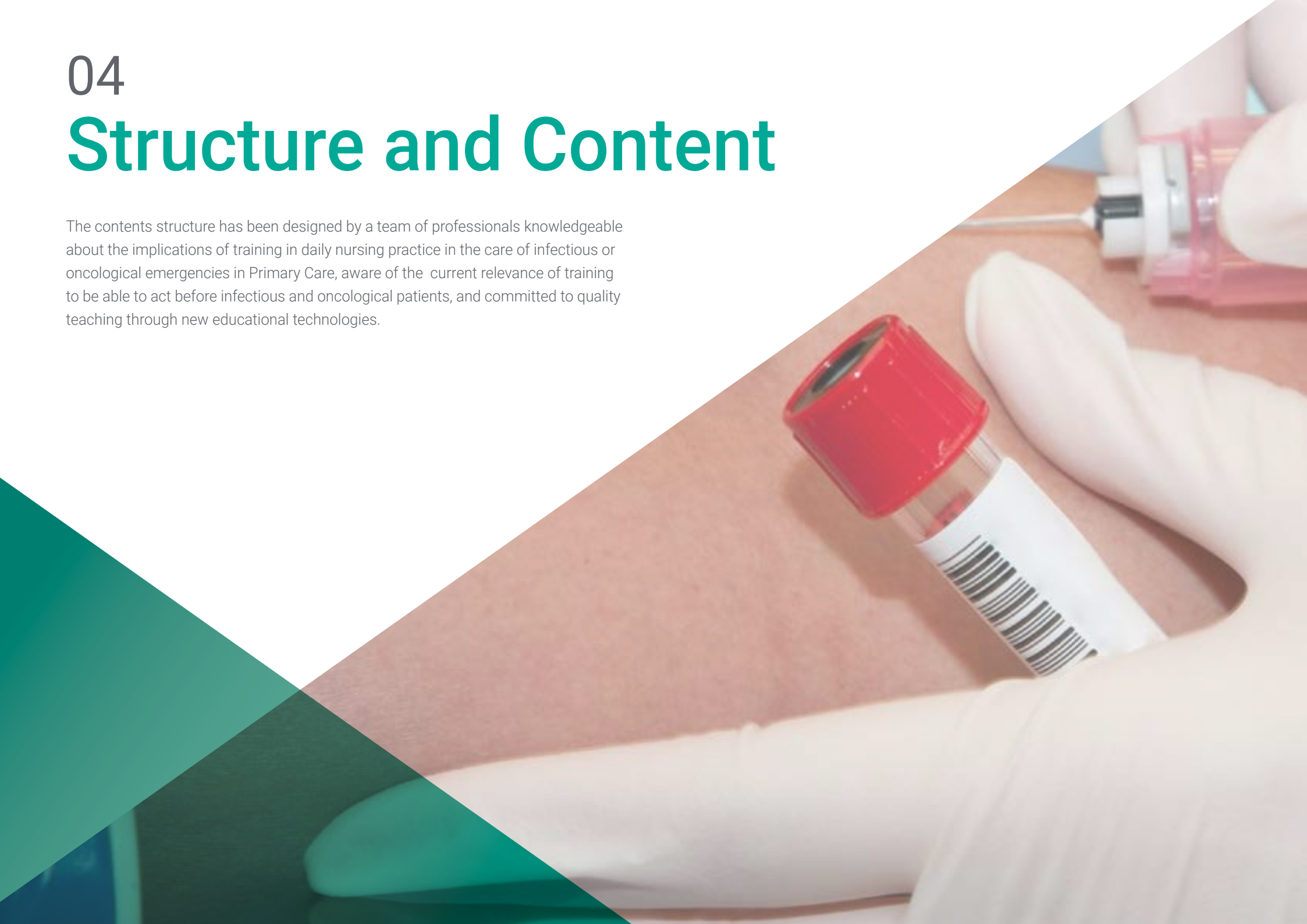
- ◆ Hospital Emergency Physician
- ◆ Associate Professor of Emergency Medicine at the Faculty of Medicine of the University of Valencia.
- ◆ Department Head. Emergency Medicine. Ribera University Hospital



# 04

## Structure and Content

The contents structure has been designed by a team of professionals knowledgeable about the implications of training in daily nursing practice in the care of infectious or oncological emergencies in Primary Care, aware of the current relevance of training to be able to act before infectious and oncological patients, and committed to quality teaching through new educational technologies.



“

*The Postgraduate Certificate in Nursing in Infectious and Oncologic Emergencies in Primary Care contains the most complete and up-to-date scientific program on the market”*

## Module 1 Nursing in Infectious and Oncologic Emergencies in Primary Care

- 1.1. Infectious Emergencies
  - 1.1.1. Risk Exposure and Exposure to Potentially Contaminating Material  
EVE CODE
  - 1.1.2. Fever in H.I.V. Infected Patients
  - 1.1.3. Fever of Unknown Origin
  - 1.1.4. Urinary Tract Infections
  - 1.1.5. Fever and Rash
- 1.2. Oncologic Emergencies
  - 1.2.1. Basic Management of Patients with Oncologic Emergencies
  - 1.2.2. Febrile Syndrome in Oncological Patients (Special Attention to Febrile Neutropenia)
  - 1.2.3. Pain and Terminal Sedation
    - 1.2.3.1. Types of Pain
    - 1.2.3.2. Pain Treatment
    - 1.2.3.3. Terminal Sedation
  - 1.2.4. Acute Complications of Chemotherapy Treatment
    - 1.2.4.1. Mucositis
    - 1.2.4.2. Acneiform Rash
    - 1.2.4.3. Nausea and Vomiting
    - 1.2.4.4. Diarrhea
    - 1.2.4.5. Cachexia-Anorexia-Asthenia Syndrome



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



05

# Methodology

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

This teaching system is used 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 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 clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant 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 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. 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 university program.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 specialties regardless of from the 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 (we learn, unlearn, forget, and re-learn). Hence, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current nursing procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



### Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





**Expert-Led Case Studies and Case Analysis**

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Re-testing**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

The **Postgraduate Certificate in Nursing in Infectious and Oncologic Emergencies in Primary Care** guarantees, in addition to the most accurate and up-to-date training, access to a qualification issued by **TECH Technological University**.





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

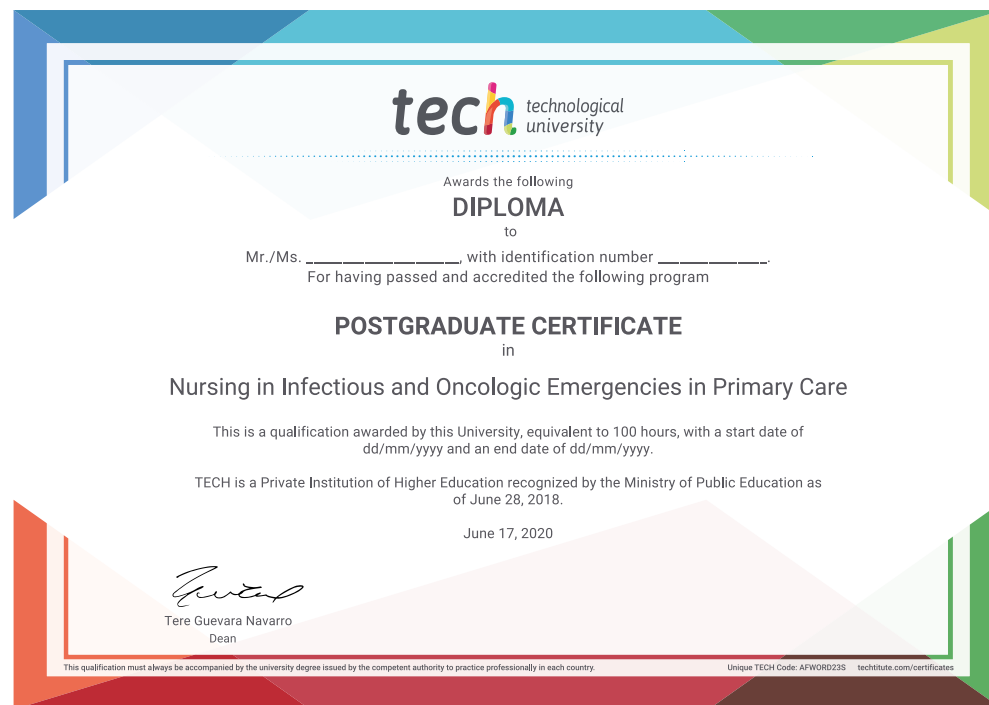
The **Postgraduate Certificate in Nursing in Infectious and Oncologic Emergencies in Primary Care** contains the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding certificate issued by **TECH Technological University via tracked delivery**.

The diploma issued by **TECH Technological University** will express the qualification obtained in the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Nursing in Infectious and Oncologic Emergencies in Primary Care**

Official Number of Hours: **100 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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