

# Postgraduate Certificate Traumatic Wound Management





## Postgraduate Certificate Traumatic Wound Management

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-certificate/traumatic-wound-management](http://www.techtute.com/us/nursing/postgraduate-certificate/traumatic-wound-management)

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# 01

# Introduction

The clinical setting is very unpredictable. On many occasions, there are patients who request medical assistance for the management of wounds that, although initially classified as low priority, due to minimal attention or poor care, have become traumatic injuries. Whether for these reasons or the cause that has provoked them, nursing professionals must be up to date on the latest developments in care, cures and treatments, in order to provide appropriate care for each case. Therefore, TECH has compacted in this program the latest trends in traumatic wound care, including advances in infection management and the different interventions according to the cause. All this 100% online and through 150 hours of the best theoretical, practical and additional content.





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*Deepen in the use of smart dressings to monitor healing and update your practice with TECH”*

The management of wounds caused by different factors occupies a good part of the Emergency Department. It is also a clinical field that requires constant updating since, in addition to the fact that it encompasses multiple techniques and approaches depending on the origin of the injury, new therapeutic trends are continually being implemented in nursing practice to promote healing and prevent the appearance of infections or derived comorbidities. Especially when the patient's condition derives from a traumatic injury.

Taking the latest clinical trends as a reference, TECH Technological University and its team of expert nurses in the area, have developed this Postgraduate Certificate in Traumatic Wound Management. It is an academic experience that combines excellence with innovation in 150 hours of the best theoretical, practical and additional content. In short, it is a unique opportunity for graduates to get up to date in aspects such as the use of antibiotics, in the constant monitoring of the patient or the administration of possible treatments for prevention. In addition, they will be able to delve into the latest trends related to regenerative therapies, the use of smart dressings or therapies based on tissue engineering to promote regeneration.

For this, they will have 6 weeks of access to a state-of-the-art campus where they will find all the material available from the beginning of the academic experience. They will have in focus videos, images, diagrams, news, research articles, dynamic summaries, etc., to expand each section in a personalized way, giving them the opportunity to adapt the study of the Postgraduate Certificate to their total and absolute availability. In addition, its convenient 100% online format will allow them to connect from wherever they want, without schedules or face-to-face classes and through any device with an Internet connection, whether pc, tablet or mobile. Finally, all the content, including the syllabus, can be downloaded for consultation, even offline, providing flexibility to an academic experience that promises to raise the level to the maximum.

This **Postgraduate Certificate in Traumatic Wound Management** 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 Wound Care for Nursing
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where self-assessment can be used 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



*Discover the latest trends in surveillance for signs of infection and be updated by the best professionals"*

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*Perfect your skills in deep wound cleansing with the most innovative techniques in the clinical setting”*

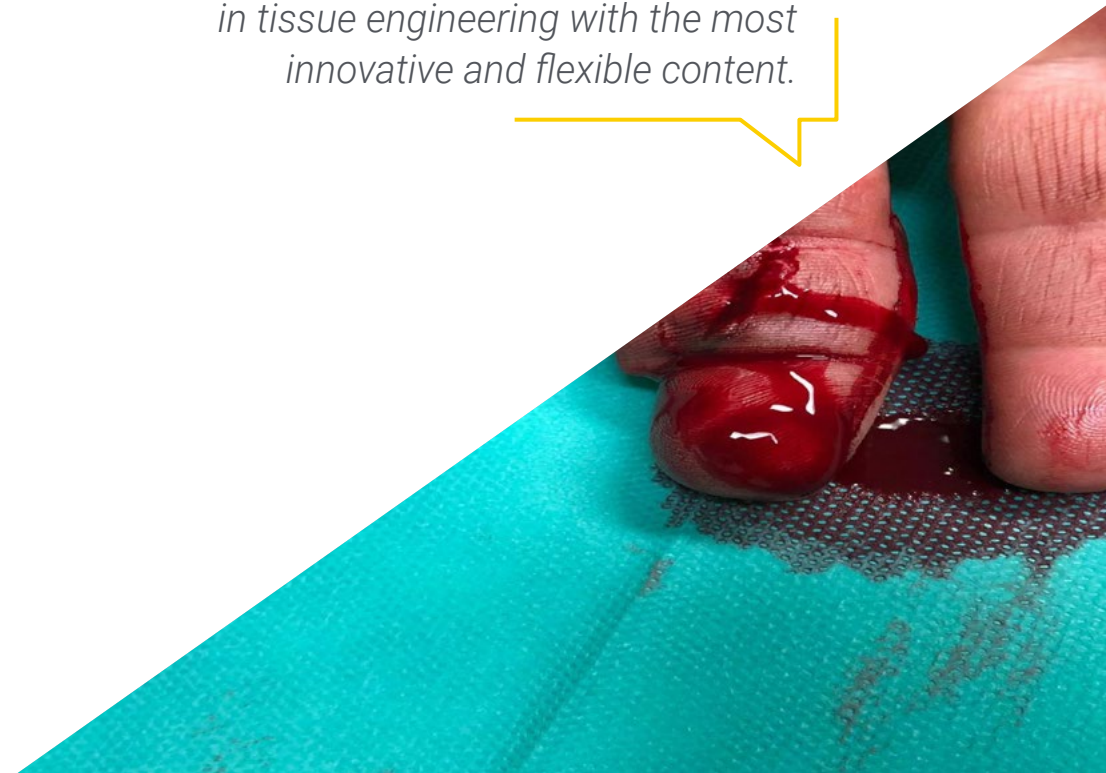
The program's teaching staff includes professionals from the sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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 education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*You will be able to delve into the prevention of complications such as gangrene with the best theoretical, practical and additional content.*

*Discover the most innovative therapies in tissue engineering with the most innovative and flexible content.*



# 02

# Objectives

The objective of this Postgraduate Certificate in Traumatic Wound Management has been designed by TECH Technological University in order to address the developments of this nursing field from a complete, flexible and totally innovative perspective. Therefore, professionals are provided with the possibility of getting up to date in a comprehensive, effective and comfortable way, updating their practice based on the latest clinical developments that have been developed and the hand of experts in the sector.







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*Deepen in the use of smart dressings to monitor healing and update your practice with TECH”*



## General Objectives

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- ♦ Develop skills in the comprehensive management of arterial ulcers, providing practical tools and strategies for the treatment of arterial ulcers, including wound healing techniques, infection prevention and promotion of healing
- ♦ Substantiate relevant principles of surgical wound care
- ♦ Generate specialized knowledge to master wound assessment techniques to identify complications
- ♦ Manage best practices in wound dressing and cleansing
- ♦ Analyze the best strategies to prevent infection and promote optimal healing
- ♦ Develop the importance of patient education in wound care



*More than 150 hours of the best theoretical, practical and additional content compacted in a convenient 100% online format"*





## Specific Objectives

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### Module 1. Traumatic Wound Management for Nursing

- ◆ Develop specialized knowledge to perform a systematic initial assessment of traumatic wounds, including identification of signs of severity and determination of the need for immediate intervention
- ◆ Analyze the different wound closure techniques, from primary closure to the use of specialized dressings and bandages and select the most appropriate option according to the characteristics of the injury
- ◆ Master the postoperative management of traumatic wounds, follow-up of healing, infection prevention and physical and emotional rehabilitation of the patient
- ◆ Integrate prevention and education strategies in traumatic wound care, at both the individual and community levels, to reduce the incidence of injury and promote safe environments

03

# Course Management

TECH prioritizes for each program in the design of teaching staff of the highest level. Therefore, the team of this Postgraduate Certificate is composed of the best experts in the field of Nursing, renowned professionals with years of experience in the management of traumatic wounds who have agreed to share their knowledge with graduates who enroll in the program and want to update their practice. In addition, each program reflects their background, providing their perspective with practical cases taken from their day-to-day work, among other aspects.



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*Discover the latest developments in the management of traumatic wounds with an innovative syllabus designed 100% by professionals in the field of Nursing”*

## Management



### Mr. Pérez Barreno, David

- Complex Chronic Wounds Nurse in the Malaga-Guadalhorce Valley Health District
- Manager and Coordinator of Nursing staff in health care centers
- KOL in several innovation and research projects related to Wound Care Nursing
- Member of the Group of Research in Care of Malaga (Invescuida) IBIMA
- Administrator of OJS Platforms in Nursing scientific journals
- Master's Degree in Deterioration of Cutaneous Integrity, Ulcers and Wounds by the Catholic University of Valencia
- University Expert in Care and Cure of Chronic Wounds by the University of Cantabria
- University Expert in Nursing Human Resources Management, UNED (UNED)
- Postgraduate Certificate in Nursing from the University of Cadiz
- Diploma in Physiotherapy from the University of La Laguna, Tenerife
- Member of: Spanish Association of Vascular and Wound Nursing, Spanish Wound Society, European Wound Management Association (EWMA)



### **Mr. Toribio Martínez, Sergio José**

- ♦ Academic Specialist in Nursing at the University of Granada
- ♦ Nurse of the Operating Room Service at the University Hospital of Ceuta
- ♦ Member of the Commission for Research, Teaching and Continuing Education at the University Hospital of Ceuta
- ♦ Expert in Evaluation of Continuing Health Education Activities at the National Institute of Health Management, Ministry of Health and Consumer Affairs
- ♦ Master's Degree in Nursing Sciences Research, University of Almeria
- ♦ Master's Degree in Occupational Risk Prevention, specializing in Ergonomics, Occupational Safety, Industrial Hygiene and Applied Psychosociology
- ♦ University Expert in Emergency Nursing from the Complutense University of Madrid
- ♦ Diploma in Nursing from the University of Granada
- ♦ Higher Diploma in Management and Administration of Health and Social Services Companies, National School of Health, Carlos III Health Institute
- ♦ Diploma in Health by the National School of Health, Carlos III Institute of Health

## Professors

### Ms. Bueno Ramírez, Soledad

- ♦ Nurse of Internal Medicine and Outpatients at the University Hospital of Ceuta
- ♦ Nurse at the Fresenius Medical Care Dialysis Center
- ♦ Nurse in the Surgical Medicine Service at the Military Hospital, Ceuta
- ♦ Nurse in the Psychiatry and Internal Medicine Service at the Reina Sofia University Hospital
- ♦ Nurse at the Ceuta Dialysis Center, Ceuta
- ♦ Nurse at FEAPS (Center for the Physically, Mentally and Sensory Handicapped)
- ♦ Nurse for Nest, Emergency and Plant Services at Hospiten Sur, Tenerife
- ♦ Master's Degree in Nursing in Emergencies and Catastrophes
- ♦ Master's Degree in Nursing in Internal Medicine
- ♦ University Expert in Nursing Processes and Interventions in the field of General Care
- ♦ University Expert in Disaster Management for Nursing
- ♦ University Expert in Advanced Life Support
- ♦ University Expert in Severe Trauma Care for Nursing
- ♦ University Expert in Emergency Medical Care for Nursing
- ♦ University Expert in Pregnancy, Childbirth and Puerperium for Nursing
- ♦ University Expert in Pediatric Care for Nursing
- ♦ Diploma in Business Nursing from the University of Ceuta
- ♦ Diploma in Nursing from the University of Granada
- ♦ Higher Technician in Clinical Diagnostics Laboratory

### Ms. Fernández de Barrena San Miguel, Ainhoa

- ♦ Nurse in the Emergency Department at the University Hospital of Ceuta
- ♦ Nurse in Vivanta Clinics, Aesthetic Medicine
- ♦ Nurse in Plena Inclusion Ceuta
- ♦ Nurse at the Temporary Stay Center for Immigrants (CETI)
- ♦ Professional Master's Degree in Accident, Emergency and Disaster Nursing
- ♦ Professional Master's Degree in Internal Medicine Nursing
- ♦ University Expert in Disaster Management for Nursing
- ♦ University Expert in Emergency Medical Care for Nursing
- ♦ University Expert in Severe Trauma Care for Nursing
- ♦ University Expert in Advanced Life Support for Nursing
- ♦ University Expert in Applied Infectious Diseases in Nursing
- ♦ Diploma in Nursing from the University of Granada





**Ms. Pareja Miralles, Patricia**

- ◆ Nurse of the Internal Medicine Service at the University Hospital of Ceuta
- ◆ Dialysis Service Nurse at RTS (BAXTER)
- ◆ Nurse of the Dialysis Service at Fresenius Medical Care
- ◆ Nurse at the Venus Center, Ceuta
- ◆ Master's Degree in Internal Medicine Nursing
- ◆ Master's Degree in Emergency and Catastrophe Nursing
- ◆ University Expert in Advanced Life Support for Nursing
- ◆ University Expert in Disaster Management for Nursing
- ◆ University Expert in Processes of Nursing Interventions in the Field of General Care
- ◆ University Expert in Pediatric Care for Nursing
- ◆ University Expert in Pregnancy, Childbirth and Puerperium for Nursing
- ◆ University Expert in Severe Trauma Care for Nursing
- ◆ University Expert in Emergency Medical Care for Nursing
- ◆ Diploma in Nursing from the University School of Granada

**Ms. Gaona Ortiz, Noelia**

- ◆ Nurse in Public Health Services and Centers in Ceuta
- ◆ Nurse in Franciscan Brothers of Cruz Blanca
- ◆ Nurse in Pia Union Fraternity of Christ, Residence Nazareth, Ceuta
- ◆ Nurse in Residencia Sar Rosario, Torres de la Alameda, Madrid
- ◆ Nurse in Provincial Sanitary Union, Ceuta
- ◆ Nurse at Medical Center and Home Care, Ceuta
- ◆ Master's Degree in Nursing in Emergencies and Disasters by the University CEU Cardenal Herrera
- ◆ Master's Degree in Nursing Direction and Management, CEU Cardenal Herrera University
- ◆ Master's Degree in Nursing in the Internal Medicine Department by the University CEU Cardenal Herrera
- ◆ University expert in Infectious Diseases Applied to Nursing by the CEU Cardenal Herrera University
- ◆ University expert in Medical Emergencies for Nursing by the CEU Cardenal Herrera University
- ◆ University expert in Severe Trauma Care for Nursing by the CEU Cardenal Herrera University
- ◆ University expert in Advanced Life Support by the CEU Cardenal Herrera University
- ◆ University expert in Nursing Processes and Interventions in the field of General Care by the CEU Cardenal Herrera University
- ◆ University expert in Disaster Management for Nursing, CEU Cardenal Herrera University
- ◆ Diploma in Nursing from the University School of Nursing Red Cross, Ceuta





**Ms. Romero Sousa, Gema María**

- ◆ Nurse at the University Hospital of Ceuta
- ◆ Nurse in Primary Care
- ◆ Nurse in Spanish Red Cross
- ◆ Nurse at Cruz Blanca
- ◆ Nurse at Gerón Residence
- ◆ Nurse in Nazareth Residence
- ◆ Professional Master's Degree in Accident, Emergency and Disaster Nursing
- ◆ Professional Master's Degree in Nursing in Internal Medicine
- ◆ University Expert in Severe Trauma Care for Nursing
- ◆ University Expert in Emergency Medical Care for Nursing
- ◆ University Expert in Disaster Management for Nursing
- ◆ University Expert in Applied Infectious Diseases in Nursing
- ◆ University Expert in Advanced Life Support for Nursing
- ◆ Graduate in Nursing from the University of Malaga

# 04

## Structure and Content

Both the structure and the content of the Postgraduate Certificate in Traumatic Wound Management have been designed by the teaching team, following the excellence guidelines required by TECH for each program. In addition, it includes 150 hours of the best theoretical, practical and additional content, the latter presented in multiple formats: in-focus videos, images, dynamic summaries, diagrams, research articles and much more. All this compacted in a convenient 100% online format that will allow graduates to adapt the experience to their availability, giving them the opportunity to connect from anywhere, without schedules and through any device with an Internet connection.





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*Connect from wherever you want: without schedules or face-to-face classes through any device with Internet connection”*

## Module 1. Traumatic Wound Management for Nursing

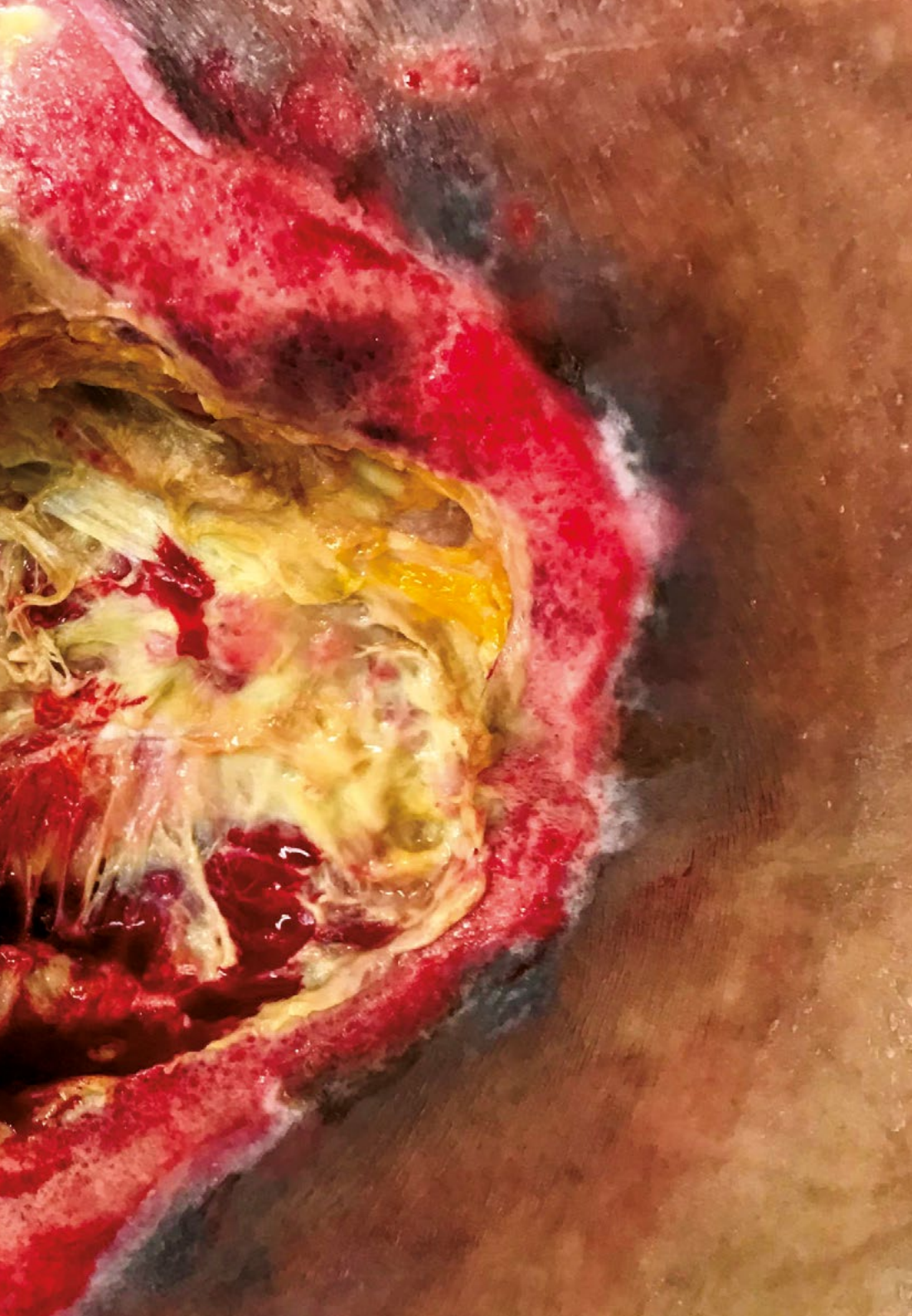
- 1.1. Traumatic Wound Care
  - 1.1.1. Proper Wound Cleaning
  - 1.1.2. Application of Sterile Dressings
  - 1.1.3. Prevention of Secondary Infections
- 1.2. Care of Infected Wounds
  - 1.2.1. Use of Antibiotics According to Medical Indication
  - 1.2.2. Adequate Wound Drainage
  - 1.2.3. Constant Monitoring for Signs of Infection
- 1.3. Care of Puncture Wounds
  - 1.3.1. Assessment of Possible Internal Damage
  - 1.3.2. Control of Internal Bleeding
  - 1.3.3. Monitoring for Signs of Infection
- 1.4. Bite Wound Care
  - 1.4.1. Thorough Cleaning of the Wound
  - 1.4.2. Evaluation of Possible Deep Tissue Damage
  - 1.4.3. Administration of Rabies Vaccines if Necessary
- 1.5. Care of Freezing Wounds
  - 1.5.1. Gradual Thawing of the Affected Area
  - 1.5.2. Protection against Re-Exposure to Cold
  - 1.5.3. Treatment of Possible Complications such as Gangrene
- 1.6. Radiation Wound Care
  - 1.6.1. Protection of the Surrounding Skin
  - 1.6.2. Management of Symptoms such as Irritation and Burns
  - 1.6.3. Monitoring of Possible Long-Term Effects
- 1.7. Care of Chemical Wounds
  - 1.7.1. Neutralization of the Chemical Agent
  - 1.7.2. Abundant Washing with Clean Water
  - 1.7.3. Protection of Medical Personnel to Avoid Contamination
- 1.8. Wound Care in Patients with Chronic Diseases
  - 1.8.1. Management of Underlying Diseases that may Affect Healing
  - 1.8.2. Use of Specific Therapies According to the Patient's Condition
  - 1.8.3. Monitoring of Wound Evolution



- 1.9. Pain Management in Traumatic Wounds
  - 1.9.1. Use of Analgesics According to Pain Intensity
  - 1.9.2. Distraction and Relaxation Techniques
  - 1.9.3. Multidisciplinary Treatment to Deal with Chronic Pain
- 1.10. Advances in the Treatment of Traumatic Wounds
  - 1.10.1. Regenerative Therapies: Use of Growth Factors
  - 1.10.2. Use of Smart Dressings to Monitor Healing
  - 1.10.3. Tissue Engineering-Based Therapies to Promote Regeneration



*Master the latest trends in  
in traumatic wound management  
and revolutionize Nursing with TECH”*



# 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.





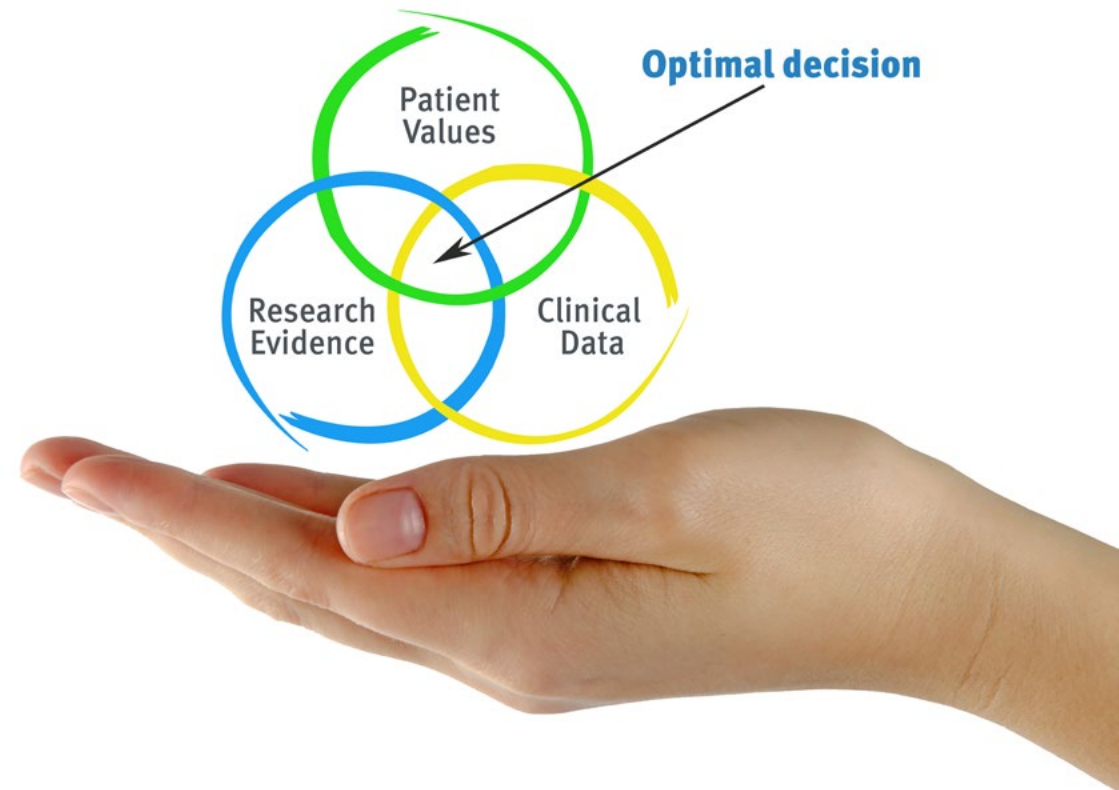
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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.*

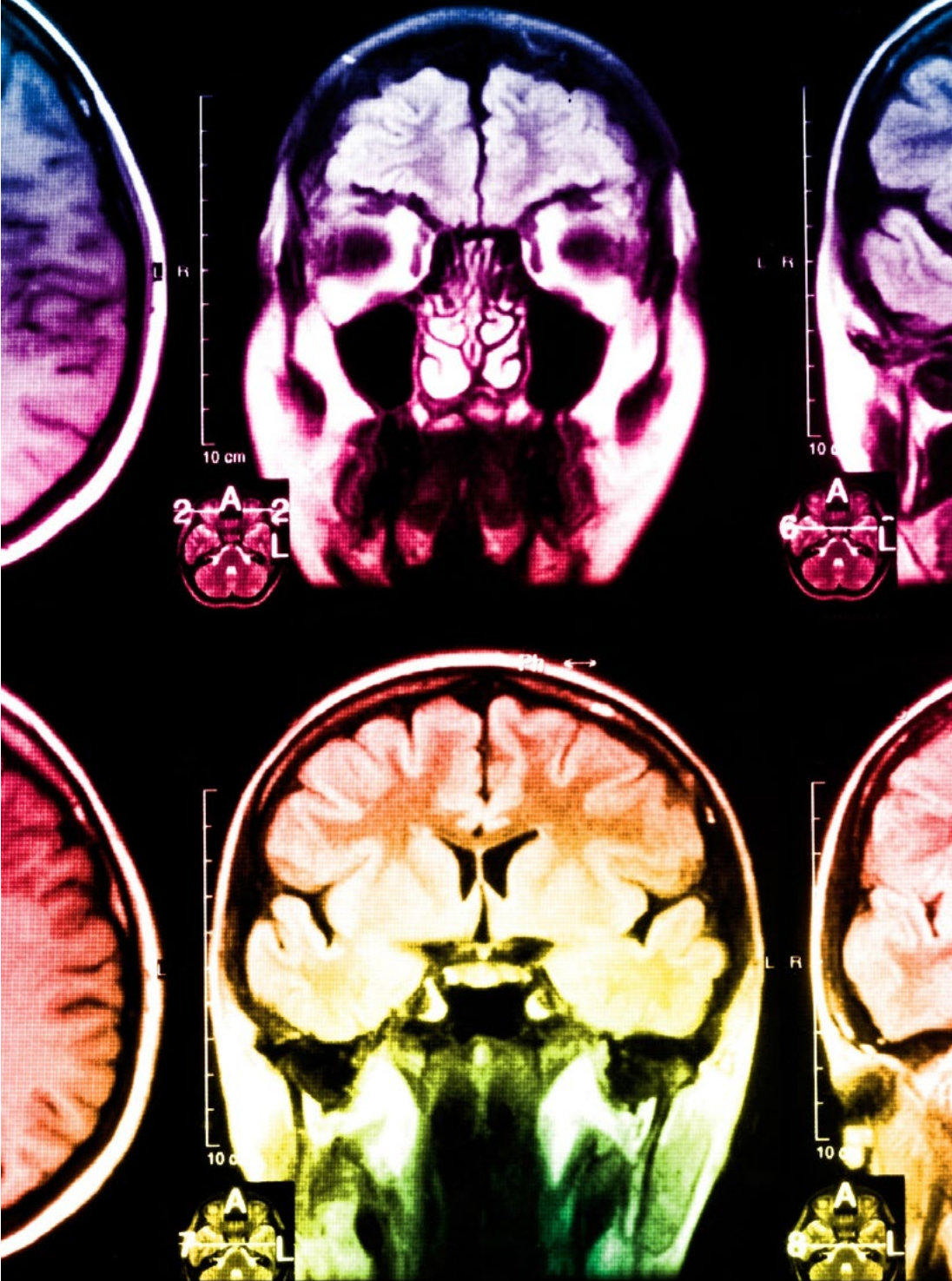
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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.

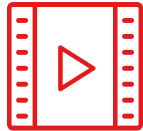
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 adapted in 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

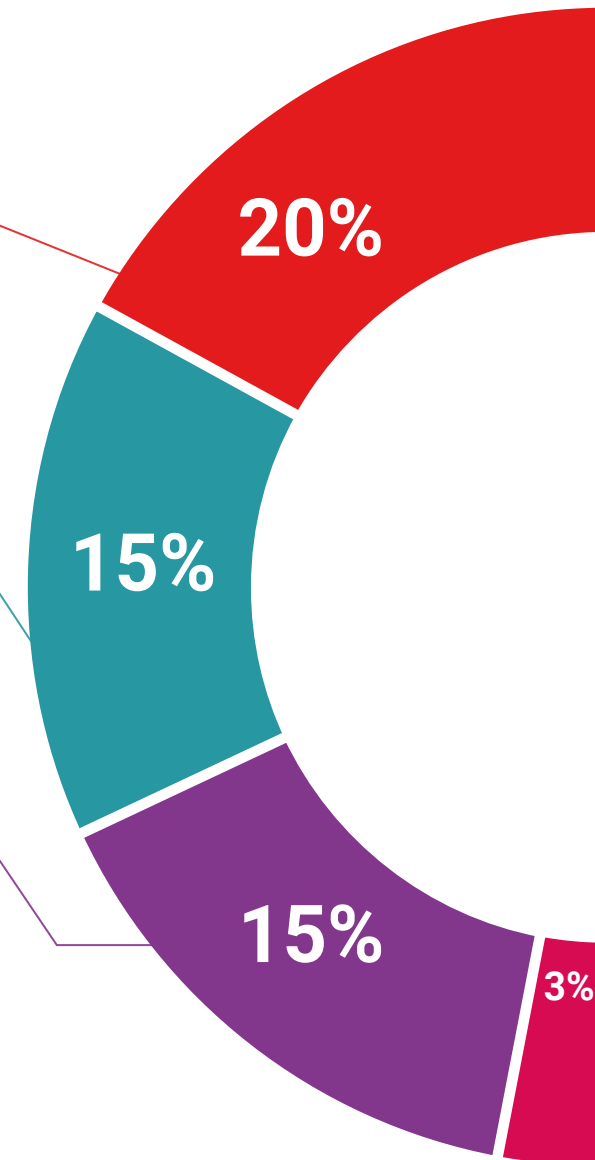
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

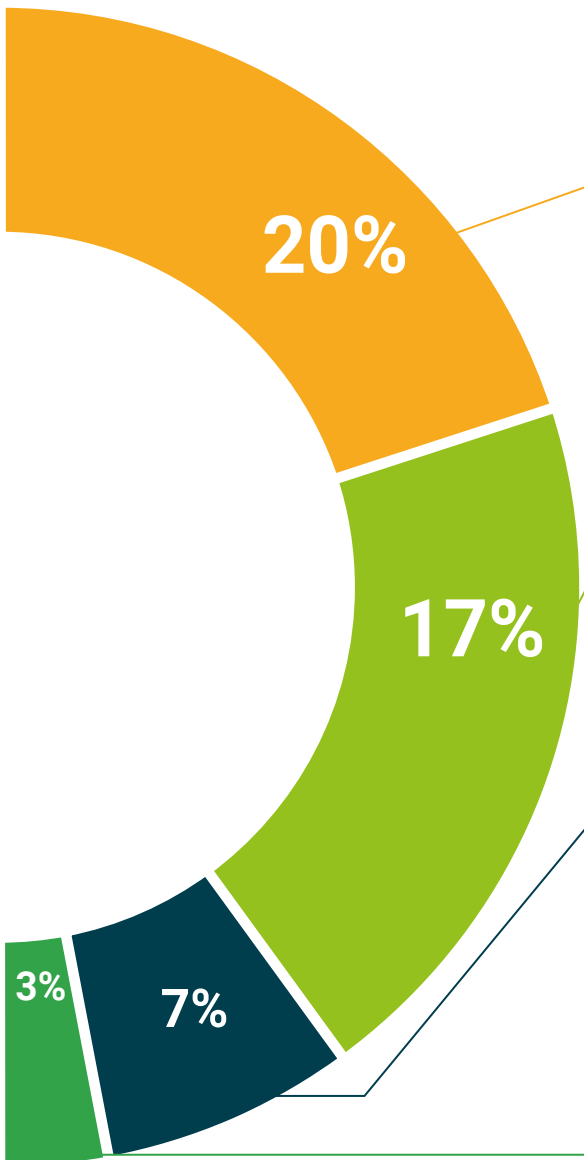
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of 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 Traumatic Wound Management guarantees, in addition to the most accurate and up-to-date knowledge, 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 private qualification will allow you to obtain a **Postgraduate Certificate in Traumatic Wound Management** 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** private qualification 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: **Postgraduate Certificate in Traumatic Wound Management**

Modality: **Online**

Duration: **6 weeks**

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 Certificate Traumatic Wound Management

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- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

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