

Postgraduate Certificate

Safety of the Pediatric Patient





Postgraduate Certificate Safety of the Pediatric Patient

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

Website: www.techtitute.com/pk/medicine/postgraduate-certificate/safety-pediatric-patient

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01

Introduction

Safety of the Pediatric Patient is one of the main concerns in medicine today. Children are a vulnerable group and deserve specialized care that guarantees their well-being during any medical process. Although there are safety measures in health centers to avoid errors and reduce risks, it is necessary that health professionals are trained in the matter. For this reason, TECH has created a program that addresses the main aspects of safety in medical processes related to children. This is based on a 100% online academic option that allows physicians to effectively update and increase their knowledge in this field without worrying about relocations or strict schedules. All through advanced content, available from any digital device with Internet connection.





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Explore the latest advances and developments in the field of Safety of the Pediatric Patient, from clinical research to identifying risk situations in critically ill patients, so you can provide the best possible care for your patients”

The importance of Safety of the Pediatric Patient lies in the need to minimize the risks associated with medical procedures and ensure the well-being of children in the hospital setting. However, not all health care professionals have the knowledge and skills necessary to carry out this task. For this reason, it is essential to have a professional program that trains professionals in the field, providing them with the necessary tools and strategies to ensure the protection of the child patient.

This makes this program a perfect option for all health professionals who want to deepen their knowledge on this subject. The program's main objective is to provide students with a complete and updated training on Safety of the Pediatric Patient. The syllabus includes relevant aspects for the medical care of children such as safety in clinical trials, safety in surgical and anesthetic processes, pain management and palliative care in pediatrics, among other topics. In this way, the student will be able to apply the best practices in their professional practice, ensuring the safety of pediatric patients in any area of medical care.

The course will be taught through an online methodology, allowing the student to access the content at any time and from anywhere. Additionally, there will be a team of highly trained professionals in the field, who will provide the necessary support throughout the learning process. The completely online modality allows the necessary flexibility so that health professionals can update their knowledge and acquire new skills without interrupting their daily activities.

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

- ♦ Case studies presented by experts in of the Safety of the Pediatric Patient
- ♦ 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



Develop essential Safety of the Pediatric Patient skills and become a highly trained professional in the care and protection of the most vulnerable"

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This program will enable you to identify safety risks in especially vulnerable pediatric patients, allowing you to provide more effective and safer care"

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

The design of this program focuses on Problem-Based Learning, in which the professional will have to try to solve the different professional practice situations that will arise throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

Deepen your knowledge and become an expert in Safety of the Pediatric Patient.

Thanks to this program you will analyze the diagnostic processes and functional tests as generators of safety incidents in children, which will allow you to minimize the associated risks.



02 Objectives

The main objective of this 6-week Safety of the Pediatric Patient Postgraduate Certificate is to provide students with a thorough and comprehensive update of their knowledge in Safety of the Pediatric Patient. During the program, risk management, learning and continuous improvement will be explored, as well as the peculiarities of research in the pediatric patient, adverse events in the hospitalized child and palliative care. Additionally, students will have the opportunity to learn through case studies and a wide variety of didactic materials designed specifically for this program.





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At TECH, the main focus is you. Boost your career and specialize in the Safety of the Pediatric Patient industry with this program designed specifically for you"



General Objectives

- ♦ Analyze the importance of humanization in health care, the need for respect for life, human dignity and a comprehensive understanding of the person made vulnerable by illness
- ♦ Identify the situations and risk factors in the pediatric patient
- ♦ Determine the main preventive measures in place in Safety of the Pediatric Patient
- ♦ Substantiate the importance and guidelines of surgery safety in the public health field by defining a minimum set of measures
- ♦ Promote safe working environments for the patient and for professionals
- ♦ Promote research, innovation and training in patient safety
- ♦ Analyze the management of adverse events and improvement plans to avoid them
- ♦ Deepen the concepts, methods and strategies for improving patient safety in health care institutions
- ♦ Substantiate the best evidence on safety in biobanks and transfusion safety technologies
- ♦ Analyze patient safety strategies approached from different health care areas





Specific Objectives

- Acquire the ability to identify the pediatric patient as vulnerable
- Elaborate risk maps for the detection of 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 the child
- 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



In this course you will learn how to identify pediatric patients who are especially vulnerable, which will allow you to provide them with more effective and safer care"

03

Course Management

The Postgraduate Certificate in Safety of the Pediatric Patient, taught by TECH, comprehensively addresses the most relevant issues regarding Safety of the Pediatric Patient. This program has a highly qualified team with extensive experience in the sector, which will offer the best tools for the student in the development of their skills during the program. This program focuses on providing the necessary tools to identify and prevent the risks associated with the care of pediatric patients, including patients in clinical trials and hospitalized patients. Additionally, it delves into the safety of pediatric patients in the intensive care unit, where patients are in critical situations and require specialized and precise care.



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This program is designed to equip health care professionals with the knowledge necessary to provide high quality, effective and safe care, and therefore avoid potential adverse events that may affect their health"

Management



Dr. Paredes Esteban, Rosa María

- ♦ Head of Service and Director of the Pediatric Surgery Clinical Management Unit of the university Reina Sofia Hospital of Córdoba
- ♦ Specialist in Pediatric Surgery at Reina Sofia University Hospital of Cordoba
- ♦ Specialist in Pediatric Surgery at Jaén Medical-Surgical Hospital
- ♦ Responsible for Pediatric Surgery Training at the Reina Sofia University Hospital of Córdoba
- ♦ Coordinator of the Bioethics Commission of the Spanish Society of Pediatric Surgery
- ♦ Vice-President of the Ethics Committee of the province of Córdoba
- ♦ Coordinator of the Vascular Anomalies Committee of the Reina Sofia University Hospital of Córdoba
- ♦ Living Donor Transplant Bioethics Committee Coordinator
- ♦ Doctor of Medicine and Surgery from the University of Granada
- ♦ Graduate in Medicine and Surgery from the University of Granada
- ♦ Postgraduate Certificate 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
- ♦ Members: European Society of Pediatric Endoscopic Surgery, Spanish Society of Pediatric Surgery, Editorial Committee of the Spanish Society of Pediatric Surgery Journal, Scientific Evaluation Committee of the Spanish Society of Pediatric Surgery

Dr. Rumbao Aguirre, José Manuel

- ♦ Head of the Pediatrics Department of the Reina Sofia Hospital
- ♦ 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 Pediatrics at the Faculty of Medicine of Córdoba
- ♦ Pediatrics Resident Tutor at the Reina Sofia Hospital in Cordoba
- ♦ Master's Degree in Medical Direction and Clinical Management
- ♦ Postgraduate Certificate in Patient Safety
- ♦ Graduate in Medicine and Surgery, University of Cordoba

Ms. Ruiz Palomino, Aurora

- ♦ Pediatric Nurse Specialist
- ♦ Associate Professor of Nursing Degree at the University of Cordoba
- ♦ Official Master's Degree in Social and Cultural Gerontology from the University of Jaén
- ♦ 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 Metabolism and Research Unit of the Reina Sofia University Hospital in Cordoba
- ♦ Pediatric Specialist Professor of Pediatrics at the Faculty of Medicine from the University of Cordoba
- ♦ Doctor in Medicine from the University of Córdoba
- ♦ Graduate in Medicine and Surgery from the University of Cordoba

Dr. Barragán Vives, Vicente

- ♦ Specialist in Preventive Medicine and Public Health from the Reina Sofia University Hospital
- ♦ Graduate of Medicine from the University of Seville,
- ♦ Expert in Data Management and Quality and Patient Safety

Ms. Continente Bermudo, Cristina Isabel

- ♦ Pediatric Nurse at the Reina Sofia University Hospital in Cordoba
- ♦ Graduate in Nursing from the University of Cordoba
- ♦ Specialist in Family and Community Nursing
- ♦ Specialist in Pediatric Nursing at Reina Sofia University Hospital
- ♦ Master's Degree in Proactive Nursing Care from the Catholic University of Avila
- ♦ Postgraduate Diploma in School Nursing from the International University of La Rioja

Ms. González Zurita, Ana Isabel

- ♦ Supervisor of the Pediatric Surgery UGC of the Reina Sofía University Hospital Graduate in Nursing from the University of Córdoba
- ♦ Teacher of the Nursing Care Course in the Hospitalized Pediatric Patient
- ♦ Master's Degree in Pharmacotherapy for Nursing by the Faculty of Nursing and Podiatry of the University of Valencia
- ♦ 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 Martínez, Jesús

- ♦ Head of Section in Pediatric Anesthesiology at the Reina Sofia Hospital in Cordoba
- ♦ Coordinator of the surgical block of the Maternal-Infant Hospital
- ♦ Clinical tutor attached to the department of medical-surgical specialties of the University of Cordoba
- ♦ Tutor of Training Residents in Anesthesiology and Resuscitation at the Reina Sofia Hospital in Cordoba
- ♦ Doctor of Medicine from the University of Cordoba
- ♦ Graduate in Medicine and Surgery, University of Cordoba

Ms. Álvaro Sánchez, Ester

- ♦ Nurse in Pediatric UCI at Reina Sofia University Hospital of Cordoba
- ♦ Pediatric Nurse Specialist at the Reina Sofia University Hospital
- ♦ Graduate in Nursing from the University of Salamanca
- ♦ Postgraduate Diploma in School Nursing by the UNIR
- ♦ Postgraduate Diploma in Nursing Leadership Nightingale Challenge by UNIR

Dr. Vallejo Cantero, Francisco Javier

- ♦ Head of the Anesthesiology and Resuscitation Department at the Reina Sofia University Hospital of Córdoba
- ♦ 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
- ♦ Anesthesiological assistance to the Transplant program of the Reina Sofia Hospital
- ♦ Preferred care work 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

Dr. Benítez Muñoz, Helga María

- ♦ FEA in the Pediatric Palliative Care Unit of the Pediatrics Service of the Reina Sofia University Hospital 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
- ♦ Official Master's Degree in Pediatric Palliative Care from the International University of La Rioja
- ♦ Degree in Medicine from the University of Seville

Ms. Sánchez Reyes, Marta

- ♦ Nurse in Pediatric Palliative Care at Reina Sofia University Hospital of Cordoba
- ♦ Pediatric Nurse Specialist
- ♦ Master's Degree in specialized care in Pediatrics from the University of Valencia
- ♦ Master's Degree in Specific Health Center Management from the University of Valencia
- ♦ Specialist in Emergency Nursing and Outpatient Emergencies from the European University of Madrid

Ms. Casares Landauro, Laura

- ♦ Coordinator of the Early Childhood Care Center of the San Juan de Dios Hospital in Cordoba
- ♦ Teacher of Hearing and Language by the Sacred Heart Teacher Training School, a center attached to the University of Cordoba
- ♦ Degree in Pedagogy from the University of Granada
- ♦ Master's Degree in Business Administration, specializing in Health care Management from IMF Business School of the University of Nebrija
- ♦ Master's Degree in Early Childhood Care from the University of Granada
- ♦ Master's Degree in Research Designs and Applications in Psychology and Health from the University of Granada

Mr. Montero Yéboles, Raúl

- ♦ Pediatric Specialist
- ♦ Specialist in Pediatrics at the Salamanca University Hospital
- ♦ Subspecialty in PICU
- ♦ Professor in the Master's Degree 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*)
- ♦ Doctor in Pediatrics by the University of Salamanca
- ♦ Master's Degree in International Cooperation from the Complutense University of Madrid
- ♦ Specialization Diploma in Bioethics from the University of Granada
- ♦ Degree in Medicine from the Complutense University of Madrid



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

The syllabus for this Postgraduate Certificate has been developed by a team of highly trained Safety experts in the field, ensuring that graduates have access to a comprehensive syllabus covering the latest tools in quality, safety, care, strategies and research. Additionally, this module is specific enough for them to know everything they need to know for proper pediatric patient care. To further enhance the learning experience, innovative teaching materials have been provided that students can conveniently access anytime, anywhere.





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TECH provides you with the most up-to-date knowledge on the key procedures in developing a Patient Safety Plan with a comprehensive and detailed syllabus"

Module 1. Safety of the Pediatric Patient

- 1.1. Safety of the Pediatric Patient
 - 1.1.1. Safety of the Pediatric Patient
 - 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. Safety of the Pediatric Patient 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. Preoperative Welcome. Preoperative Safety
 - 1.4.2. Safety in the Postoperative Period of 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. Assessment of Pain 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. Involvement of Family Members and Caregivers in the Safety of the Pediatric Palliative Care
 - 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

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Update your knowledge in quality and Patient Safety in health care facilities with this highly comprehensive program designed to offer you the best training available"

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 we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning 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, trying to recreate the real conditions in the physician's professional 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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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 the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 highly 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.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and 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 the videos as many times as you like.



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 on the usefulness of learning by observing experts. The system known as 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 safety of the Pediatric 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 Safety of the Pediatric Patient** 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 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 Safety of the Pediatric 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.



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- » Duration: 6 weeks
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- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Postgraduate Certificate

Safety of the Pediatric Patient

