

# Postgraduate Certificate

## Clinical Safety in the Critically Ill Patient for Nursing





## Postgraduate Certificate Clinical Safety in the Critically Ill Patient for Nursing

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

Website: [www.techtute.com/in/nursing/postgraduate-certificate/clinical-safety-critically-ill-patient-nursing](http://www.techtute.com/in/nursing/postgraduate-certificate/clinical-safety-critically-ill-patient-nursing)

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# 01

# Introduction

In recent years, new technologies have transformed ICU spaces, but also the perspective of health care more focused on humanization at critical moments of the patient. Achieve these goals, the improvement of spaces, organizational structures and quality protocols have been decisive. In this scenario, the nursing professional becomes a relevant profile with his or her care performance. For this reason, TECH provides this 100% online degree that will lead the graduate to obtain a complete update of their competencies and skills in relation to Clinical Safety in complex situations. All this, through high quality multimedia content, accessible 24 hours a day, 7 days a week.





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*A 100% online Postgraduate Certificate that will give you a complete update on Clinical Safety in the Critically Ill Patient for Nursing"*

Improvements in the equipment and devices used in Intensive Care Units have a direct impact on the praxis of healthcare professionals and the survival of admitted patients. However, in recent years there has also been a new healthcare perspective focused on humanization and the search for excellence through quality indicators.

In this scenario, the nurse is in a position of relevance as a fundamental actor in the patient's recovery process through the application of the most advanced care techniques. of the most advanced care techniques and their communication skills. In this line this 6 weeks Postgraduate Certificate in Clinical Safety in the Critically Ill Patient for Nurses.

It is an intensive program that will lead the graduate to deepen over 150 hours of teaching in the evolution of nursing in this space, in the care of critically ill patients, in teamwork tools such as CRM or TeamSTEPPS approach. In addition, thanks to innovative didactic material, you will delve into the psychological and emotional aspects of the patient and the exploration of complementary therapies such as music therapy.

In addition, thanks to the Relearning method, based on the reiteration of key concepts, the graduate will reduce the long hours of study and memorization, as well as consolidate the most important terms of this program in a simple way.

Undoubtedly, a unique opportunity to update through a university degree that allows with its methodology to reconcile daily professional and personal activities with a high-level academic proposal.

This **Postgraduate Certificate in Clinical Safety in the Critically Ill Patient for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Intensive Care Nursing and Intensive Care Physicians
- ♦ The graphic, schematic and practical contents with which it is conceived scientific and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*An academic option that will update you in the management of the acute and chronic critically ill patient"*

“

*Inquire into the TeamSTEPPS approach to improve collaboration and team efficiency”*

The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

Its 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 an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.

*Thanks to the Relearning method will achieve reduce study hours and consolidate key concepts in addressed in this program.*

*Delve into the protocols based on scientific evidence to prevent infections from your laptop with internet connection.*





# 02 Objectives

This Postgraduate Certificate has been developed to offer the nursing professional a complete update in only 6 weeks. Thus, at the end of this program the graduate will be up to date on the different structures and organizational models of the ICU, will have enhanced teamwork skills and organizational models of the ICU, will have enhanced teamwork skills, will be aware of the ethical principles and the implementation of protocols based on the latest scientific evidence in order to ensure patient safety.







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*It delves into the processes of management, monitoring and compliance with quality criteria in Intensive Care through the most updated information”*



## General Objectives

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- ♦ Synthesizing data to inform the assessment of the critically ill patient
- ♦ Collecting data to inform the assessment of the critically ill patient
- ♦ Use data to inform the assessment of the critically ill patient
- ♦ Plan care collaboratively and in a patient-centered manner
- ♦ Incorporate the latest evidence-based practice in critical care nursing
- ♦ Act effectively in pressurized and demanding situations
- ♦ Contextualize each action to the situation at hand







## Specific Objectives

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- ◆ Manage and follow up on activities, objectives, processes and compliance with indicators
- ◆ Identify and respond to serious or adverse incidents in clinical practice
- ◆ Delve into data collection for quality indicators, such as patient safety, maintenance of technical equipment and others
- ◆ Delve in the transfer of the critical patient out of the Intensive Care Unit regardless of the devices carried and the reason for transfer
- ◆ Involve the family and/or caregivers in the patient's evaluation process and interventions



*You have specialized readings at your disposal with which you will be able to go deeper into the most innovative equipment and technology used in ICU"*

03

# Course Management

In order to offer a Postgraduate Certificate of teaching, TECH carries out a thorough selection process for each and every one of the teachers who make up its programs. Thus, the nurse who attends this program will have access to a syllabus prepared by professionals with extensive experience in ICU and deep knowledge of the healthcare environment. In addition, given the proximity of the teaching staff, students will have the opportunity to resolve any doubts they may have about the content of this academic proposal.





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*Get updated with the most current agenda in Clinical Safety in the Critically Ill Patient, created by the best healthcare professionals”*

## Management



### Ms. Fernández Lebrusán, Laura

- Nurse in the Medical ICU at the Puerta De Hierro Hospital
- ICU Nurse at the Hospital Universitario del Sureste
- Surgical ICU Nurse at Hospital General Universitario Gregorio Marañón
- ICU Nurse at the Hospital Quirón Salud
- Associate Teacher at the University Francisco of Vitoria
- Graduate in Nursing at the Francisco de Vitoria University
- Professional Master's Degree in Critical Care and Intrahospital Emergency Care
- HEMS Specialist (*Helicopter Emergency Medical Services*), University of Alicante
- Advanced Clinical Simulation Instructor by Francisco de Vitoria University

## Professors

### Ms. Sánchez Hernández, Mónica

- ◆ Nurse in the Post-Surgical Critical Care Unit (UCPQ) at the "Puerta de Hierro" Majadahonda University Hospital.
- ◆ Responsible for Patient Safety and referral nurse in Chronic Wound Care.
- ◆ Nurse in Primary Care substitutes in several Area V Centers. Nurse collaborator at the Center for Vascular Ulcer Cures (CCUV).
- ◆ Clinical teaching collaborator at the UAM
- ◆ Postgraduate Certificate in Nursing from the Escuela Universitaria de Enfermería Puerta de Hierro, a center attached to the Universidad Autónoma de Madrid.
- ◆ Member of the Commission of Dermal Ulcers, Commission of Pressure Ulcers and Chronic Wounds.

### Mr. Martín De Castro, Javier

- ◆ Coronary Intensive Care Unit Nurse at the Hospital Universitario de la Hospital Universitario 12 de Octubre
- ◆ Nurse in the Post-Surgical Intensive Care Unit at the Puerta de Hierro Hospital
- ◆ Nurse in the Intensive Care Unit at the Ruber Juan Bravo Hospital.  
Graduate in Nursing
- ◆ Professional Master's Degree in Critical Illness and Emergencies at Universitat de Barcelona.
- ◆ Postgraduate Diploma in Nursing Processes and Interventions for Pediatric Patients in Life-Threatening Situations
- ◆ Expert in Simulation Instructor: Improving teamwork through TeamSTEPPS®.

### Ms. Ramos Ávila, Pilar

- ◆ Supervisor of the Intensive Care Unit, Transplant Unit and Cardiological Care Unit Hospital Puerto de Hierro
- ◆ La Luz Clinic Nurse
- ◆ Nurse at Gregorio Marañón General University Hospital
- ◆ Member of the Mortality and Policy Committee.
- ◆ Postgraduate Certificate in Nursing from the Pontificia University of Salamanca

### Ms. Juncos Gonzalo, Mónica

- ◆ Head of the Surgical ICU Nursing Unit at the Hospital General Universitario Gregorio Marañón, Madrid.
- ◆ ICU Nurse at the Hospital General Universitario Gregorio Marañón, Madrid, Spain
- ◆ ICU Nurse at the Southeast Hospital
- ◆ Critical Care Nurse Pool at the Hospital General Universitario Gregorio Marañón
- ◆ Researcher in the project "Assessment of analgesia, sedation, restraints and delirium in patients admitted to adult Intensive Care Units in Spain".
- ◆ Researcher in the project "Adaptation and validation of frailty scales in critically ill patients admitted to Critical Care Units in Spain".
- ◆ Degree in Nursing from the Complutense University of Madrid.
- ◆ Professional Master's Degree in Human Resources Management from the European University of Madrid.
- ◆ Postgraduate Diploma in Nursing Management and Leadership by the Catholic University of Avila.
- ◆ Postgraduate Diploma in Processes and Interventions by the Catholic University of Avila.
- ◆ Member of the Spanish Society of Intensive Care Nursing and Coronary Units (SEEIUC), Spanish Wound Society (SEHER), Spanish Society of Anesthesia, and Resuscitation and Pain Therapy Nursing (A-SEEDAR).

# 04

## Structure and Content

The syllabus of this Postgraduate Certificate consists of high quality content that focuses from the beginning on providing the graduate with the most current information on the clinical safety of the Critically Ill Patient. Thus, it will delve into the space, equipment, as well as the important role and competencies of ICU healthcare personnel. All this, from a theoretical-practical perspective and very useful for their daily performance in first level hospital centers.







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*You will have access to a complete study plan that is characterized by its advanced content and high-quality academic resources”*

**Module 1.** Approach to the critical patient. Vision from the point of view of patient safety and quality

- 1.1. La Intensive Care Unit
  - 1.1.1. Roles and competencies of ICU personnel
  - 1.1.2. Characteristics according to the level of complexity of the hospital
  - 1.1.3. Cost-effectiveness
- 1.2. Initial check-list
  - 1.2.1. Equipment and technology
  - 1.2.2. Physical design and space distribution
  - 1.2.3. Green ICU
- 1.3. The critical patient
  - 1.3.1. Profile of admitted patients
  - 1.3.2. Criteria for admission of the critically ill patient
  - 1.3.3. Acute and chronic critical patient
- 1.4. Humanization and anthropological vision
  - 1.4.1. HUCI Project
  - 1.4.2. Comprehensive care
  - 1.4.3. Music Therapy
- 1.5. The patient and the family: the backbone of nursing care
  - 1.5.1. Psychological Support
  - 1.5.2. The patient and the family: the backbone of nursing care
  - 1.5.3. Participation of Patients on Decision-Making
- 1.6. Teamwork
  - 1.6.1. NO Technical Abilities
  - 1.6.2. Customer Relationship Management (CRM)
  - 1.6.3. TeamSTEPPS





- 1.7. Quality and indicators in the intensive care service
  - 1.7.1. Internal and External Audit
  - 1.7.2. Quality indicators in ICU
  - 1.7.3. Recognition of excellence
- 1.8. Ethical principles in the ICU
  - 1.8.1. Conflict resolution in the ICU
  - 1.8.2. Ethical consultation and ethical committees
  - 1.8.3. Ethics as a pillar in making difficult decisions
- 1.9. Implementation of evidence-based protocols
  - 1.9.1. Bacteremia Zero
  - 1.9.2. Zero Pneumonia
  - 1.9.3. Zero Resistance
  - 1.9.4. ITU Zero
- 1.10. Patient Security
  - 1.10.1. Risk Management
  - 1.10.2. Safe Practices
  - 1.10.3. Safety Committee

“*If you have a laptop with an internet connection internet connection, you will be able to access to the latest information on safe practices in ICU patient care”*



# 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 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, 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 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 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 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 we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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 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 them as many times as you want.



### 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 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 Clinical Safety in the Critically Ill Patient for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"*

This **Postgraduate Certificate in Clinical Safety in the Critically Ill Patient for Nursing** 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 Clinical Safety in the Critically Ill Patient for Nursing**  
Official N° of hours: **150 h.**



\*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.



**tech** technological  
university

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