

# Postgraduate Certificate

## Advanced Nursing Care of the Burned Patient



## Postgraduate Certificate Advanced Nursing Care of the Burned Patient

- » 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/advanced-nursing-care-burned-patient](http://www.techtute.com/in/nursing/postgraduate-certificate/advanced-nursing-care-burned-patient)

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# 01

# Introduction

Large burn units are very limited worldwide. However, due to the high complexity in the management of this type of patient, more and more nursing professionals are working conscientiously to implement in their practice the specific clinical and technical guidelines required by the individual for optimal physiological and metabolic development in the Intensive Care Unit. For this reason, TECH has decided to focus this degree on developments in this field. In this way, the graduate will be able to delve into the advances for their care and early assessment, as well as for the management of the cures and the correct pharmacological application through 150 hours of the best theoretical, practical and additional content 100% online.



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*Get up to date on the latest discoveries in skin anatomy and delve deeper into the in the different types of burns with this Postgraduate Certificate”*

The physiological and metabolic behavior of major burn patients requires specialized clinical care. This is a complex condition to manage from a nursing point of view, due to the very serious consequences it can have. The vast majority of hospitals around the world do not have specific areas to manage this type of patient, so the nurses in the Intensive Care Unit assume this responsibility. Therefore, keeping up to date in early care and assessment techniques becomes a necessity, which is combined with the urgency that this type of condition requires before it can lead to possible complications that deteriorate the health of the affected person.

Based on this and as a sign of TECH's great commitment to the clinical environment, it has developed an exclusive program focused on this topic. This is the Postgraduate Certificate in Advanced Nursing Care of the Burned Patient, a modern qualification that gathers, in 150 hours, the latest and most complete information about the role and complete information on the role of these professionals in the ICU. Thus, the graduate will be able to get up to date in assessment guidelines of the different types of burns (by injury agent, by extension and by depth), of the techniques of initial approach and stabilization and of the appropriate treatments according to the severity and the affected area. In addition, you will have the opportunity to be updated in postural change techniques, as well as in the most effective methods of the moment for the accomplishment of cures.

All this over 6 weeks, during which you will have full access to a state-of-the-art virtual platform where all the content will be hosted from the beginning of the course. On the other hand, you will have the support of a teaching team versed in Intensive Care Nursing. Thus, you will be able to obtain from this program a critical vision and current reference to improve your practice and offer a service of the highest level according to the latest developments in your profession.

This **Postgraduate Certificate in Advanced Nursing Care of the Burned Patient** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of practical case studies presented by experts in Intensive Care Nursing
- ◆ 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
- ◆ 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



*You will work on updating your knowledge related to the assessment of the different types of burns and the appropriate treatments for each of them”*

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*An ideal program to bring you up to date in the approach and initial stabilization of the burn patient in a 100% online manner”*

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious 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.

*You will have 150 hours of the best theoretical, practical and additional content to update your practice from wherever you want and with a fully customized schedule.*

*Would you like to get up to date on the best therapies for pain control in burn patients? in this Postgraduate Certificate you will find the keys to achieve precisely that.*



# 02 Objectives

TECH and its team of experts have developed this Postgraduate Certificate with the aim of making available to nurses the latest and most comprehensive information related to Advanced Nursing Care of the Burned Patient. It is another example of the commitment of this center with the advancement of science, providing specialists with all the resources they need to improve their skills and, therefore, offer an improved service of patient care and management.







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*Are you interested in the detailed management of water and electrolyte disorders in the burned patient? With this Postgraduate Certificate you will achieve mastery of the most innovative clinical guidelines developed so far”*



## General Objectives

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- ◆ Synthesize data to inform the assessment of the patient
- ◆ Collect data to inform patient assessment
- ◆ Use data to inform patient assessment
- ◆ 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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- ◆ Provide nursing care in The Burned Patient
- ◆ Identify and Skin to value Condition
- ◆ Provide the necessary care according to the location and type of burn

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*A program designed according to the highest the highest academic quality standards, so that you will be able to exceed your goals in less than 6 weeks”*

03

# Course Management

Both the direction and the faculty of this program is composed of a select team of nursing professionals, a group of professionals of the highest level with a lot of experience in the management of burned patients in the Intensive Burn Unit. During the 6 weeks in which the degree is developed, the graduate will be able to count on their support to update their practice, through a multitude of material developed by themselves and extracted from their own experience.





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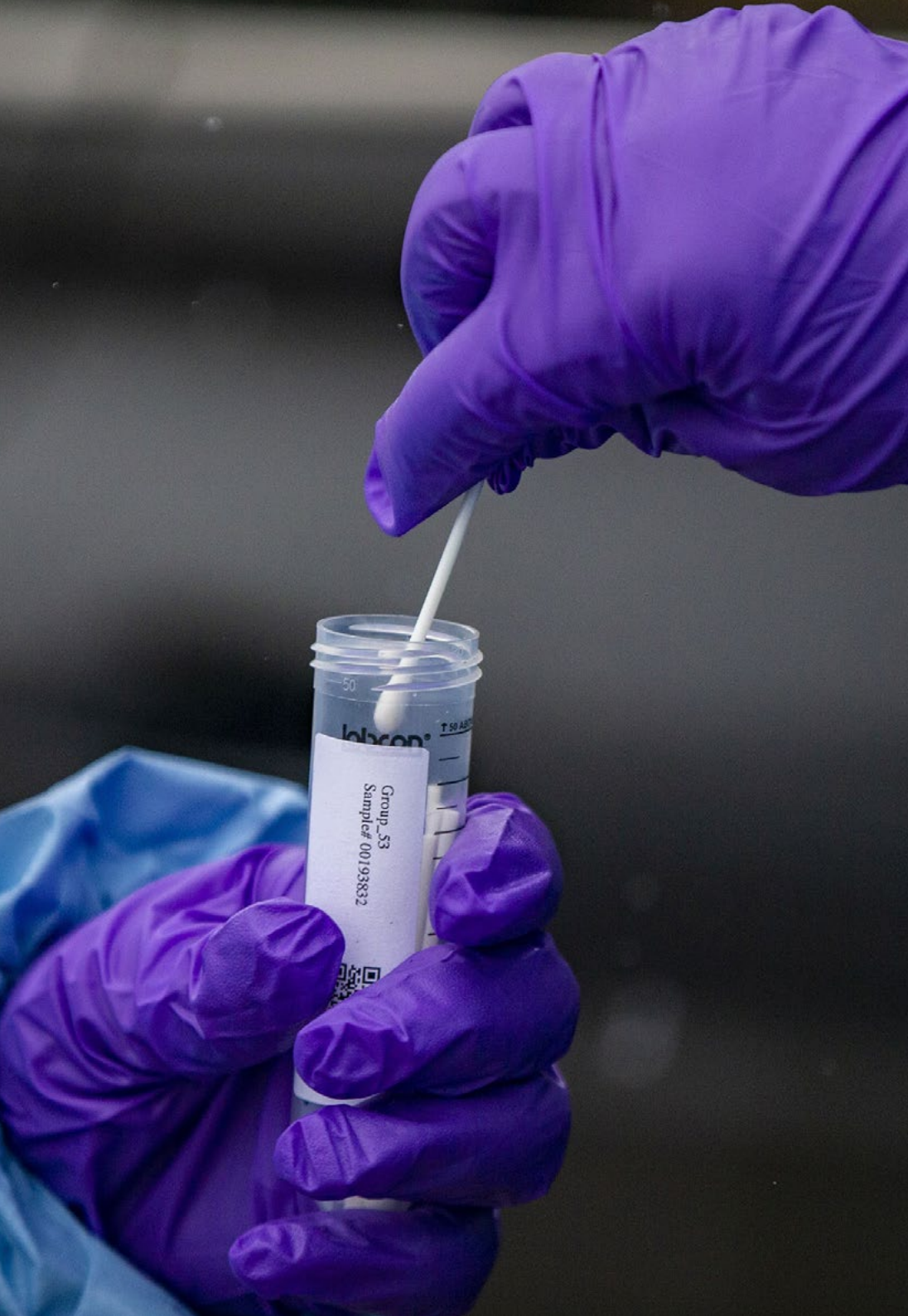
*The faculty of this Postgraduate Certificate will bring to the academic experience a critical and current view of burn patient care, so that your update is more complete”*

## 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. Gil Hernández, Cristina

- ◆ Nurse at the Ramón y Cajal University Hospital
- ◆ Nurse in Primary Care Management
- ◆ Nurse at San Francisco de Asis University Hospital
- ◆ Nurse at the Móstoles University Hospital
- ◆ Researcher in the BPSO Working Group at Hospital Sureste
- ◆ Graduate in Nursing from the Complutense University of Madrid
- ◆ Expert in Out-of-hospital Emergencies and Emergencies, Universidad Complutense de Madrid Expert in School Health, Universidad Católica de Ávila

### Ms. Barrero Almazán, María

- ◆ Nurse in the Trauma and Emergency ICU of Hospital 12 de Octubre
- ◆ Nurse at Hospital Universitario La Paz
- ◆ Nurse in Hospital General Universitario Gregorio Marañón
- ◆ Nurse at Hospital Universitario La Princesa
- ◆ Expert in Emergency Medicine by the European University of Madrid
- ◆ Postgraduate Certificate in Nursing from the Universidad Autónoma de Madrid

# 04

## Structure and Content

TECH has managed to become one of the best online universities in the world thanks to its wide range of degrees, as well as the high quality level of each program. These are the result of months of hard work by the teaching team, which works conscientiously to analyze the current context, and then synthesize it into 150 hours of diverse content (theoretical, practical and additional). Thus, it is possible to offer complete academic experiences such as this Postgraduate Certificate.





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*You will be able to access the virtual platform from any device with internet connection, either pc, tablet or mobile, so you can take the program whenever you want”*

**Module 1. Special Situations. Burn patient Advanced assessment and care**

- 1.1. Care of the burn patient
  - 1.1.1. Skin Anatomy
  - 1.1.2. Local and systemic pathophysiology of burns
  - 1.1.3. Definition of burns and severe burns
- 1.2. Assessment and types of burns
  - 1.2.1. Depending on the agent of injury
  - 1.2.2. Depending on the extension
  - 1.2.3. Depending on the depth
- 1.3. Approach and initial stabilization of the burned patient
  - 1.3.1. Optimization of ventilation and hydric resuscitation
  - 1.3.2. Pain Control
  - 1.3.3. Early treatment of burns
- 1.4. Systemic treatment of the burn
  - 1.4.1. Thermodilution-guided resuscitation
  - 1.4.2. Administration of albumin and ascorbic acid
  - 1.4.3. Nutritional Support
- 1.5. Frequent complications in the burn patient
  - 1.5.1. Hydroelectrolytic Alterations
  - 1.5.2. Shock, ARDS and MOF
  - 1.5.3. Infectious processes
- 1.6. Local treatment of burns: debridement
  - 1.6.1. Tangential debridement
  - 1.6.2. Enzymatic Debridement
  - 1.6.3. Scarotomy
- 1.7. Local treatment of burns: coverage
  - 1.7.1. Synthetic and biosynthetic coverage
  - 1.7.2. Graft coverage
  - 1.7.3. Pain Control





- 1.8. Bioactive dressings
  - 1.8.1. Hydrogels
  - 1.8.2. Hydrocolloid
  - 1.8.3. Alginate
- 1.9. Inhalation syndrome
  - 1.9.1. Pathophysiology of carbon monoxide inhalation
  - 1.9.2. Diagnosis of Carbon Monoxide poisoning
  - 1.9.3. Treatment
- 1.10. Special burns
  - 1.10.1. Burns caused by electrical agents
  - 1.10.2. Burns caused by chemical agents
  - 1.10.3. Infrequent burns

“ *Mastering the latest techniques for managing complications in the burn patient will allow you to actively participate in a faster recovery*”

# 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 Advanced Nursing Care of the Burned Patient 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 Advanced Nursing Care of the Burned Patient** 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 Advanced Nursing Care of the Burned Patient**

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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom

**tech** technological  
university

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