

Postgraduate Diploma Pediatric Emergencies





Postgraduate Diploma Pediatric Emergencies

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

Website: www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-pediatric-emergencies

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Introduction

Acute and urgent health problems affecting the pediatric population are diverse, constituting a specialized practice in terms of the establishment of specific treatments and the use of specific medications. High fever, dehydration due to vomiting or diarrhea, trauma, respiratory difficulties, burns or chest pains are some of the main causes for which parents take their children to the doctor. However, cardiac problems, although less frequent, can also occur, so the specialist must always be prepared to assist in all types of situations. For this reason, this program's Postgraduate Certificate course is perfect for all those professionals who are looking for a dynamic and avant-garde update of their practice. With its convenient 100% online format, students will be able to implement the most sophisticated techniques in pediatric emergency care to their clinical strategies in just 6 months of academic experience from wherever they are.





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Would you like to update your clinical practice in pediatric emergency care, but don't have time to attend classes in person? Then this 100% online Postgraduate Diploma is perfect for you”

Pediatric emergencies can be described through a series of common consultations such as burns, febrile convulsions, trauma, respiratory difficulties, chronic vomiting and diarrhea, abdominal pains, etc. However, there are some cases that, although fortunately do not occur so frequently, determine the care capacity of a clinical center, based on the speed with which they are dealt with, as well as the austerity with which it is determined what is happening to the child and, therefore, a treatment can be established according to their needs. In this type of situation, cardiac insufficiencies or anomalies, those related to the endocrine system or severe gastrointestinal disorders stand out.

In all these situations, the specialist must know how to act, since every minute counts, in addition to the fact that it can be essential to save a life. For this reason, TECH has developed a complete program that includes, precisely, the latest developments related to the specialized care of the emergency physician in the pediatric area. In this way, the graduate will have access to 540 hours of the best theoretical, practical and additional content which has been designed by a team of the highest prestige in this field. The program includes, in addition to a tour of the most frequent causes of consultation, an exhaustive analysis of the latest developments related to cardiology and gastroenterology.

The specialist will have 6 months to overcome all the requirements of this academic experience in which, in addition to the best syllabus, they will find hours of diverse and multidisciplinary additional material such as detailed videos, research articles, complementary readings, dynamic summaries, self-knowledge exercises and much more. Moreover, as an added value, this content can be downloaded to any device with an Internet connection, giving the student the possibility to access it when they do not have coverage and once the time limit of this Postgraduate Diploma has expired.

This **Postgraduate Diploma in Pediatric Emergencies** 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 Pediatrics and Primary Care
- ♦ 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



The best program in the current academic context to bring you up to date in pediatric cardiology emergency care protocols in just 6 months”

“ *You will be able to delve into the new strategies of CPR in Pediatrics and in the neonatal patient, so that you will not only be able to perform the maneuver, but also to direct it if necessary”*

The program's teaching staff includes professionals from the field who contribute their work experience to this educational 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 experts in the field of educational coaching with extensive experience.

You will work intensively on updating your knowledge in relation to the different causes that can cause febrile syndromes with hemorrhagic manifestations.

If you are looking for a program that includes the most common and innovative techniques and procedures in pediatric emergency medicine, this is the perfect academic option for you.



02 Objectives

The Pediatric Emergency Department is one of the most requested hospital and Primary Care areas in clinical services and is attended by millions of patients every day with various pathologies, such as cardiac, respiratory, traumatologic, viral, etc. For this reason, the objective of this program is none other than to provide the graduate with the latest information that will allow them to update their clinical practice according to the most avant-garde and effective clinical management strategies for each of these cases.





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The program includes a specific module focused on the complementary tests that have been developed lately and that you can request in case of suspected cardiac pathology”

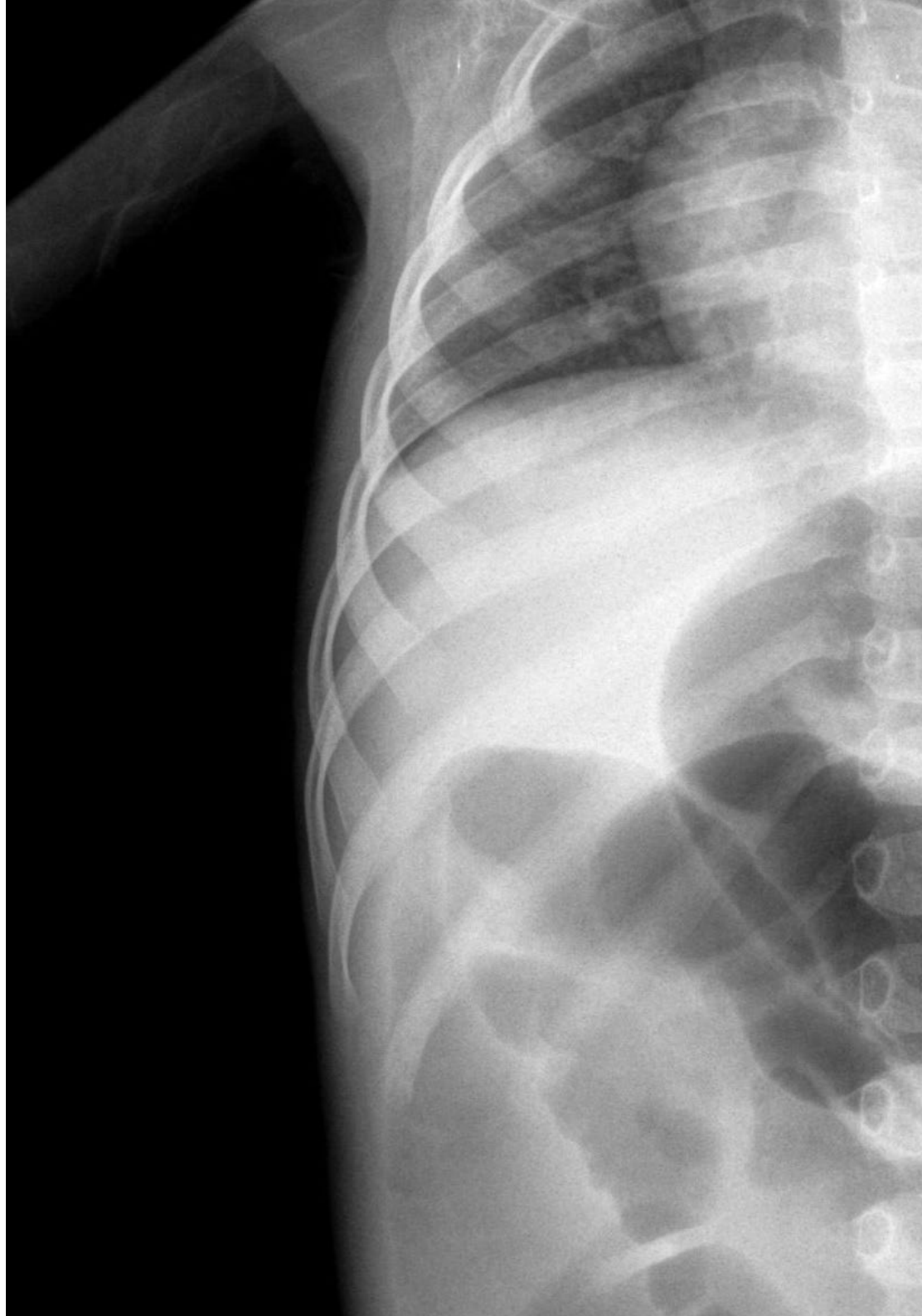


General Objectives

- Provide the graduate with the latest and most updated information related to Pediatric Emergencies, as well as on the clinical management of the main pathologies that are usually presented
- Update the clinical practice of the specialist based on the most avant-garde, sophisticated and technical medical strategies of current pediatric care



Through the resolution of real clinical cases, you will be able to perfect your skills in the clinical management of uncommon pathologies such as infective endocarditis or rheumatic fevers in pediatric patients”





Specific Objectives

Module 1. Pediatric Emergencies in Primary Care

- ♦ Describe the main emergency situations that can occur in pediatrics
- ♦ Apply correct pediatric and neonatal CPR
- ♦ Explain the procedure to follow in case of pediatric trauma or TBI
- ♦ Describe the basic fundamentals of analgesia and sedation in pediatrics
- ♦ Identify the differences between pediatric emergency situations and adult situations

Module 2. Cardiology

- ♦ Describe the main Cardiac alterations that can occur in childhood, as well as their etiology
- ♦ Define the “normal” cardiac parameters in children with the aim of detecting irregularities which need correcting
- ♦ Explain the appropriate treatment for childhood cardiac pathologies according to the age of the child and their general state

Module 3. Pediatric

- ♦ Identify the basic characteristics of the most common gastrointestinal alterations in pediatrics
- ♦ Describe the diagnostic process associated with gastrointestinal alterations in childhood
- ♦ Establish a differential diagnosis with the different related pathological entities
- ♦ Establish an appropriate treatment plan according to the pathology diagnosed
- ♦ Describe a plan for monitoring children with chronic with gastrointestinal alterations or with a potential chronic risk

03

Structure and Content

Both the structure and the content of this Postgraduate Diploma have been developed by TECH taking into consideration the criteria of the teaching team, which, being composed of the best specialists in Pediatric Care, knows in detail the keys to the most innovative and cutting-edge clinical strategies. All this, added to the quality and variety of the additional material, makes this academic experience the best, allowing the specialist to update their practice in only 6 months and in a totally online way.





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The use of the Relearning methodology in the development of this program will allow you to update your clinical practice without the need to invest extra hours in memorizing. Enroll now and check it out!"

Module 1. Pediatric Emergencies in Primary Care

- 1.1. Equipment in the Emergency Services
- 1.2. Basic Pediatric CPR
- 1.3. Advanced Pediatric and Neonatal CPR
- 1.4. Analgesia and Sedation
- 1.5. Acute Seizure and Status Convulsion
- 1.6. Febrile Syndrome with Hemorrhagic Manifestations
- 1.7. Cranio-Encephalic Trauma
- 1.8. Pediatric Initial Trauma Care (PITC)
- 1.9. Bacterial and Viral Meningitis
- 1.10. Anaphylaxis. Drug and Non-drug Intoxications
- 1.11. Apparently Lethal Syndromes
- 1.12. Burns and Wounds
- 1.13. Most Common Techniques and Procedures in Pediatric Emergency Departments 1
- 1.14. Most Common Techniques and Procedures in Pediatric Emergency Departments 2

Module 2. Cardiology

- 2.1. Assessment of Cardiac Murmur in the Child
- 2.2. Complementary Tests in the Child with Suspected Cardiac Pathology ECG, Chest X-Ray, Various Tests
- 2.3. Arrhythmias and Syncope
- 2.4. Heart Failure
- 2.5. Congenital Heart Disease
- 2.6. Arterial Hypertension
- 2.7. Rheumatic Fever
- 2.8. Myocarditis
- 2.9. Infectious Endocarditis
- 2.10. Pericardial Diseases in the Child



Module 3. Pediatric

- 3.1. Acute Abdominal Pain
- 3.2. Chronic Abdominal Pain
- 3.3. Congenital Hypertrophy of the Pylorus
- 3.4. Acute Diarrhea. Acute Dehydration. Acid-Base Balance Disorders
- 3.5. Celiac Disease
- 3.6. GERD
- 3.7. Constipation
- 3.8. Intestinal Parasitosis
- 3.9. Functional Foods, Intestinal Microbiotics and Probiotics
- 3.10. Hepatitis

“An ideal opportunity to get up to date on Emergency Cardiology and Pediatric Gastroenterology and to implement the most effective pharmacological and natural therapies for each case”



04

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. Gervas, 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.



05 Certificate

The Postgraduate Diploma in Pediatric Emergencies guarantees students, in addition to the most rigorous and up-to-date education program, access to a Postgraduate Diploma 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 Diploma in Pediatric Emergencies** 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.

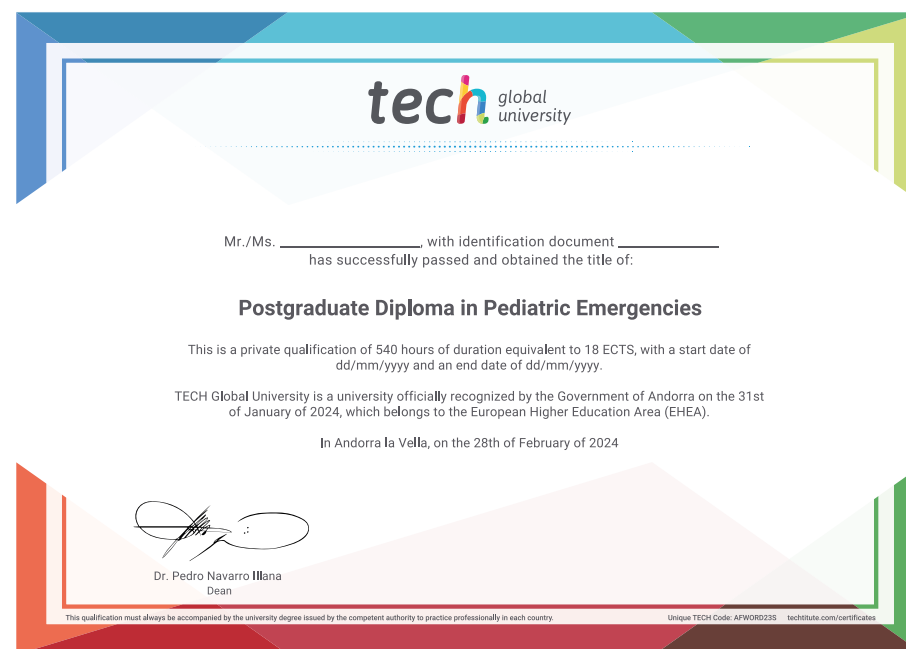
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Pediatric Emergencies**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



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

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



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

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