

Postgraduate Diploma

Respiratory Physiotherapy in Early Pediatric Care





Postgraduate Diploma Respiratory Physiotherapy in Early Pediatric Care

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

Website: www.techtute.com/pk/physiotherapy/postgraduate-diploma/postgraduate-diploma-respiratory-physiotherapy-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

Since the mid-19th century, respiratory infections started becoming increasingly frequent due to wars and the great epidemics of the time. This led to the hasty development of therapeutic alternatives to improve conventional treatments. Pediatric respiratory physiotherapy seeks to prevent, cure or stabilize the different conditions that affect the respiratory system in children. For this reason, the program will provide students with the skills they require to improve their abilities in the diagnosis and treatment of these pathologies, with an excellent teaching staff that has extensive experience in respiratory therapies in children.



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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"

For many years, the respiratory system of children has been affected by different circumstances. Respiratory physiotherapy seeks to make up for the failure in this vital system's defense mechanisms. It is also used in some cases as a substitute for unnecessary or palliative pharmacological treatments. In children, it has multiple advantages, for example, it aims to educate children and their families on knowing how to implement appropriate techniques to release the airways.

Therefore, child physiotherapy seeks to treat respiratory pathologies in infants, children and adolescents that require functional reeducation linked to motor development. There are many traditional techniques such as stimulation methods, psychomotor skills, postural treatment or functional bandages. However, over the years, new alternatives for comprehensive care have been developed.

It is, therefore, essential to have professionals trained in this area who can offer their experience to improve the quality of children's respiratory systems. This high quality program will allow professionals to gain in-depth knowledge of physiotherapists work in Respiratory Physiotherapy in Early Pediatric Care. Throughout these months, students will acquire the knowledge required to work in Early Childhood Care, taking a deeper look into normal and pathological development in children, child pathology, assessment and treatment

What makes this program different from the rest is the collaborative work put into the different specialties that make up the theoretical and practical content, including up-to-date studies and analyses of Respiratory Physiotherapy in Early Pediatric Care. This Postgraduate Diploma seeks to guide physiotherapists through the functions required in Early Care, as well as to provide them with therapeutic tools and essential knowledge useful for professional work.

Likewise, students will be provided with the tools required to recognize respiratory pathologies and select adequate treatment, mastering the educational alternatives that have been developed in recent years.

This **Postgraduate Diploma in Respiratory Physiotherapy in Early Pediatric Care** offers the advantages of a high quality scientific, teaching, and technological program.

These are some of its most notable features:

- ♦ The latest technology in online teaching software
- ♦ A highly visual teaching system, supported by graphic and schematic contents that are 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"

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

Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which means a faster assimilation and a much more realistic view of the contents: “Learning from an Expert”

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.

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.



02 Objectives

This Postgraduate Diploma has been created from start to finish to be a tool for personal and professional growth for physiotherapists by gaining deeper insight into the key medical advances in respiratory physiotherapy in early care. The knowledge poured into the syllabus will provide professionals with a global perspective and comprehensive training to achieve the proposed objectives. Develop the ability to establish a diagnosis by recognizing respiratory pathology for its subsequent treatment. For this reason, TECH has established a series of general and specific objectives for the satisfaction of future graduates, as follows:



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With the expertise of professionals in the field who will teach you based on the reality of the sector in a contextual and realistic learning experience”



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



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





Specific Objectives

Module 1. Early Care

- ♦ Thoroughly know the evolution of physiotherapy in pediatrics
- ♦ Become familiar with Early Childhood Care and an Early Childhood Care center, its operations, management and professionals
- ♦ Thoroughly know and manage ODAT (Diagnostic Classification of Early Care) and the International Classification of Functioning, Disability and Health (ICF)
- ♦ Learn the importance of family involvement in early intervention and how to communicate with them
- ♦ Know the guidelines to manage psychological disorders in children

Module 2. Respiratory Physiotherapy in Pediatrics

- ♦ Adequately assess pediatric patients with respiratory pathology
- ♦ Recognize respiratory pathology and administer appropriate treatment
- ♦ Recognize the factors that may interfere with respiratory physiotherapy treatment
- ♦ Know the respiratory system in depth
- ♦ Learn how to correctly manage patients with respiratory pathology

Module 3. Physiotherapy in Primary Care

- ♦ Grasp the importance of natural environments and the new currents of intervention
- ♦ Master play in its different stages as an effective treatment tool
- ♦ Thoroughly know the most used techniques with the highest level of scientific evidence in the treatment of balance difficulties, standing, postural control, mobility, etc.
- ♦ Elaborate a standard session from the perspective of psychomotor skills
- ♦ Acquire knowledge of physiotherapy in the aquatic environment
- ♦ Identify the main technical and orthopedic aids for posture and mobility in childhood
- ♦ Delve deeper into the context of prematurity and the importance of accompaniment
- ♦ Present other specific and relevant methods for Physiotherapy in Early Care

03

Structure and Content

The syllabus has been designed based on the principles of Respiratory Physiotherapy in Early Pediatric Care, following the guidelines proposed by the teaching team. Thus, the curriculum consists of modules that offer a broad perspective of the treatments and pathologies suffered by infants. 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.





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The program includes a comprehensive syllabus that will show you all the key aspects of Respiratory Physiotherapy in children”

Module 1. Early Care

- 1.1. The Evolution of Physiotherapy Pediatrics
- 1.2. The Evolution of Child Development Theories
 - 1.2.1. The Main Theories of Motor Control
 - 1.2.1.1. Motor Programming Theory
 - 1.2.1.2. Systems Theory
 - 1.2.1.3. Action Theory
 - 1.2.2. Motor Learning
 - 1.2.3. The Main ICF Intervention Methods and Influence
 - 1.2.4. FBE
- 1.3. Early Childhood Care
 - 1.3.1. Early Childhood Care in Spain
 - 1.3.2. Legal Framework
 - 1.3.3. The White Book on Early Care
- 1.4. Early Care Centers
- 1.5. Early Care in Schooling
 - 1.5.1. Early Care in the First Cycle of Early Childhood Education
 - 1.5.2. Early Care in Second Cycle of Early Childhood Education
- 1.6. ICF
- 1.7. ODAT
 - 1.7.1. Introduction to ODAT: What It Is and What It Is for
 - 1.7.2. Distribution by Axes and Content
- 1.8. The Family and Its Involvement
- 1.9. Communication with the Family
- 1.10. Psychological Management in Children

Module 2. Respiratory Physiotherapy in Pediatrics

- 2.1. Evidence-Based Respiratory Physiotherapy
- 2.2. Bronchiolitis
- 2.3. Pneumonia
- 2.4. Atelectasis
- 2.5. Asthma
- 2.6. ORL
- 2.7. Respiratory Physiotherapy Assessment in Pediatrics
- 2.8. Techniques in Respiratory Physiotherapy
- 2.9. Respiratory Physiotherapy in Children Suffering from Neurological Disorders
- 2.10. Common Medication

Module 3. Physiotherapy in Early Care

- 3.1. Family-Centered Care
 - 3.1.1. Benefits of Family-Centered Care in Early Childhood Care
 - 3.1.2. Current Family-Centered Models
- 3.2. Play as a Therapeutic Method
 - 3.2.1. Game and Toy Proposals for 0-6 Month-Olds
 - 3.2.2. Game and Toy Proposals for 6-12 Month-Olds
 - 3.2.3. Game and Toy Proposals for 1-2 Year-Olds
 - 3.2.4. Game and Toy Proposals for 2-3 Year-Olds
 - 3.2.5. Game and Toy Proposals for 3-4 Year-Olds
 - 3.2.6. Game and Toy Proposals for 4-5 Year-Olds
 - 3.2.7. Game and Toy Proposals for 5-6 Year-Olds
- 3.3. Balance
 - 3.3.1. The Evolutionary Development of Balance
 - 3.3.2. Balance-Related Disorders
 - 3.3.3. Tools to Work on Balance



- 3.4. Aquatic Therapy
 - 3.4.1. Properties of Water
 - 3.4.2. Physiological Effects Caused by Immersion
 - 3.4.3. Aquatic Therapy Contraindications
 - 3.4.4. Evidence for Aquatic Therapy in Children with Disabilities
 - 3.4.5. Aquatic Therapy Methods: Halliwick, Water Specific Therapy (WST) and Bad Ragaz Ring Method
- 3.5. Orthopedic and Mobility Aids
 - 3.5.1. Lower Limb Orthoses
 - 3.5.2. Upper Limb Orthoses
 - 3.5.3. Mobility Aids
 - 3.5.4. Actions Performed by Physiotherapists
- 3.6. Sitting and Pelvic Seating
- 3.7. Psychomotor Skills
 - 3.7.1. Theoretical Framework of Psychomotor Skills
 - 3.7.2. Practical Application of Physiotherapy Sessions in Early Care
- 3.8. Physiotherapy in Premature Infants
- 3.9. Standing Programs
 - 3.9.1. The Evolutionary Development of the Hip
 - 3.9.2. Tools to Promote Standing
 - 3.9.3. Standing Programs
- 3.10. Other Therapies
 - 3.10.1. Bobath
 - 3.10.2. Vojta
 - 3.10.3. Shantala Massage
 - 3.10.4. Le Metayer



A Postgraduate Diploma with a methodological design based on proven teaching techniques”

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.





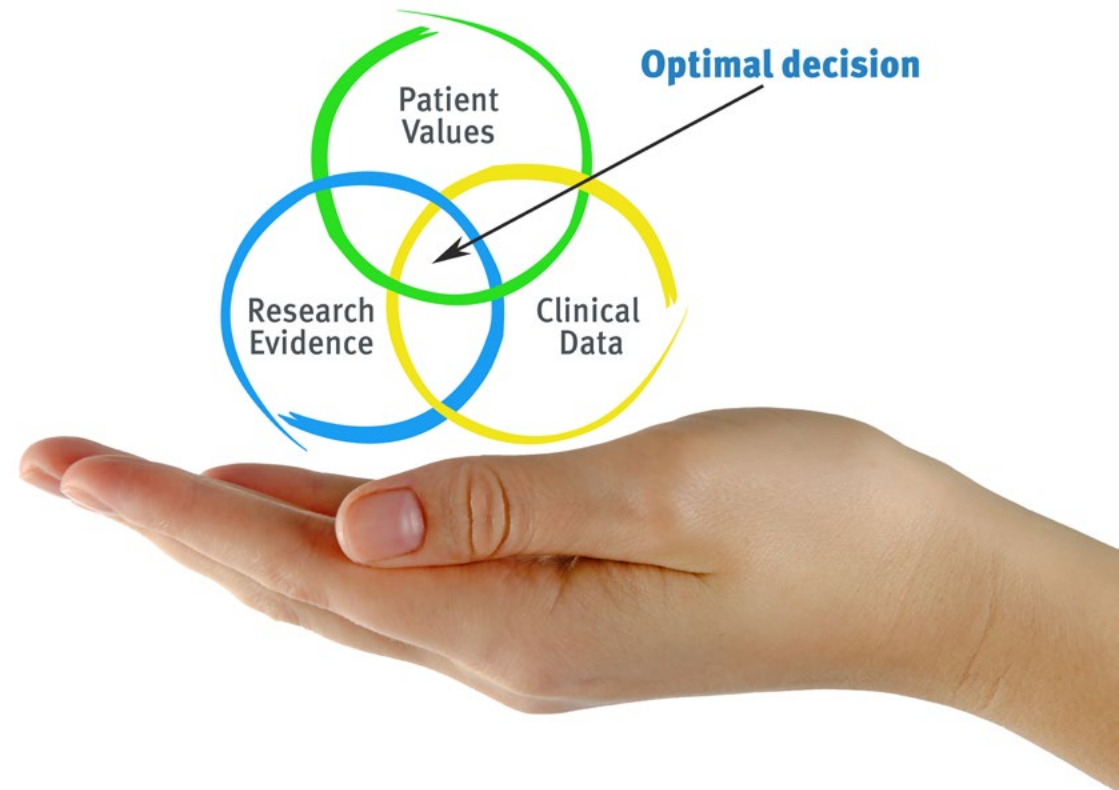
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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. 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. 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 of professional physiotherapy 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. 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.

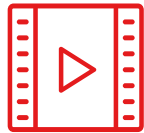
Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

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

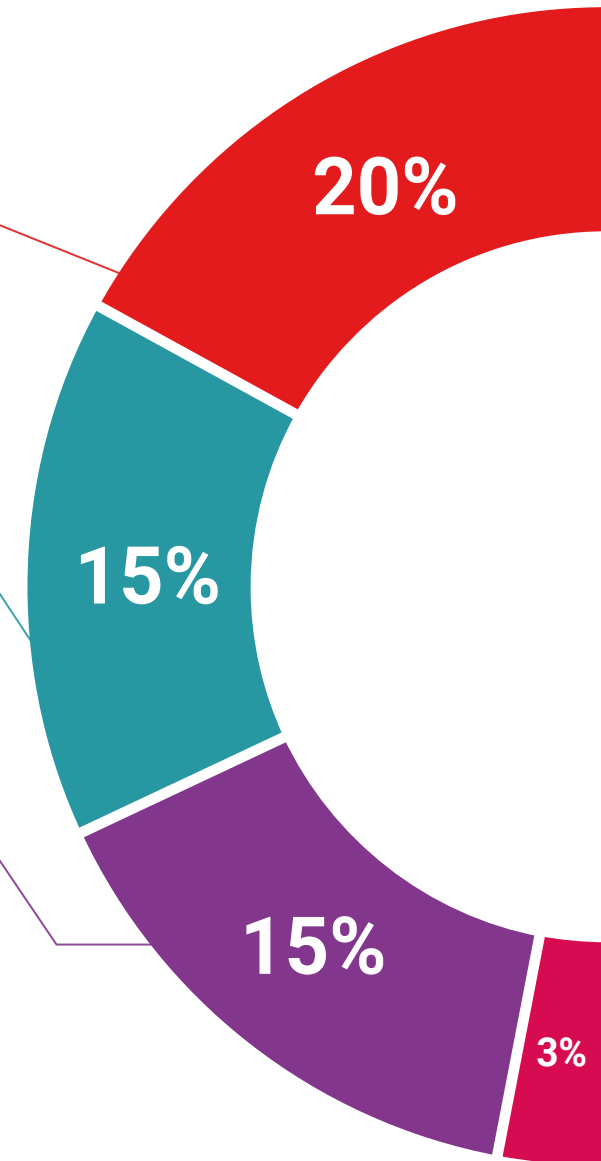
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

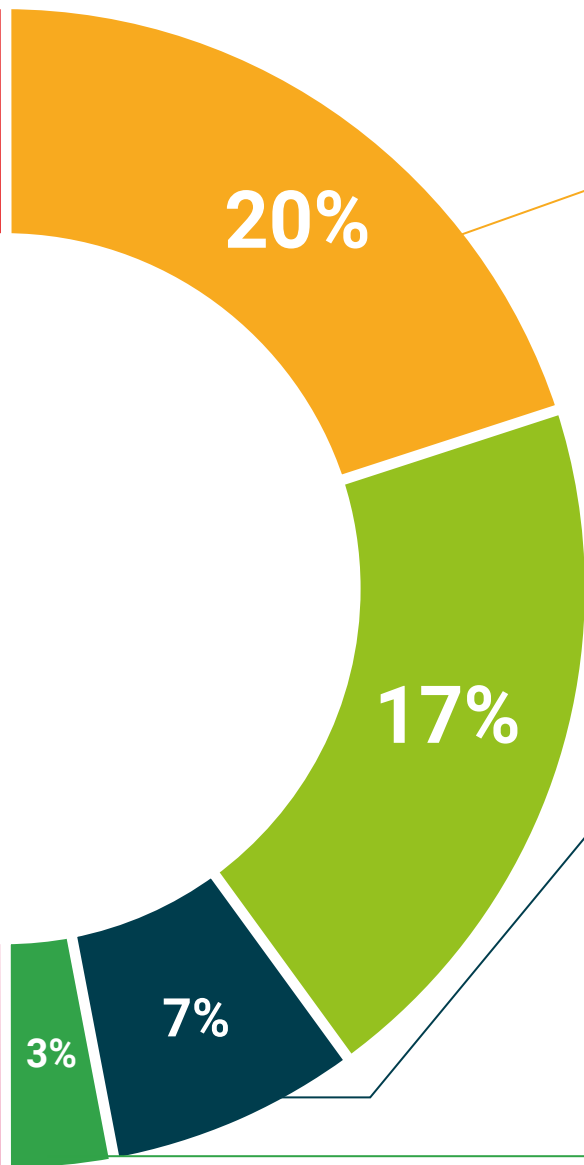
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 Diploma in Respiratory Physiotherapy in Early Pediatric Care guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Respiratory Physiotherapy in Early Pediatric Care** contains 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional from career evaluation committees.

Title: **Postgraduate Diploma in Respiratory Physiotherapy in Early Pediatric Care**

Official N° of Hours: **450 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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community commitment
personalized service innovation
knowledge present
online training
development languages
virtual classroom



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