

Postgraduate Certificate Pediatric Respiratory Emergencies for Nursing





Postgraduate Certificate Pediatric Respiratory Emergencies for Nursing

- » Modality: online
- » Duration: 8 weeks
- » Certificate: TECH Global University
- » Credits: 8 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/nursing/postgraduate-certificate/pediatric-respiratory-emergencies-nursing

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01

Introduction

This program contains the latest advances in nursing procedures for respiratory emergencies in critically ill pediatric patients, with the aim of guaranteeing good professional practice and improving the prognosis of critically ill children. Through this program, students will be able to update their knowledge in a practical way, 100% online, based on the latest scientific evidence and adapting the learning process to their own needs.





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This course addresses the main advances in nursing interventions in pediatric patients with emergency respiratory pathologies to improve survival and comorbidity. Learn how to identify critical situations in pediatric patients and improve critically ill children's prognosis”

Pediatric patients admitted to the emergency department for respiratory pathologies require specialized and quality care. Specifically, respiratory diseases in children are one of the pathologies with the highest rate of care in the emergency department, so a rigorous and precise action by nursing professionals is essential to improve the child's prognosis.

Undoubtedly, it is necessary for nursing professionals to be constantly up to date in their knowledge of paediatric respiratory pathologies and the management of children in emergency situations, in order to provide appropriate care and interventions, always based on the latest scientific evidence.

This Postgraduate Certificate includes the latest developments on pediatric emergency department organization, the process of triage of patients according to their severity, and the need for the management of specific techniques to treat the various life-threatening respiratory emergencies in pediatric patients.

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

- ◆ Clinical cases presented by experts in the different specialties. The graphic, schematic, and practical contents with which they are created, provide provide scientific and healthcare information on those medical disciplines that are essential to professional practice
- ◆ Update on the techniques performed on pediatric patients with accidental injuries by nursing professionals
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ All of this will be complemented by 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



Update your knowledge through this Postgraduate Certificate in Pediatric Respiratory Emergencies for Nursing in a practical way and adapted to your needs"

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This Postgraduate Certificate is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge in Pediatric Respiratory Emergencies for Nursing, you will obtain a qualification from TECH Global University"

Forming part of the teaching staff is a group of professionals in the field of pediatric emergencies, who bring to this training their work experience, as well as renowned specialists recognized by esteemed scientific communities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professionals a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

This program is designed around Problem-Based Learning, whereby nursing professionals must try to solve the different professional practice situations that arise throughout the program. For this reason, you will be assisted by an innovative, interactive video system created by renowned experts in the field of pediatric emergencies with extensive teaching experience.

This course allows training in simulated environments, which provide immersive learning programmed to train for real situations.

It includes clinical cases to bring the development of the program as close as possible to the reality of nursing care.



02

Objectives

This program's main objective is the development of theoretical and practical learning, so nursing professionals can practically and rigorously master the interventions and techniques in emergency pediatric patients.



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This updated program will provide you with the skills to act safely in the performance of nursing practice, which will help you grow personally and professionally”



General Objective

- Update nursing professionals on the different techniques and procedures in the management of patients with respiratory pathologies in the pediatric emergency department, as well as the approach to the different respiratory diseases in the different pediatric age groups: newborns, older children and adolescents



Seize the opportunity and take the leap to get up to date on the latest developments in Pediatric Respiratory Emergencies for Nursing”





Specific Objectives

- Describe the procedures that nurses can perform to safely resolve potentially dangerous situations
- Carry out the correct sequence of basic cardiopulmonary resuscitation maneuvers
- Carry out advanced cardiopulmonary resuscitation maneuvers according to the latest life support recommendations

03

Course Management

This program includes recognized, prestigious health professionals in its teaching staff, who develop their functions in the field of pediatric emergencies, and who pour their work experience into this up to date program. In addition, recognized specialist members of leading national and international scientific societies participate in its design and preparation.



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Learn the latest advances in nursing procedures for pediatric patients with emergency respiratory pathology from leading professionals”

International Guest Director

Dr. Todd Florin is a recognized Pediatric Emergency Physician and clinical epidemiologist, expert in Lower Respiratory Tract Infections in children, especially in the field of Bronchiolitis and Pneumonia. In addition, at international level, he is a leader in the use of biomarkers and predictive analysis to improve the diagnosis and treatment of these conditions.

In this way, he has served as Director of Research in Emergency Medicine at the Ann & Robert H. Lurie Children's Hospital in Chicago. In addition, at the same hospital, he has directed the Grainger Research Program in Pediatric Emergency Medicine, where he has led key projects, such as the CARPE DIEM study (Catalyzing Ambulatory Research in Pneumonia Etiology and Diagnostic Innovations in Emergency Medicine), a pioneering investigation of community-acquired pneumonia, as well as other global studies, such as PERN, focused on understanding the severity of pneumonia and the impact of COVID-19 in children.

Dr. Todd Florin has also received numerous awards for his outstanding medical and research work, including the Young Investigator Award from the Academic Pediatric Association, and has been recognized for his research leadership and mentorship at renowned institutions such as Cincinnati Children's Hospital Medical Center. His vision of combining translational science with clinical care has driven significant advances in the management of Pediatric Respiratory Infections.

In fact, his work has been endorsed by prestigious institutions such as the National Heart, Lung and Blood Institute and the National Institute of Allergy and Infectious Diseases. In addition, his focus on Precision Medicine has transformed the way Respiratory Infections in children are managed, contributing to the reduction of unnecessary antibiotic use.



Dr. Florin, Todd

- ♦ Director of Emergency Medicine Research, Ann & Robert H. Lurie Children's Hospital, Chicago, United States.
- ♦ Chief of the Grainger Research Program in Pediatric Emergency Medicine at Ann & Robert H. Lurie Children's Hospital
- ♦ Assistant Physician, Division of Emergency Medicine, Ann & Robert H. Lurie Children's Hospital
- ♦ Principal Investigator of the Catalyzing Ambulatory Research in Pneumonia Etiology and Diagnostic Innovations in Emergency Medicine Study (CARPE DIEM)
- ♦ Director of Strategy and Operations at the Society for Pediatric Research
- ♦ Specialist in Pediatric Emergency Medicine at the Children's Hospital of Philadelphia
- ♦ Doctor of Medicine from the University of Rochester
- ♦ Master's Degree in Clinical Epidemiology from the University of Pennsylvania
- ♦ B.A. in Music from the University of Rochester
- ♦ Young Investigator Award from the Academic Pediatric Association
- ♦ Member of:
 - ♦ Academic Pediatric Association
 - ♦ American Academy of Pediatrics
 - ♦ Pediatric Infectious Diseases Society
 - ♦ Society for Academic Emergency Medicine
 - ♦ Society for Pediatric Research



Thanks to TECH, you will be able to learn with the best professionals in the world"

Management



Ms. Roldán del Amo, Adela

- ♦ University Diploma in Nursing. University School of Nursing Nuestra Señora de los Desamparados of Valencia.
- ♦ Specialist Nurse in Pediatric Nursing
- ♦ Pediatric Nurse in the Pediatric Hospitalization Unit 9 de Octubre NISA Hospital
- ♦ University Professor in: Diploma in Neonatal Nursing and Neonatal Intensive Care CEU– Cardenal Herrera University. Moncada. Valence
- ♦ University Professor in: First Aid, Cardiopulmonary Resuscitation and Emergency Situations CEU– Cardenal Herrera University. Moncada. Valence

Professors

Ms. López Ruiz, María Amparo

- ♦ Degree in Medicine and Surgery. University of Valencia
- ♦ Pediatric Services 9 de Octubre NISA Hospital. Valence
- ♦ Postgraduate course director: Diploma in Neonatal Nursing and Neonatal Intensive Care at CEU Cardenal Herrera– Moncada University (Valencia) and NISA Hospitals Foundation (Valencia)

Ms. Lospitao Gómez, Sara

- ♦ Nurse, Intensive Care Medicine Department, Hospital Universitario de Fuenlabrada, Madrid
- ♦ Cardiac Surgery Post-Surgical Intensive Care Unit (PCU) 12 de Octubre Hospital
- ♦ Coronary Intensive Care Unit 12 de Octubre Hospital
- ♦ Master's Degree in Critical Care Rey Juan Carlos University I
- ♦ Collaborating researcher in the multicenter study entitled



Ms. Alfaro Ramírez, Concepción

- ◆ Diploma in Nursing. Catholic University of Valencia (UCV)
- ◆ Specialist Nurse in Pediatric Nursing
- ◆ Pediatric Emergency Services Supervisor 9 de Octubre Hospital NISA Valence
- ◆ University Professor in: Diploma in Neonatal Nursing and Neonatal Intensive Care CEU – Cardenal Herrera University Moncada. Valence
- ◆ Lecturer in Child Nutrition Course at Fundación Hospitales Nisa

Ms. Antón García, Gema

- ◆ University Diploma in Nursing (D.U.E.). Alicante University School of Nursing
- ◆ Obstetrics Nurse in Elche University General Hospital). Clinical Practice Tutor
- ◆ Professional experience in childbirth and neonatology

D. Mora Rivero, Jorge

- ◆ Degree in Nursing from the University of Alicante
- ◆ Master's Degree in Nursing Sciences
- ◆ Emergency Nurse at the General University Hospital of Elche(Alicante, Spain) Clinical Practice Tutor
- ◆ Professional teaching experience in University Masters and Postgraduate Courses
- ◆ Postgraduate Diploma in Primary Care Emergencies
- ◆ Degree in Emergency Medical Transportation (SAMU)

Ms. Balboa Navarro, Ana

- ◆ Emergency Nurse the General Hospital of Elche(Alicante)
- ◆ Specialist Nurse in Pediatric Nursing
- ◆ Master's Degree in Nursing Sciences
- ◆ Instructor of Basic Life Support and Advanced Cardiovascular Life Support at the Spanish Society of Emergency Medicine and American Heart Association (SEMES-AHA).
- ◆ Pediatric and neonatal CPR instructor with the Spanish Group of Pediatric and Neonatal CPR
- ◆ Advanced Provider of "International Trauma Life Support" of SEMES-ITLS
- ◆ APLS credential (American Academy of Pediatrics and American College of Emergency Physicians).
- ◆ Professional teaching experience in University Masters and Postgraduate Courses





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The leading professionals in the field have come together to offer you the most comprehensive knowledge in this field, so that you can develop with total guarantees of success"

04

Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of professional development in daily nursing practice in the care of children in emergency situations, aware of the relevance of current expertise to be able to act in front of the patient and committed to quality teaching through new educational technologies.





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This Postgraduate Certificate in Pediatric Respiratory Emergencies for Nursing, contains the most complete and up to date scientific program on the market”

Module 1. Health Care Organization for Common Pediatric Emergencies

- 1.1. Equipment in the Pediatric Emergency Department (PED)
 - 1.1.1. Differential Characteristics of PEDs
 - 1.1.2. Infrastructure, Staffing
 - 1.1.3. Material
- 1.2. Triage in Pediatrics
 - 1.2.1. Definition
 - 1.2.2. Classification Systems
- 1.3. Transport of Critical Pediatric Patient. In-hospital Transfer, Out-of-Hospital Transfer and ISOBAR
- 1.4. Neonatal and Pediatric Transportation

Module 2. Respiratory Emergencies

- 2.1. Respiratory Pathology in Recent Newborns
 - 2.1.1. Incomplete Pulmonary Fluid Reabsorption Syndrome
 - 2.1.2. Meconium Aspiration Syndrome
 - 2.1.3. Hyaline Membrane Disease
 - 2.1.4. Pneumothorax
 - 2.1.5. Pneumonia
 - 2.1.6. Apnea in Newborns
- 2.2. Airway Diseases
 - 2.2.1. Acute Pharyngotonsillitis
 - 2.2.2. Laryngitis or Croup
 - 2.2.3. Spasmodic Croup
 - 2.2.4. Otitis
 - 2.2.5. Sinusitis
- 2.3. Community-Acquired Pneumonia (CAP)
 - 2.3.1. Diagnosis
 - 2.3.2. Hospital Admission Criteria
 - 2.3.3. Latest Advances in Treatment





- 2.4. Managing a Child with a Persistent Cough Chronic cough
 - 2.4.1. Etiology
 - 2.4.1.1. Persistent Bacterial Bronchitis
 - 2.4.1.2. Asthma
 - 2.4.1.3. Gastroesophageal Reflux, etc.
 - 2.4.2. Treatment
- 2.5. Caring for Asthmatic Children
 - 2.5.1. Clinical Diagnosis. Functional Diagnosis
 - 2.5.2. Pharmacological Treatment. Non-Pharmacological Treatment
 - 2.5.3. Health Education
- 2.6. Inhalation Techniques Oxygen Therapy
- 2.7. Thoracentesis and Chest Tube Placement
- 2.8. Forced Spirometry Bronchodynamic Tests FEM

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A unique, key, and decisive educational experience to boost your professional development”

05 Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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

At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the real conditions in professional nursing practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



The nurse will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

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

With this methodology we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

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

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



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

Certificate

The Postgraduate Certificate in Pediatric Respiratory Emergencies for Nursing 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 **Postgraduate Certificate in Pediatric Respiratory Emergencies for Nursing** 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: **Postgraduate Certificate in Pediatric Respiratory Emergencies for Nursing**

Modality: **online**

Duration: **8 weeks**

Accreditation: **8 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.

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



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Pediatric Respiratory
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