

# Postgraduate Certificate

## Pediatric Patient Safety for Nursing





## Postgraduate Certificate Pediatric Patient Safety 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/us/nursing/postgraduate-certificate/pediatric-patient-safety-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/pediatric-patient-safety-nursing)

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# 01

# Introduction

Pediatric patient safety is a crucial aspect of healthcare, as children are more vulnerable to errors and adverse events. According to the WHO, almost one third of adverse events in hospitals involve pediatric patients. In this context, TECH presents this program with the objective of updating nursing professionals in the most efficient methods for the prevention and management of risks in the care of children in different healthcare areas. This 100% online program employs the innovative pedagogical methodology of Relearning, which allows students to adapt the content to their needs and learning pace. In addition, it offers flexibility in organizing academic resources, facilitating compatibility with other personal and professional commitments.





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*Enroll now and master the most effective strategies and tools in the prevention and management of risks in pediatric care”*

Pediatric care is an area of medicine that requires special attention due to the particularities of the patients and their families. The safety of these patients is critical, as children are more prone to adverse events and medical errors, which can have long-term consequences. The World Health Organization (WHO) estimates that approximately 30% of adverse events in hospitals occur in pediatric patients, underscoring the need to improve safety in this population.

The Postgraduate Certificate in Pediatric Patient Safety for Nursing, developed by TECH, seeks to update healthcare professionals on the latest advances in the prevention and management of risks in the care of children. The syllabus covers a wide range of relevant topics, from comprehensive safe care and risk management, to pain management in pediatrics, palliative care and safety in neonatology. Ethical issues in pediatric research and the active involvement of patients and families in the care process are also addressed.

This academic program, 100% online, allows students to acquire and apply knowledge in pediatric patient safety in a practical and effective way. Relearning's pedagogical methodology facilitates the adoption of new competencies, allowing professionals to adapt the content and pace of learning to their individual needs. In addition, the online format of the course offers the possibility of accessing materials and resources from anywhere and at any time, facilitating the participation of students regardless of their geographical area and the compatibility with different schedules and work and personal commitments.

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

- ◆ The development of practical cases presented by experts in Pediatric Nursing
- ◆ 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 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



*Get updated on the most advanced techniques and tools in pain management, palliative care and safety in neonatology”*

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*Address the latest postulates related to safe practices in functional and outpatient testing, as well as in pediatric intensive care units”*

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 professionals 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 professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

*Benefit from the innovative pedagogical methodology of Relearning, adapting the content and pace of learning to your needs.*

*Learn more about ethical aspects of pediatric research and the active involvement of patients and families.*



# 02 Objectives

This Postgraduate Certificate aims to provide nursing professionals with updated techniques and resources for safe and pediatric patient-centered care in various care settings. Through a 100% online, interactive and avant-garde methodology, students will delve into strategies to improve patient safety, care focused on their needs and expectations, and the implementation of management models based on ethical and quality principles, among other relevant aspects. All this will be achieved through an academic program based on the latest evidence in this field, with a total duration of 150 hours.







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*A 100% online program with which you will address the most cutting-edge procedures in pediatric anesthetic safety and safe sedation outside the operating room"*



## General Objectives

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- ◆ Identify situations and risk factors in the pediatric patient
- ◆ Determine the main preventive measures implemented in pediatric patient safety
- ◆ Justify the importance and guidelines of surgical safety in the public health setting by defining a minimum set of measures
- ◆ Promote research, innovation and training in patient safety
- ◆ Analyze the management of adverse events and their improvement plans to avoid them
- ◆ Delve into the concepts, methods and strategies for the improvement of patient safety in healthcare institutions
- ◆ Analyze patient safety strategies approached from different healthcare areas



*Take advantage of the flexibility in the organization of academic resources, making your work and personal commitments compatible"*





## Specific Objectives

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- ◆ Acquire the ability to identify the pediatric patient as vulnerable
- ◆ Elaborate risk maps to detect the most frequent adverse events in the pediatric age group
- ◆ Objectify the risk situations of the neonatal patient and his environment
- ◆ Consider the safety of the pediatric patient in clinical research
- ◆ Analyze diagnostic processes and functional tests as generators of safety incidents in children
- ◆ Identify safety risk situations in the pediatric critical patient and their environment
- ◆ Review the pediatric surgical and anesthetic process as a safe environment
- ◆ Know how to detect safety risks in the pediatric patient of special vulnerability: palliative, oncologic and pain management

# 03

# Course Management

The teaching team responsible for teaching this prestigious Postgraduate Certificate has been meticulously chosen by TECH, guaranteeing an update of excellence for the students. The faculty is made up of outstanding professionals in the field of Pediatrics, who, thanks to their background and experience, are in contact with the most recent innovations in the safe and focused care of children and adolescent patients. In this way, students will have the opportunity to learn first-hand the current trends and the most effective practices in the field of pediatric patient safety.



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*A teaching team that will provide you with the most innovative and disruptive content in the safe care and nursing care of the PICU patient"*

## Management



### Dr. Paredes Esteban, Rosa María

- ♦ Head of the Department and Director of the Pediatric Surgery Clinical Management Unit of the Reina Sofia University Hospital of Cordoba
- ♦ Specialist in Pediatric Surgery at the Reina Sofia University Hospital in Cordoba, Spain
- ♦ Specialist in Pediatric Surgery at the Medical-Surgical Hospital of Jaén
- ♦ Head of Pediatric Surgery Training, Reina Sofia University Hospital, Cordoba
- ♦ Coordinator of the Bioethics Commission of the Spanish Society of Pediatric Surgery
- ♦ Vice-President of the Health Care Ethics Committee of the province of Cordoba
- ♦ Coordinator of the Vascular Anomalies Committee of the Reina Sofia University Hospital of Cordoba
- ♦ Coordinator of the Bioethics Committee for Living Donor Transplantation
- ♦ PhD in Medicine and Surgery from the University of Granada
- ♦ Degree in Medicine and Surgery from the University of Granada
- ♦ Postgraduate Diploma in Communication with the Pediatric Patient
- ♦ Postgraduate Diploma in Clinical Management
- ♦ University Diploma of Specialization in Quality and Patient Safety in Health Care Institutions
- ♦ University Diploma of Specialization in Bioethics
- ♦ Member of: European Society of Pediatric Endoscopic Surgery, Spanish Society of Pediatric Surgery, Editorial Committee of the journal of the Spanish Society of Pediatric Surgery and Scientific Evaluation Committee of the Spanish Society of Pediatric Surgery

## Professors

### Ms. Continente Bermudo, Cristina Isabel

- ◆ Nurse in the Tracking Unit at the Reina Sofia University Hospital in Cordoba
- ◆ Graduate in Nursing from the University of Cordoba
- ◆ Specialist in Family and Community Nursing
- ◆ Specialty in Pediatric Nursing at Reina Sofia University Hospital
- ◆ Professional Master's Degree in Being proactive Nursing Research Care from the Catholic University of Avila
- ◆ Postgraduate Diploma in School Nursing, International University of La Rioja

### Ms. González Zurita, Ana Isabel

- ◆ Supervisor of the Pediatric surgery UGC of the University Hospital Reina Sofía
- ◆ Graduate in Nursing from the University of Cordoba
- ◆ Teacher of the Course Nursing Care in the Hospitalized Pediatric Patient
- ◆ Professional Master's Degree in Pharmacotherapy for Nursing from the University of Valencia
- ◆ Professional Master's Degree in Specialized Nursing Care in Emergency, Critical Care and Post-Anesthesia Areas
- ◆ Graduate in Nursing from the University of Cordoba

### Dr. Romero Martinez, Jesús

- ◆ Head of Section in Pediatric Anesthesiology at the Reina Sofia Hospital in Cordoba
- ◆ Coordinator of the surgical block of the Maternal and Infant Hospital
- ◆ Clinical tutor attached to the department of medical-surgical specialties of the University of Cordoba
- ◆ Tutor for residents in training in Anesthesiology and Resuscitation at the Reina Sofia Hospital in Cordoba
- ◆ PhD in Medicine from the University of Córdoba
- ◆ Graduate in Medicine and Surgery, University of Cordoba

### Dr. Rumbao Aguirre, José Manuel

- ◆ Head of the Pediatrics Department of the Reina Sofía Hospital
- ◆ Director Medical Director of the Reina Sofia Hospital
- ◆ Deputy Director of Health Care in the Andalusian Health Service
- ◆ Manager of the Córdoba and Guadalquivir Health District
- ◆ Clinical Tutor of of Pediatrics at the Faculty of Medicine of Cordoba
- ◆ Pediatrics Resident Tutor at the Reina Sofia Hospital in Cordoba
- ◆ Professional Master's Degree in Medical and Clinical Management
- ◆ Postgraduate Diploma in patient security
- ◆ Graduate in Medicine and Surgery, University of Cordoba

### Dr. Vallejo Cantero, Francisco Javier

- ◆ Head of Department Tracking Unit integrate at the Reina Sofia University Hospital in Cordoba
- ◆ Member of the group for the implementation and development of the integrated care process "Childhood pain" in the HURS of Córdoba
- ◆ Area Specialist in Anesthesiology and Resuscitation at the Reina Sofia University Hospital in Cordoba
- ◆ Resident tutor in the specialty of anesthesiology and resuscitation at the University Hospital of Cordoba
- ◆ Anesthesiology assistance to the transplant program of the Reina Sofia Hospital
- ◆ Preferably in the maternity and infant surgical block of the Reina Sofia Hospital
- ◆ Coordinator of the accreditation of clinical sessions of the Anesthesiology and Resuscitation service at the HURS of Córdoba
- ◆ Graduate in Medicine and Surgery, University of Cordoba

**Ms. Ruiz Palomino, Aurora**

- ♦ Pediatric Nurse Specialist
- ♦ Associate Professor of Nursing at the University of Córdoba
- ♦ Official Master's Degree in Social and Cultural Gerontology from the University of Jaén
- ♦ Professional Master's Degree in Pharmacology and Pharmacotherapy for Nursing from the University of Valencia
- ♦ Specialization Diploma in Care Management and Advanced Nursing Practices from the University of Granada
- ♦ University Diploma in Nursing from the University of Granada

**Dr. Gil Campo, María Mercedes**

- ♦ Coordinator of the Tracking Unit at the Reina Sofia University Hospital in Cordoba
- ♦ Specialist Pediatrician
- ♦ Pediatrics Professor at the Faculty of Medicine of the University of Cordoba
- ♦ PhD in Medicine from the University of Córdoba
- ♦ Degree in Medicine and Surgery from the University of Cordoba

**Ms. Sánchez Reyes, Marta**

- ♦ Pediatric Palliative Care Nurse at the Reina Sofia University Hospital in Cordoba
- ♦ Pediatric Nurse Specialist
- ♦ Professional Master's Degree in s Degree specialized in Pediatrics from the University of Valencia
- ♦ Professional Master's Degree in Centers Healthcare from the University of Valencia
- ♦ Specialist in Emergency Nursing and Outpatient Emergencies from the European University of Madrid

**Dr. Benítez Muñoz, Helga María**

- ♦ FEA at the Pediatric Palliative Care Unit Cardiology Service Department of the University Hospital Reina Sofia of Cordoba
- ♦ Clinical Tutor of the Pediatrics course of the Medicine Degree of the University of Seville
- ♦ Specialist in Pediatrics and its specific areas by the Ministry of Science, Innovation and Universities
- ♦ Specialist in Pediatric Palliative Care
- ♦ Professional Master's Degree in Pediatric Palliative Care from the International University of La Rioja
- ♦ Degree in Medicine from the University of Seville

**Dr. Montero Yéboles, Raúl**

- ♦ Specialist Pediatrician
- ♦ Specialist in Pediatrics at the University Hospital of Salamanca
- ♦ Subspecialization in PICU
- ♦ Teacher in the Master in Respiratory Support and Mechanical Ventilation at the University of Valencia
- ♦ Teacher in the European Program of the European Society of Pediatric Intensive Care (Mentorship program)
- ♦ PhD in Pediatrics by the University of Salamanca
- ♦ Professional Master's Degree in International Cooperation from the Complutense University of Madrid
- ♦ Expert Diploma in Bioethics from the University of Granada
- ♦ Degree in Medicine from the Complutense University of Madrid





**Ms. Pabón González, Laura**

- ◆ Nurse of Events and Preventive Services in Basic and Advanced Life Support ambulances in Ambulancias Ayón
- ◆ Specialty in Pediatric Nursing at Reina Sofia University Hospital
- ◆ Postgraduate Diploma in Nursing in Mental Health and Psychiatry by the UNED
- ◆ Postgraduate Diploma in Nursing in prescription, use and management of drugs by the UNED
- ◆ Postgraduate Diploma in Advanced Nursing Care by the University of León
- ◆ Official Master's Degree in International Health from the University of Malaga
- ◆ Graduate in Nursing from the University of Malaga

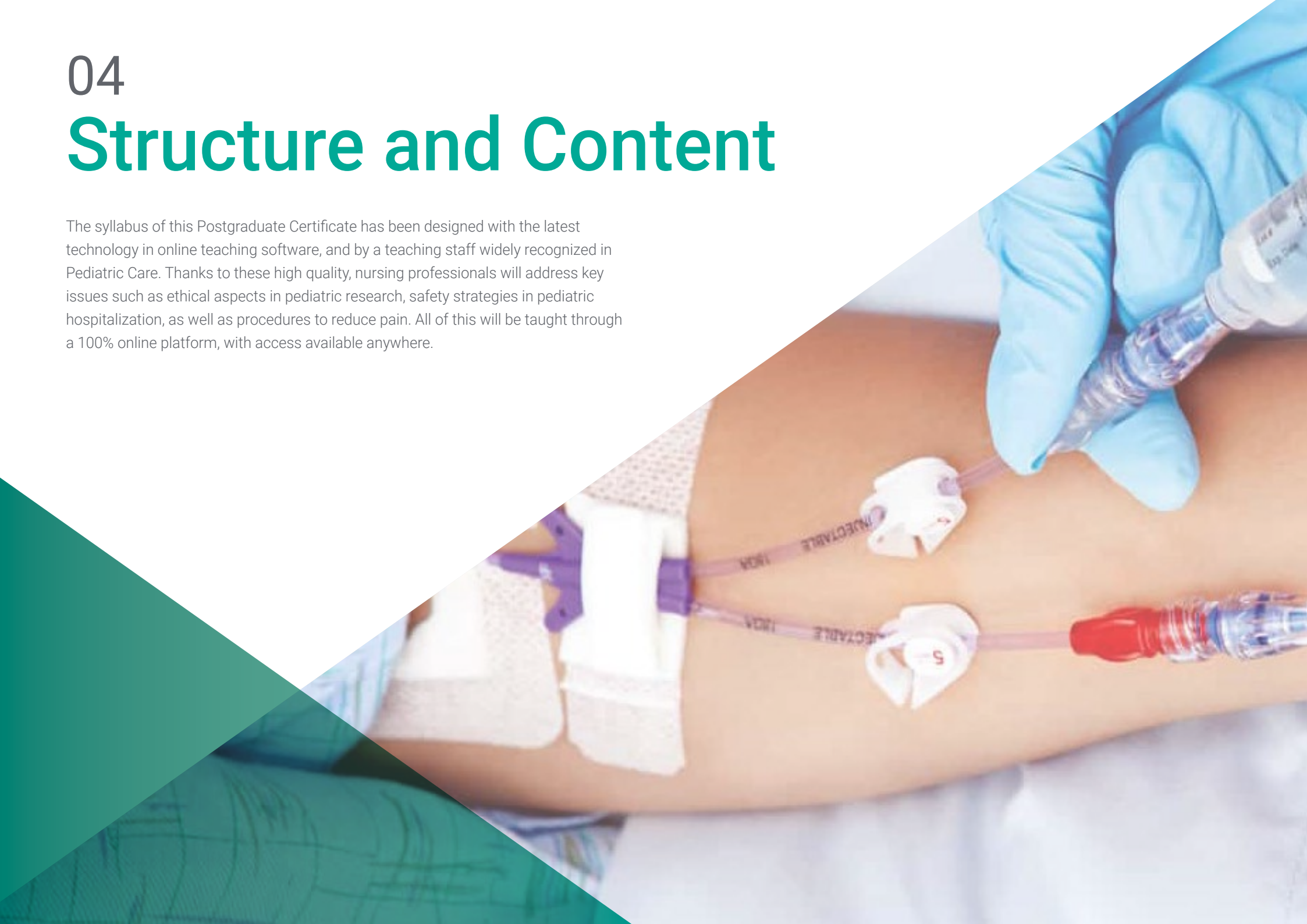
**Ms. Álvaro Sánchez, Ester**

- ◆ Pediatric ICU Nurse at the Reina Sofia University Hospital in Cordoba
- ◆ Specialist in Pediatric Nursing at the Hospital Universitario Reina Sofía
- ◆ Graduate in Nursing from the University of Salamanca
- ◆ Postgraduate Diploma in School Nursing at the UNIR
- ◆ Postgraduate Diploma in Nursing Leadership. Nightingale Challenge by UNIR

# 04

# Structure and Content

The syllabus of this Postgraduate Certificate has been designed with the latest technology in online teaching software, and by a teaching staff widely recognized in Pediatric Care. Thanks to these high quality, nursing professionals will address key issues such as ethical aspects in pediatric research, safety strategies in pediatric hospitalization, as well as procedures to reduce pain. All of this will be taught through a 100% online platform, with access available anywhere.





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*Advance your professional career with this prestigious Postgraduate Certificate in Pediatric Patient Safety for Nursing”*

## Module 1. Pediatric Patient Safety

- 1.1. Pediatric Patient Safety
  - 1.1.1. Pediatric Patient Safety
  - 1.1.2. Comprehensive Safe Care
  - 1.1.3. Risk Management. Learning and Continuous Improvement
  - 1.1.4. Active Involvement of the Pediatric Patient and his family
- 1.2. Pediatric Patient and Research. Clinical Trials
  - 1.2.1. Peculiarities of research in the pediatric patient
  - 1.2.2. Ethical aspects in pediatric research
  - 1.2.3. Pediatric patient safety research
- 1.3. Safety in the Hospitalized Pediatric Patient
  - 1.3.1. Adverse events in the hospitalized child
  - 1.3.2. Safety strategies in the hospitalized pediatric patient
  - 1.3.3. How to report an error
- 1.4. Safety in the Pediatric Surgical Process
  - 1.4.1. Pre-surgical reception. Preoperative safety
  - 1.4.2. Postoperative safety in the pediatric surgical patient
  - 1.4.3. Prevention of postoperative infections
- 1.5. Anesthetic Safety in Pediatrics
  - 1.5.1. Pediatric Perioperative Safety
  - 1.5.2. Safe Anesthesia in Major Outpatient Surgery
  - 1.5.3. Safe Sedation outside the Operating Room
  - 1.5.4. Pediatric Locoregional Anesthesia
- 1.6. Pain Management in Pediatrics
  - 1.6.1. Importance of Pain as a constant Fifth
  - 1.6.2. Pain Assessment in Pediatrics
  - 1.6.3. Procedures to reduce pain in the pediatric patient



- 1.7. Palliative Care in Pediatrics
  - 1.7.1. Home hospitalization in the pediatric palliative care patient
  - 1.7.2. Family and caregiver involvement in pediatric palliative care patient safety
  - 1.7.3. Safe use of medications in pediatric palliative care
- 1.8. Safety in Neonatology
  - 1.8.1. Differential aspects of the neonatal period
  - 1.8.2. Main Safety Risks in the Neonatal Unit
  - 1.8.3. Safe practices in neonatology
- 1.9. Safety in Functional and Ambulatory Tests
  - 1.9.1. Patient safety and risk in the setting of assistive testing
  - 1.9.2. Safe practices for the prevention of adverse events
  - 1.9.3. How to deal with an error
- 1.10. Safety in UCIP
  - 1.10.1. Critical Patient Safety Indicators
  - 1.10.2. Main Causes of the Production of Adverse Events
  - 1.10.3. Safety Culture and Action in the Face of Adverse Events



*Increase your employability by renewing your specialized skills in the field of pediatric patient safety”*

# 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

This Postgraduate Certificate in Pediatric Patient Safety 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”*

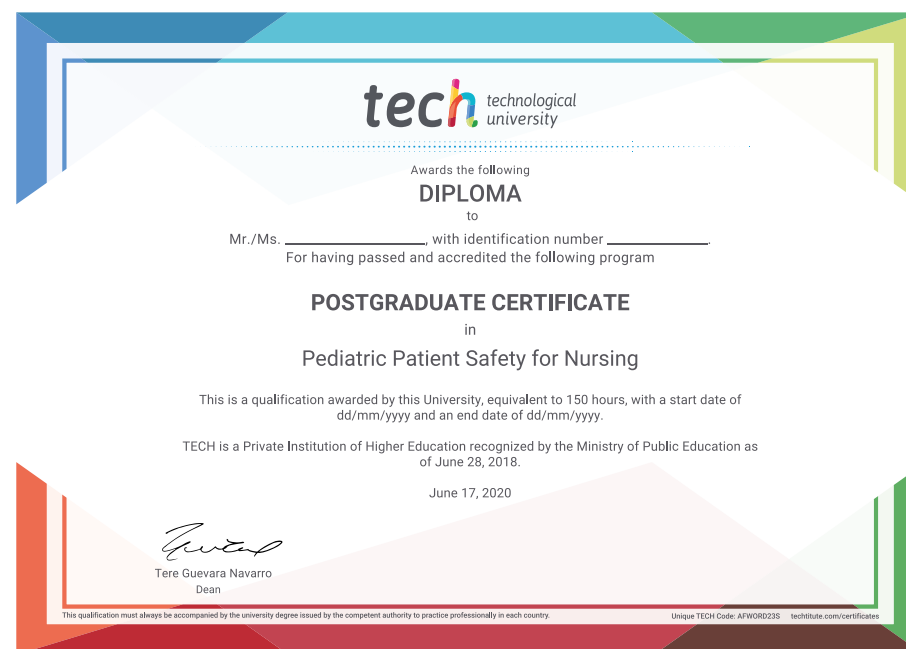
This **Postgraduate Certificate in Pediatric Patient Safety for Nursing** contains the most complete and up-to-date scientific on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The diploma 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 Pediatric Patient Safety for Nursing**

Official N° of Hours: **150 h.**



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



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



## Postgraduate Certificate

Pediatric Patient

Safety for Nursing

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

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