

Postgraduate Diploma

Accidents, Emergencies and
Disasters, Integral Care in
Polytrauma and Major Burns





Postgraduate Diploma Emergencies, Emergencies and Disasters Comprehensive Care in Polytrauma and Major Burns

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-accidents-emergencies-disasters-comprehensive-integral-care-polytrauma-major-burns

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01

Introduction

Accidents, and the consequences they have on people's health, are the order of the day. Consequently, hospital and out-of-hospital emergency rooms collapse daily with patients suffering from injuries, trauma and burns of varying degrees. Therefore, it is crucial that the Nursing professional is able to provide correct primary care to this type of patients, referring them and administering the correct treatment when necessary. Aware of this, TECH professionals have designed this comprehensive program that aims to instruct professionals in the diagnostic and treatment methods in cases of polytrauma and major burns.



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Knowing the correct treatment to administer to patients with polytrauma or severe burns is a skill that significantly enriches the professional's curriculum and positions them as a nurse of prestige"

Currently, one of the most complex healthcare environments to work in are the Accident and Emergency care departments of hospitals and all types of health centers. This is because the professionals who work there encounter critical situations of all kinds on a daily basis which put their response capacities and knowledge on trial. In the field of Nursing, the same situation arises; therefore, TECH professionals have designed this complete program which aims to educate Nursing professionals, so they are able to work in these environments with a much higher degree of success in their interventions, especially in cases of patients with major burns and polytrauma.

In this sense, trauma is one of the main causes of mortality among young people, therefore, knowledge about the advanced approach to this pathology is crucial for nurses performing primary care in the emergency department. This Postgraduate Diploma will address the guidelines for a correct assessment and identification of trauma patients, as well as the most advanced treatments and associated therapies that help in healing.

In this regard, this program will address those activities that Nursing professionals should be aware of and that are necessary when treating patients with polytrauma. Some of these include advanced suturing techniques or splinting; where pain management must be addressed holistically throughout the patient's care.

On the other hand, to provide a comprehensive care, the assistance must be understood as a whole, in which the ethical-legal aspects, the reasons for emergency saturation that will cause the patient to stay longer than necessary in the emergency department, as well as the most important aspects of patient safety, the main axis of all assistance, must be complied with.

All this in a 100% online program that allows the professional to study where and when they want, only requiring a device with Internet connection. This way, you will not have to neglect your professional and personal obligations to continue learning to become a top-notch nurse.

This **Postgraduate Diploma in Accidents, Emergencies and Disasters, Integral Care in Polytrauma and Major Burns** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The graphic, schematic and practical contents of the course are designed to provide all the essential information required for professional practice
- ♦ Exercises where the self-assessment process can be carried out to improve learning
- ♦ An algorithm-based interactive learning system, designed for decision-making for patients with nutritional problems
- ♦ 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



Improve your knowledge in comprehensive care in polytrauma and major burns through this program, where you will find the best didactic material with real cases"

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This Postgraduate Diploma is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in polytrauma and major burns, you will obtain a qualification by TECH"

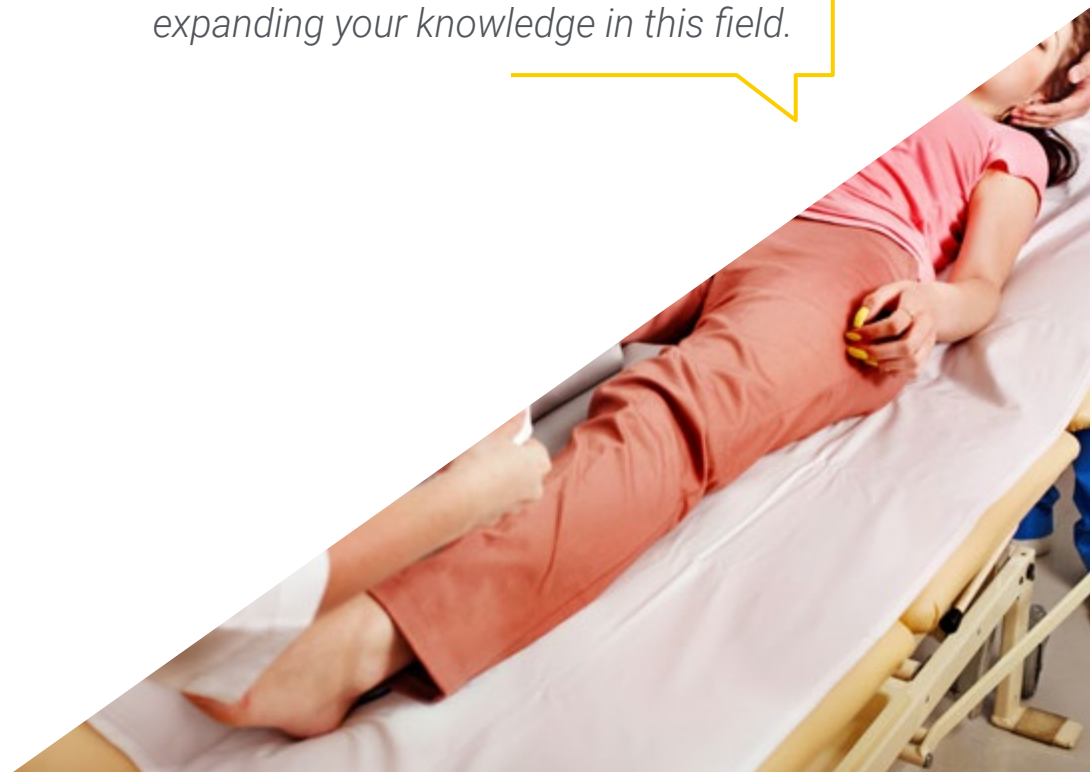
The program's teaching staff includes professionals from the fields of Medicine and Nursing, who bring their work experience to this education, as well as renowned specialists from prestigious reference societies and universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive education programmed to prepare 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. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and highly experienced experts in emergency nursing.

The Postgraduate Diploma allows education through simulated environments, which provide immersive learning programmed to prepare for real situations.

This 100% online Postgraduate Diploma will allow you to balance your studies with your professional work while expanding your knowledge in this field.



02

Objectives

The main objective of the program is the development of theoretical and practical learning, so that the professional achieves in a practical and rigorous way the study of Accidents, Advanced Emergencies and Disasters in the daily practice of their profession. In this sense, the Postgraduate Diploma in Accidents, Emergencies and Disasters, Comprehensive Care in Polytrauma and Major Burns responds to the continuous demand of professionals for quality study, which serve as a means to use the different types of approaches and treatments as a preventive or therapeutic tool in maintaining the health of their patients in the emergency room.





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With this TECH program, only one goal is set: propel you to succeed professionally in your career as an emergency nurse”



General Objectives

- ♦ Acquire the necessary knowledge, skills and attitudes in the area of emergencies that allow, in an adequate manner, to make decisions in critical moments based to the patient's needs
- ♦ Examine the main bioethical issues and be able to deal with them
- ♦ Recognize the characteristics of emergency saturation to adopt a proactive attitude anticipating in the decision-making process
- ♦ Enable students to develop competencies that will allow them to plan objectives and strategies in accordance with the guidelines of the health organization
- ♦ Identify the main resources involved in out-of-hospital health care
- ♦ Develop the different victim classification systems in any field or environment
- ♦ Describe the different interventions developed in a large-scale event
- ♦ Learn to manage the different areas of an event involving a large number of people affected by it
- ♦ Delve into the advanced management of patients with severe trauma, major burns and their associated complications
- ♦ Review the main damage control resuscitation strategies and their application in different health care settings
- ♦ Examine the effective strategies for the patient's pain control from a biopsychosocial approach



Specific Objectives

Module 1. Management and Planning of Care in Accidents, Emergencies and Disasters

- ♦ Know the fundamentals and historical evolution of Accident and Emergency health care as well as the new therapeutic approaches currently available
- ♦ Acquire knowledge on epidemiology in Accident and Emergency Services; plasticity and elasticity in situations of saturation, and their functional and structural re-organization in special situations (epidemics and pandemics)
- ♦ Understand the most relevant legal and ethical aspects of health care in Accident and Emergency services. Expand theoretical knowledge and its clinical applicability
- ♦ Identify the main ethical dilemmas in Accident and Emergency departments. Know the bioethical principles and their prioritization in pandemic situations
- ♦ Review humanization in emergency services and the peculiarity of its implementation. Learn the Emergency Nursing profile characteristics, as well as their different professional roles
- ♦ Increase knowledge of emergency department management, peculiarities and challenges, as well as quality definition and assessment: criteria and indicators
- ♦ Know and apply the tools for quality management Identify the most common concepts and terms related to quality management Apply the most widely used models: ISO 9001, EFQM
- ♦ Develop in depth knowledge of standardized nursing language (NANDA, NOC, NIC interrelationships) for subsequent application in emergency departments
- ♦ Acquire knowledge of the types of resources for emergency health care and their impact on the health care system
- ♦ Review the medical-legal aspects of patient safety and its multidisciplinary approach
- ♦ Acquire knowledge related to patient safety, as well as the measures to improve patient safety in this area, as a key component of the quality of care

Module 2. Triage. Advanced Disaster Management

- ♦ Delve into the different care models and the structural and functional peculiarities of Accident and Emergency services
- ♦ Delve into the coordination between the different services of the health system aimed at providing assistance to patients with emergency conditions
- ♦ Increase knowledge about Nurse Life Support, professional role and future challenges for the profession
- ♦ Know the types and characteristics of incidents with multiple victims and their special approach
- ♦ Fostering an attitude of responsibility when dealing with a disaster
- ♦ Obtain knowledge and skills on the main types of triage, both in-hospital and out-of-hospital, and triage in special situations, as well as the prioritization and implementation of new technologies in triage systems
- ♦ Know the types and characteristics of CBRN incidents: triage, operating procedures, sanitary zoning and hospital preparedness
- ♦ Learn about victim management in special situations and emergency response identification and framework
- ♦ Show a variety of situations with which health care personnel must deal with
- ♦ Gain an in-depth knowledge of the different types of medical transport used today and their evolution throughout history
- ♦ Develop knowledge of the fundamental characteristics of each type of patient transport and transfer

Module 3. Advanced Approach to Trauma Emergencies

- ♦ Develop the epidemiology related to the severe trauma patient and the epidemiological magnitude involved
- ♦ Delve into the assessment and stabilization of the trauma patient, with specific procedures and techniques throughout the process of emergency health care treatment
- ♦ Learn about resuscitation therapies related to major trauma, with a focus on damage control resuscitation
- ♦ Describe the action plan for a "Polytrauma Code"
- ♦ Get up to date on mobilization and immobilization protocol for trauma patients
- ♦ Acquire advanced knowledge of burns, both in their assessment and management
- ♦ Plan nursing care based on identified problems
- ♦ Demonstrate the main therapeutic techniques and nursing care related to fractures and dislocations
- ♦ Delve into pain management and acquire skills to perform advanced care



An intensive course that will allow you to become a Specialist in Nursing and Care of the Child with Solid Neoplasia in a short period of time and with the greatest flexibility"

04

Course Management

The program's teaching staff includes leading specialists in Nursing of Accidents and Emergencies and other related areas, who bring their years of work experience to this training program. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner. All of this, with the aim of providing nurses with the most complete information and contents of the educational panorama so that they can practice their profession with greater guarantees of success.





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Learn from leading professionals the latest advances in new therapeutic treatments for patients with polytrauma and severe burns in accidents and emergencies”

Management



Ms. Souto Novas, Ana María

- Nurse Emergency Supervisor at La Paz University Hospital
- Admission Nurse at La Paz University Hospital
- Master's Degree in Integration and Critical Problem Solving in Nursing from the University of Alcalá
- Postgraduate Diploma in Management and Nursing Services Leadership given by the School of Health Sciences
- Postgraduate Diploma in Accidents and Emergencies from the Complutense University of Madrid
- Postgraduate Certificate in Nursing from the Pontificia University of Salamanca



D. Ruiz López, Daniel

- Nurse specialized in Nursing Services Direction and Management
- Nursing Supervisor in the Adult Emergency Department of La Paz University Hospital of Madrid
- Diploma in Nursing (D.U.E.), University School of Nursing, Cordoba
- Master's Degree in Nursing Management. Cardenal Herrera University
- University Expert in Nursing in the Hospital Emergency Department. Cardenal Herrera University
- University Expert in Management Skills for Nursing. Cardenal Herrera University
- University Expert in Quality Management for Nursing. Cardenal Herrera University
- University Expert in Management and Services Supervision for Nursing. Cardenal Herrera University
- University Expert in Direction and Management of Health Services for Nurses. Cardenal Herrera University
- Instructor of Instructors and Auditors in Triage Manchester. Spanish Triage Group
- Manchester Triage System Course Spanish Triage Group



Professors

Dr. Estebaranz Santamaría, Cristina

- ◆ Nurse and Researcher
- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Associate Professor of Nurses, Autonomous University of Madrid
- ◆ Main advisor for Nursing Clinical internships at the Autonomous University of Madrid
- ◆ PhD in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Graduate in Nursing from the Autonomous University of Madrid.
- ◆ Master's Degree in Accidents, Emergencies and Critical Nursing Care given by the European University of Madrid

D. Galbis Palma, Alejandro

- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Postgraduate Certificate in Nursing
- ◆ Postgraduate Certificate in Nursing Application of Techniques in Accident and Emergency Care
- ◆ Postgraduate Certificate in Nursing Interventions in Disaster Situations
- ◆ Postgraduate Certificate in Instrumentalized Life Support
- ◆ Postgraduate Certificate in Intravenous Therapy and PICC Implantation

D. García Garrido, Miguel Ángel

- ♦ Nurse of the Adult Emergency Department of La Paz University Hospital
- ♦ University Diploma in Nursing
- ♦ Master's Degree in Health Emergency and Disasters given by the University of León
- ♦ Master's Degree in Critical Illness and Emergencies given by the University of Barcelona
- ♦ Master's Degree in Clinical Research given by the University of Barcelona
- ♦ Postgraduate Certificate in Advanced Life Support
- ♦ Postgraduate Certificate in Trauma Advanced Life Support
- ♦ Postgraduate Certificate in Basic and Advanced CPR in Pediatrics

Ms. Gómez Lage, Laura

- ♦ Nurse at the Adult Emergency Department of La Paz University Hospital
- ♦ Degree in Nursing from the Complutense University of Madrid
- ♦ Expert in Nursing Processes and Interventions for Pediatric Patients in Life-Threatening Situations by FUDEN and the Catholic University of Avila
- ♦ Expert in Emotional Development and Parenting by FUDEN and Catholic University of Avila
- ♦ Basics of Accident and Emergency Nursing by FMAE
- ♦ Emergencies in the Institutionalized Patient Care by the Puerta de Hierro Majadahonda University Hospital
- ♦ Pharmacology Residency in Accident and Emergency Care by FUDEN
- ♦ Nursing Care of the Healthy Newborn by FMAE
- ♦ Frequently Used Drugs by Diffusion Nursing Advances





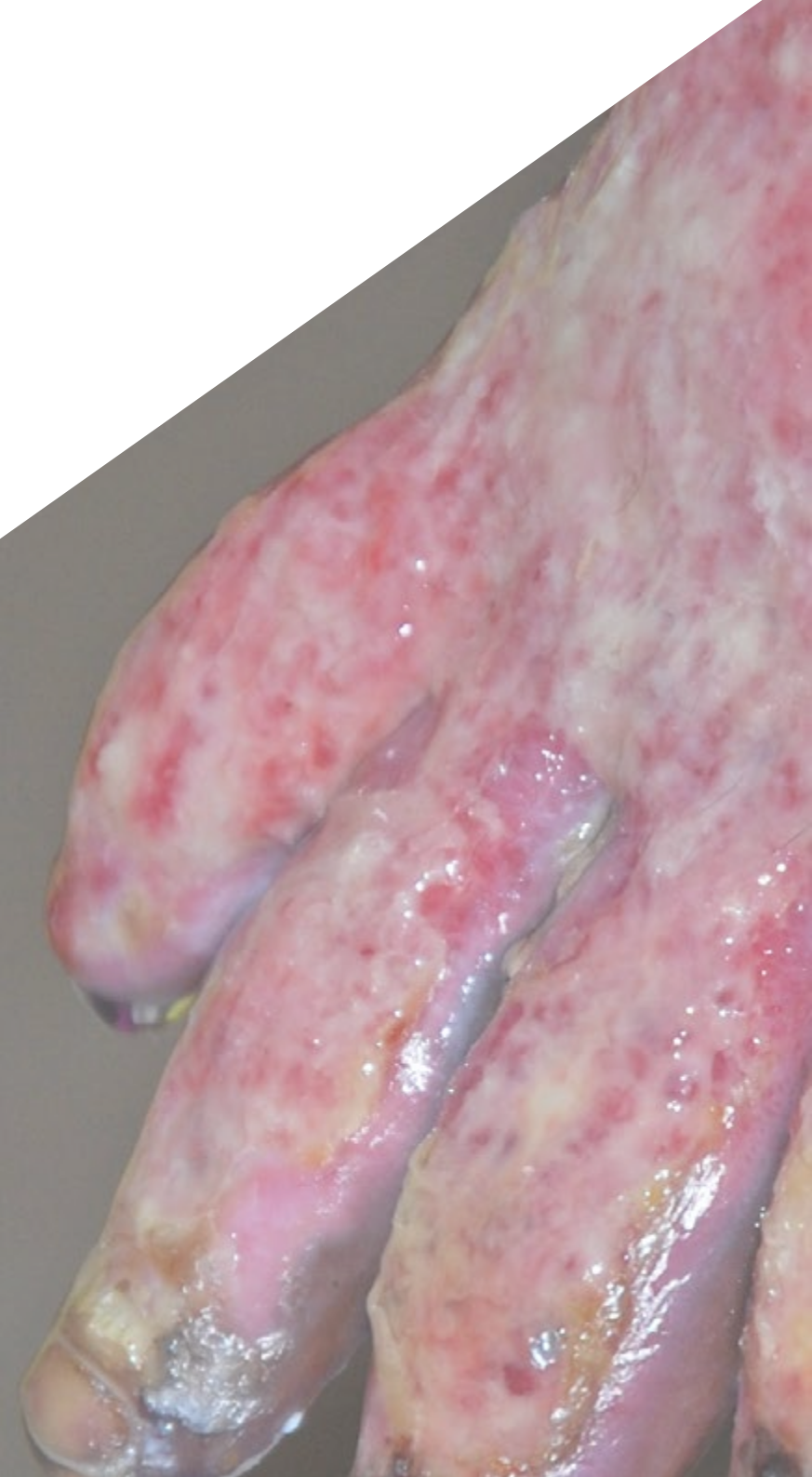
Ms. Peinado Quesada, María Angustias

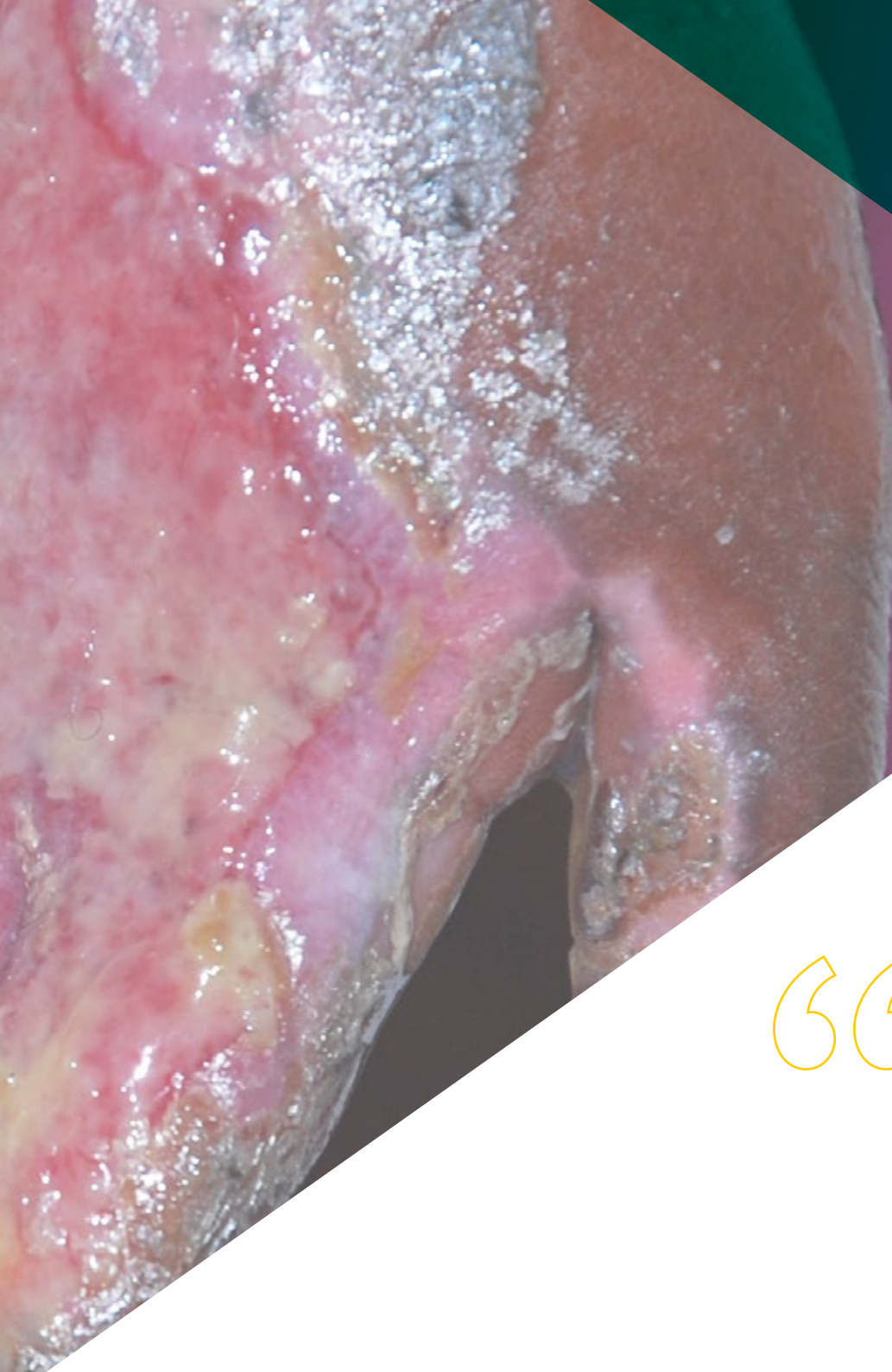
- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Nurse in the Intensive Care Unit of St Helier Hospital (London)
- ◆ Nurse in the Heart Unit of La Paz University Hospital
- ◆ Nurse in the Intensive Care Unit of La Paz University Hospital
- ◆ Full Professor at the Autonomous University of Madrid
- ◆ Diploma in Nursing from the Autonomous University of Madrid
- ◆ Master in Assessment and Management of the Critically Ill Patient by ST George's University (London)
- ◆ Expert in Advanced Mechanical Ventilation for Nurses from ST George's University
- ◆ Expert in Accident Emergency and Critical Care Nursing Care by FUDEN
- ◆ American Heart Association BLS/AVS Instructor

05

Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities of the national territory, aware of the relevance of current education to be able to detect and intervene in those cases in which a patient comes to the emergency department with severe burns or severe trauma, being the Nursing professional able to provide adequate care and correct treatment. All this, with the aim of educating nurses who are much more competent and prepared to care for patients with different symptomatology in Accident and Emergency Departments both in and out-of-hospital.





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This online Postgraduate Diploma in Accidents, Emergencies and Disasters, Integral Care in Polytrauma and Major Burns contains the most complete and up-to-date scientific program on the market”

Module 1. Management and Planning of Care in Accidents, Emergencies and Disasters

- 1.1. Past, Present and Future of Accident and Emergency Services. New Therapeutic Approach
- 1.2. Epidemiology and Criteria for Emergency Department Saturation
- 1.3. Legal framework for Urgent and Emergency Care
- 1.4. Ethics Framework for Urgent and Emergency Care
- 1.5. Humanization. Role of Nurses
- 1.6. Management and Quality
- 1.7. Registration Systems and Standardized Language Contingency Plans
- 1.8. Financial Resources for Emergency Health Care
- 1.9. Patient Security

Module 2. Triage. Advanced Disaster Management

- 2.1. Structuring of Accident and Emergency Services
- 2.2. Advanced Nursing Life Support (ALSN)
- 2.3. Multiple Victim Incidents and Disasters. Types and Characteristics
- 2.4. Triage Systems
- 2.5. Emergency Planning and Action Procedures
- 2.6. CBRN Incidents
- 2.7. Management of Fatalities and Victims. Humanitarian Assistance in Disasters
- 2.8. Medical Rescue in Special Situations
- 2.9. Medical Transport and Patient Transfer



Module 3. Advanced Approach to Traumatologic Emergencies

- 3.1. Magnitude and Epidemiology of Severe Trauma
- 3.2. Assessment and Stabilization of the Trauma Patient
- 3.3. The Polytraumatized Patient
- 3.4. Damage Control Resuscitation
- 3.5. Burns. Assessment and Management of the Severely Burned Patient
- 3.6. Advanced Nursing Care in Acute and Chronic Wounds Sutures
- 3.7. Fractures and Dislocations. Splinting and Casting
- 3.8. Pain as the 5th Vital Constant. Assessment and Management

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A unique, key, and decisive educational 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.





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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 Diploma in Accidents, Emergencies and Disasters, Integral Care in Polytrauma and Major Burns guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Accidents, Emergencies and Disasters, Integral Care in Polytrauma and Major Burns** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

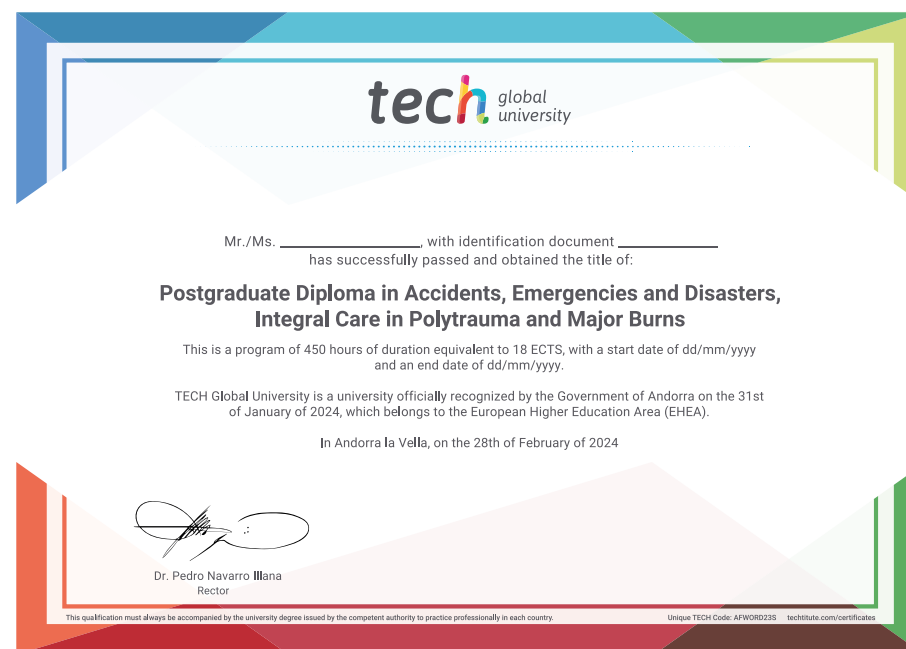
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Accidents, Emergencies and Disasters, Integral Care in Polytrauma and Major Burns**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



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



Postgraduate Diploma

Emergencies, Emergencies and
Disasters Comprehensive Care
in Polytrauma and Major Burns

- » Modality: online
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Postgraduate Diploma

Accidents, Emergencies and Disasters, Integral Care in Polytrauma and Major Burns

