

# Postgraduate Certificate

## Physiotherapy in Pathological Patients in Early Pediatric Care





## Postgraduate Certificate Physiotherapy in Pathological Patients in Early Pediatric Care

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

Website: [www.techtute.com/us/physiotherapy/postgraduate-certificate/physiotherapy-pathological-patients-early-pediatric-care](http://www.techtute.com/us/physiotherapy/postgraduate-certificate/physiotherapy-pathological-patients-early-pediatric-care)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Structure and Content

---

*p. 12*

04

Methodology

---

*p. 16*

05

Certificate

---

*p. 24*

# 01

# Introduction

When dealing with children, it is essential to have the experience and tools required to identify the pathologies they suffer. In the field of physiotherapy for children, it is important to know the different health problems that can occur at this stage, as well as the treatments that can be provided. For this reason, the program in Physiotherapy in Pathological Patients in Early Pediatric Care focuses on building the professional skills needed to specialize in the field, learning how to address some of the most common pathologies in infancy and how to implement the different techniques and treatments.





“

*A comprehensive and practical Postgraduate Certificate that will allow you to learn everything you need to work as a physiotherapist in early care in a realistic and direct way”*

Developmental pathologies in children are severe and long-lasting problems that can affect their adult life. That is why early intervention is the best way to prevent future problems. In this line, child physiotherapy seeks to provide treatment and care to newborns, children and adolescents who may need it, and to prevent future pathologies. It also trains parents to be able to continue with the exercises at home.

Based on the above, it is essential to have a program that encourages professionals to continue their studies in the field. With this in mind, the Postgraduate Certificate in Physiotherapy in Pathological Patients in Early Pediatric Care has been developed by experts in the field to delve into its most important aspects and provide students with the most updated knowledge.

This program will address the most common pathologies in pediatric patients and the related risk factors. Key elements such as etiology, pathophysiology, clinical manifestations and evolution will be addressed, along with some of the therapeutic intervention techniques.

The extensive experience of the teaching staff and their training in the field of child physiotherapy, both nationally and internationally, positions this program above others on the market, so graduates will have an excellent reference. Both the course manager and the professors on the program will put their knowledge and professional experience at the disposal of students in a practical manner. Therefore, this course will provide students with fast-track knowledge on all aspects related to Physiotherapy in Pathological Patients in Early Pediatric Care.

A 100% online Postgraduate Certificate that provides students with the ease of being able to study it comfortably, wherever and whenever suits them best. All you need is a device with Internet access to take your career one step further. A modality in keeping with the current times and all the guarantees to position physiotherapists in a highly demanded sector.

This **Postgraduate Certificate in Physiotherapy in Pathological Patients in Early Pediatric Care** offers the advantages of a high-level scientific, teaching, and technological program. These are some of its most notable features:

- ◆ The latest technology in online teaching software
- ◆ Intensely visual teaching system, supported by graphic and schematic contents, easy to assimilate and understand
- ◆ Practical cases presented by practicing experts
- ◆ State-of-the-art interactive video systems
- ◆ Teaching supported by telepractice
- ◆ Continuous updating and recycling systems
- ◆ Autonomous learning: full compatibility with other occupations
- ◆ Practical exercises for self-evaluation and learning verification
- ◆ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ◆ Communication with the teacher and individual reflection work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection
- ◆ Supplementary documentation databases are permanently available, even after the program



*Cutting-edge training created to propel you toward greater competitiveness in the job market”*

“

*An effective and reliable Postgraduate Certificate that will take you through an interesting learning process, so you acquire all the knowledge of an expert in the field"*

The program's teaching staff includes professionals from sector who contribute their work experience to this training 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 training programmed to train 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 academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts

*A unique opportunity to specialize and stand out in a highly in-demand sector for professionals.*

*With a real practical objective, this Postgraduate Certificate will allow you to achieve your educational goals while boosting your CV to a higher level of excellence.*



# 02 Objectives

This Postgraduate Certificate has been created from start to finish to be a tool for personal and professional growth for physiotherapists by providing them with deeper insight into the key medical advances in Physiotherapy in Pathological Patients in Early Pediatric Care. The knowledge poured into the syllabus will provide professionals with a global perspective and comprehensive training to achieve the the proposed objectives. Fully develop skills to identify the main pathologies in pediatric patients, as well as the risk they pose to proper development. To this end, TECH establishes a series of general and specific objectives to fulfill future graduates' expectations.







“

*Get up to date on all the latest developments in the field of physiotherapy by completing the most effective program on the subject available on the market"*



## General Objectives

---

- ◆ Facilitate specializing in Physiotherapy in Early Care
- ◆ Reinforce the importance of the role of the family
- ◆ Acquire extensive knowledge of normal and pathological development in children
- ◆ Describe the assessment and evaluation methods used in Early Care Physiotherapy
- ◆ Gain detailed knowledge of frequent childhood pathologies
- ◆ Recognize methods, techniques and tools used in Early Care treatments





## Specific Objectives

---

- ◆ Understand the main pathologies in pediatric patients (the cause, incidence and development of disease)
- ◆ Lay out the factors (prenatal, perinatal and postnatal) that may pose a risk to normal infant development
- ◆ Identify characteristic clinical signs and warning signs
- ◆ Address key elements in therapeutic intervention



*Highly specialized objectives in a qualification created to train the best professionals in Physiotherapy in Pathological Patients in Early Pediatric Care”*



# 03

## Structure and Content

The syllabus has been designed based on the principles of Physiotherapy in Pathological Patients in Early Pediatric Care, following the guidelines proposed by the teaching team of this program. As such, the syllabus consists of modules that offer a broad perspective on the muscular and sensory pathologies that children may suffer. From module 1, students will see their knowledge broadened, which will enable them to develop professionally, knowing that they can count on the support of a team of experts.



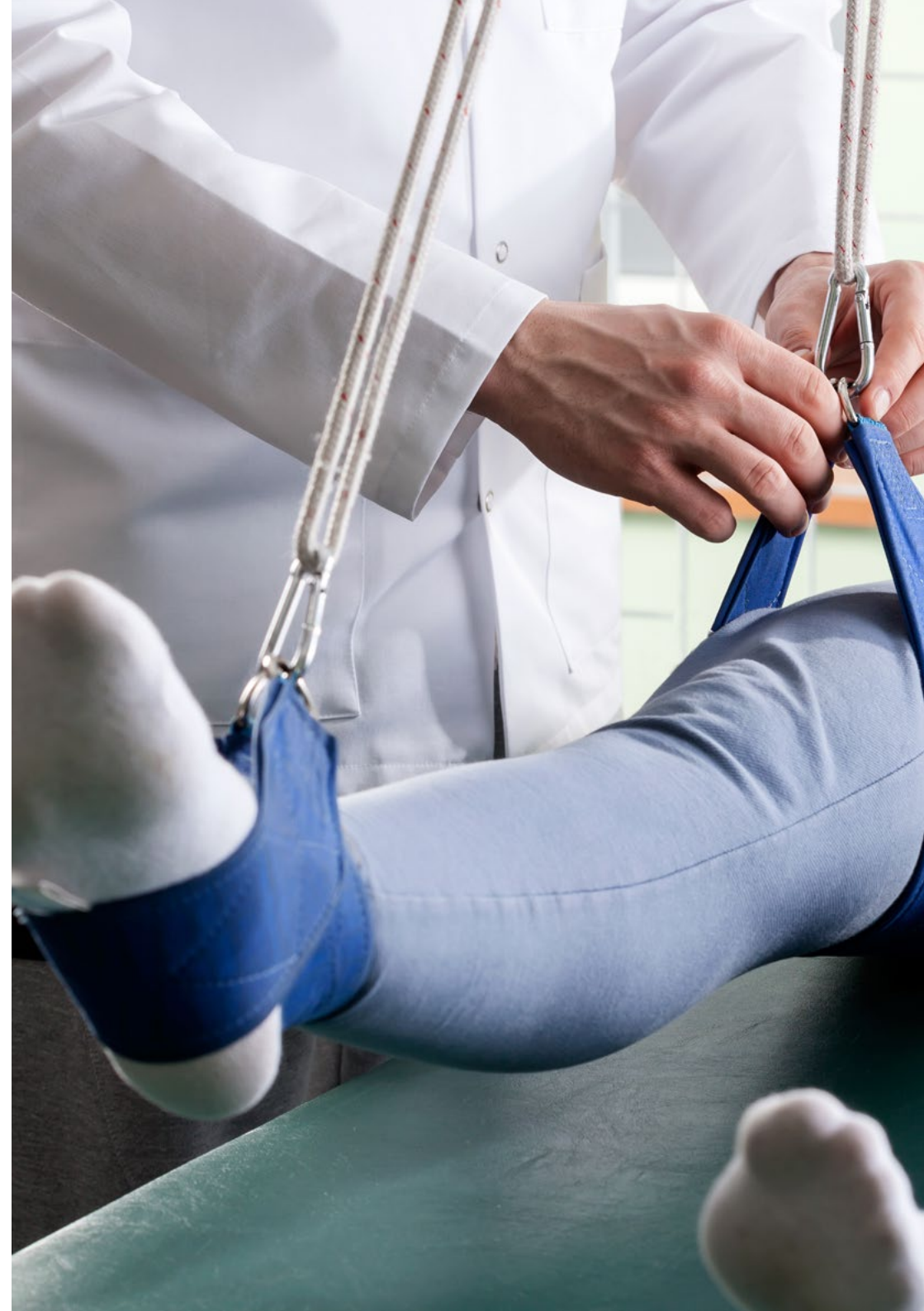


“

*A comprehensive and well-structured program that will take you to the highest standards of quality and success”*

## Module 1. Pathologies in Childhood

- 1.1. Critical Periods in Child Development and Cause of Childhood Pathology
- 1.2. Neuromuscular Diseases
  - 1.2.1. Etiology and Incidence
  - 1.2.2. Types
  - 1.2.3. Treatment
  - 1.2.4. Physiotherapy Treatment
- 1.3. Spinal Muscular Atrophy (SMA)
  - 1.3.1. Etiology and Incidence
  - 1.3.2. Types
  - 1.3.3. Treatment
  - 1.3.4. Physiotherapy Treatment
  - 1.3.5. Genetic Therapy
- 1.4. Congenital Muscular Torticollis and Plagiocephaly
  - 1.4.1. Etiology and Incidence
  - 1.4.2. Clinical Manifestations
  - 1.4.3. Treatment
  - 1.4.4. Physiotherapy Treatment
- 1.5. Spina Bifida and Obstetric Brachial Palsy
  - 1.5.1. Etiology and Incidence
  - 1.5.2. Clinical Manifestations
  - 1.5.3. Treatment
  - 1.5.4. Physiotherapy Treatment
- 1.6. Preterm Infants
- 1.7. Achondroplasia
  - 1.7.1. Etiology and Incidence
  - 1.7.2. Clinical Manifestations
  - 1.7.3. Treatment
  - 1.7.4. Physiotherapy Treatment





- 1.8. Arthrogyrosis
  - 1.8.1. Etiology and Incidence
  - 1.8.2. Clinical Manifestations
  - 1.8.3. Treatment
  - 1.8.4. Physiotherapy Treatment
- 1.9. Hearing and Visual Impairment
- 1.10. Congenital Heart Pathologies
  - 1.10.1. Etiology and Incidence
  - 1.10.2. Clinical Manifestations
  - 1.10.3. Treatment
  - 1.10.4. Physiotherapy Treatment

“

*A comprehensive teaching program, structured in well-developed units, oriented toward a high impact learning and training experience”*



# 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.







“

*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. Physiotherapists/kinesiologists 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 of professional physiotherapy practice.

“

*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. Physiotherapists/kinesiologists 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 physiotherapist/kinesiologist 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.



*The physiotherapist/kinesiologist 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 trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 our 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.



#### Physiotherapy Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. 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 unique multimedia content presentation training system 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 Certificate in Physiotherapy in Pathological Patients in Early Pediatric Care guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





“

*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in Physiotherapy in Pathological Patients in Early Pediatric Care** is the most complete and up-to-date scientific program 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 Physiotherapy in Pathological Patients in Early Pediatric Care**

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 quality

online tr

development lang

virtual classroom

**tech** technological  
university

**Postgraduate Certificate**  
Physiotherapy in Pathological  
Patients in Early Pediatric Care

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

# Postgraduate Certificate

## Physiotherapy in Pathological Patients in Early Pediatric Care

