

# Postgraduate Certificate

## Restrictive Respiratory Pathology





## Postgraduate Certificate Restrictive Respiratory Pathology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/physiotherapy/postgraduate-certificate/restrictive-respiratory-pathology](http://www.techtute.com/us/physiotherapy/postgraduate-certificate/restrictive-respiratory-pathology)

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# 01

# Introduction

With this intensive program the physiotherapist will know in depth the pathophysiological characteristics for its exploration and the correct and most effective treatment of restrictive pathologies. Throughout these weeks of training, you will learn to manage the necessary knowledge of the different pathologies, the difference between all restrictive pathologies and their therapeutic approach.





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*Get up to date in all the latest developments in the field of physiotherapy by completing the most effective Postgraduate Certificate in this field available on the market”*

Respiratory physiotherapy is part of physiotherapy, but focusing on the pathophysiology of the respiratory system, both medical and surgical, requiring a demanding knowledge of the respiratory system and the existing techniques for its treatment, healing and stabilization.

The disciplinary consideration of respiratory physiotherapy with a scientific-technical basis began in the late twentieth century, thanks to technological advances that allow measuring respiratory work and techniques, and is currently becoming necessary and essential in different hospital units. Therefore, it is essential that physical therapists update their knowledge in respiratory physiotherapy and acquire new techniques and tools to apply in their daily practice.

Physiotherapy is considered one of the therapeutic pillars in the management of patients with pulmonary diseases, whether obstructive or restrictive, chronic or acute.

The increase in the incidence of respiratory pathologies that we are going to see during this Postgraduate Certificate, both in children and adults, considerably affects the quality of life of the patients who suffer from them, as well as our health system, with a high social and economic cost due to hospitalization days, sick leave and early death.

The Postgraduate Certificate has a teaching staff specialized in respiratory physiotherapy, who contribute both their practical experience in their day-to-day work in private practice, as well as their lengthy experience in teaching at national and international level. In addition, it has the advantage of being a 100% online specialization, so the student can decide from where to study and at what time to do it, this way, they can flexibly self-direct their study hours.

The **Postgraduate Certificate in Restrictive Respiratory Pathology** contains the scientific most complete and updated program on the market. The most important features of the Postgraduate Certificate are:

- ♦ 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 practising 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



*A complete and practical Postgraduate Certificate that will allow you to learn in a real and direct way everything you need to work as a physiotherapist"*

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

Our teaching staff is made up of working professionals. In this way we ensure that we deliver the educational update we are aiming for. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the course: one of the differential qualities of this program.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your learning.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

*The latest advances in diagnosis and treatment of respiratory pathologies in Physiotherapy*

*This 100% online Postgraduate Certificate will allow you to combine your studies with your professional work while increasing your knowledge in this field*



# 02 Objectives

This comprehensive Postgraduate Certificate has been created from start to finish, to become a tool for personal and professional growth for physiotherapists. Its objective is to take you through an educational process that will allow you to acquire the most updated knowledge and techniques for the most advanced and competitive practice in this field.







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*With a real practical objective, this Postgraduate Certificate will allow you to achieve your educational goals by boosting your CV to excellence”*



## General Objective

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- Promote specialization in respiratory physiotherapy
- Update knowledge and manage physiotherapy in different patients with respiratory pathologies
- Have knowledge of the pathophysiology and advanced exploration of the respiratory system
- Execute, direct and coordinate the Respiratory Physiotherapy intervention plan for each patient





## Specific Objectives

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- Know in depth the physiopathological characteristics for its correct exploration
- Apply the most effective treatment for restrictive pathologies
- Better understand the difference between all restrictive pathologies and their therapeutic approach

*Highly specialized objectives in a program  
created to educate the best professionals in  
Respiratory Physiotherapy*

03

# Course Management

Within the concept of total quality of our program, we are proud to put at your disposal a Teaching Staff of the highest level, chosen for their proven experience. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.





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*With the expertise of professionals who will teach you based on the reality of the sector in a contextual and realistic learning"*

## Management



### Mr. García Coronado, Luis Pablo

- ♦ Physiotherapy Supervisor at La Paz University Hospital
- ♦ Owner and director of Fisiología C.B. - 2005-2007
- ♦ Owner and director of Fisioganas S.L. - 2007-2014
- ♦ Owner and director of Pilates Wellness & Beauty S.L. - 2008-2010



## Professors

### Ms. Álvarez Gonzalo, Verónica

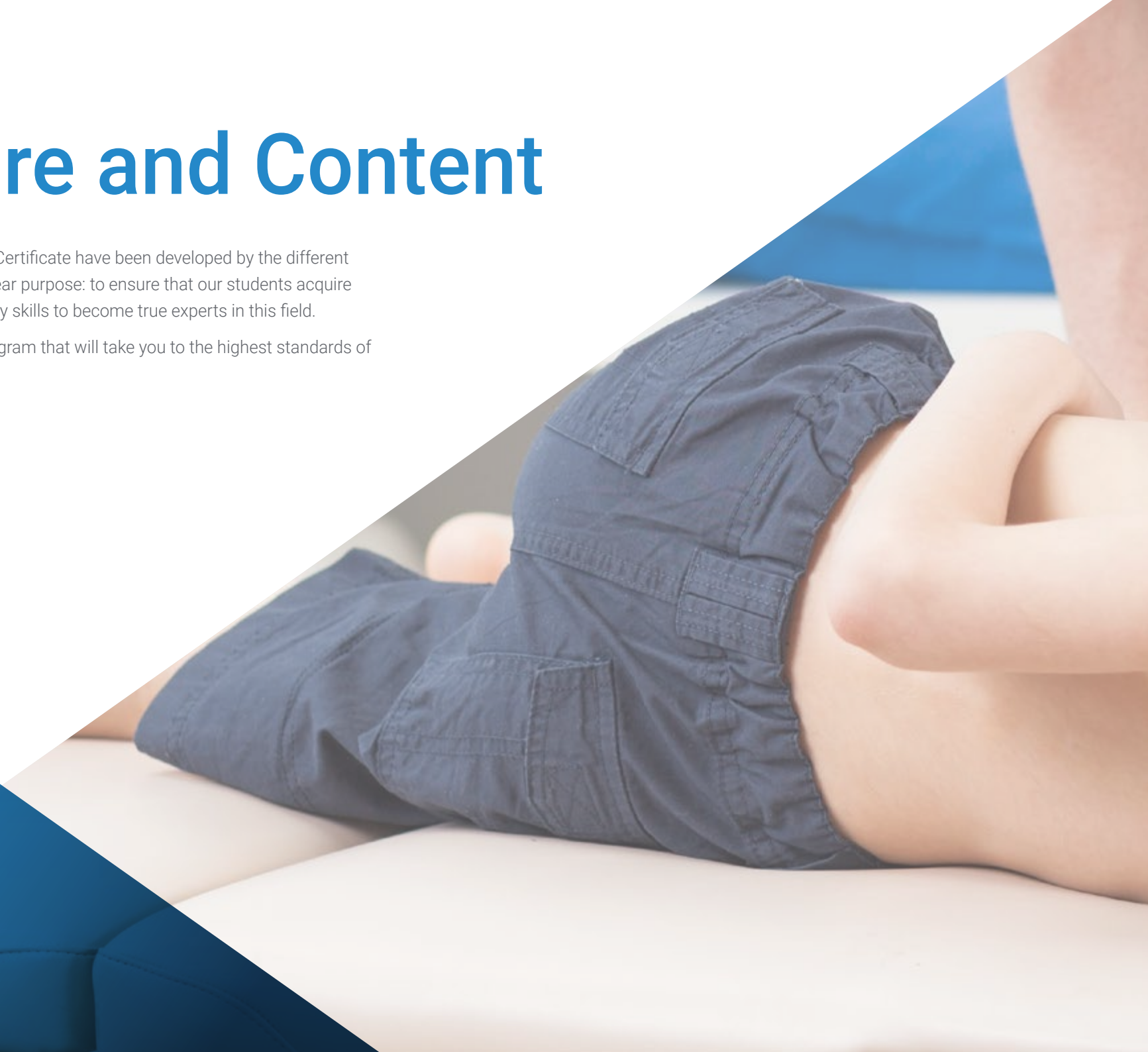
- ◆ Physiotherapist at La Paz University Hospital. Children's Hospital. In the field of Pediatric Rehabilitation
- ◆ Diploma in Physiotherapy. Pontific University Comillas, Madrid.
- ◆ Hospital of Guadarrama (Health of the Community of Madrid) Neurorehabilitation in medium-stay patients.
- ◆ El Vellón Balompié Football Club. Sport Physiotherapy
- ◆ Physiotherapy and Rehabilitation

# 04

# Structure and Content

The contents of this Postgraduate Certificate have been developed by the different Teachers of this program, with a clear purpose: to ensure that our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.







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*A very complete syllabus that will take you gradually through each and every one of the learning processes that the Respiratory Physiotherapy professional needs. With an added bonus: the commitment to excellence that characterizes us"*

## Module 1. Restrictive Pathologies

- 1.1. Introduction to Restrictive Pathology
  - 1.1.1. Theoretical Framework
  - 1.1.2. Clinical Characteristics
- 1.2. Alterations of the Thoracic Cage
  - 1.2.1. Chest Morphology
  - 1.2.2. Respiratory Pattern and Thoracic-Abdominal Movement
  - 1.2.3. Types of Alterations
- 1.3. Diaphragm and Respiratory Muscles Diseases
  - 1.3.1. Pathophysiological Characteristics
  - 1.3.2. Exploration
  - 1.3.2. Pediatric Dentistry
- 1.4. Pleural Effusion
  - 1.4.1. Pathophysiological Manifestations
  - 1.4.2. Exploration
  - 1.4.3. Pediatric Dentistry
- 1.5. Pneumothorax
  - 1.5.1. Clinical Characteristics
  - 1.5.2. Exploration
  - 1.5.3. Pediatric Dentistry
- 1.6. Diffuse Infectious Diseases (Tuberculosis, Abscess, Pneumonia)
  - 1.6.1. Clinical Characteristics
  - 1.6.2. Exploration
  - 1.6.3. Pediatric Dentistry





- 1.7. Idiopathic Pulmonary Fibrosis
  - 1.7.1. Pathophysiological Characteristics
  - 1.7.2. Exploration
  - 1.7.3. Pediatric Dentistry
- 1.8. Sarcoidosis and Pneumoconiosis
  - 1.8.1. Pathophysiological Manifestations
  - 1.8.2. Exploration
  - 1.8.3. Pediatric Dentistry
- 1.9. Neuromuscular Diseases
  - 1.9.1. Clinical Characteristics
  - 1.9.2. Exploration
  - 1.9.3. Pediatric Dentistry

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

# 05

# Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given clinical situation, what would you do? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Physiotherapists/kinesiologists learn better, faster, and more sustainably over time.

*With TECH you can 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 potential 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking 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. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 to success*

In our program, learning is not a linear process, but rather a spiral (we 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.



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Physiotherapy Techniques and Procedures on Video

We introduce you to the latest techniques, the latest educational advances, and the forefront of physiotherapy and kinesiology procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

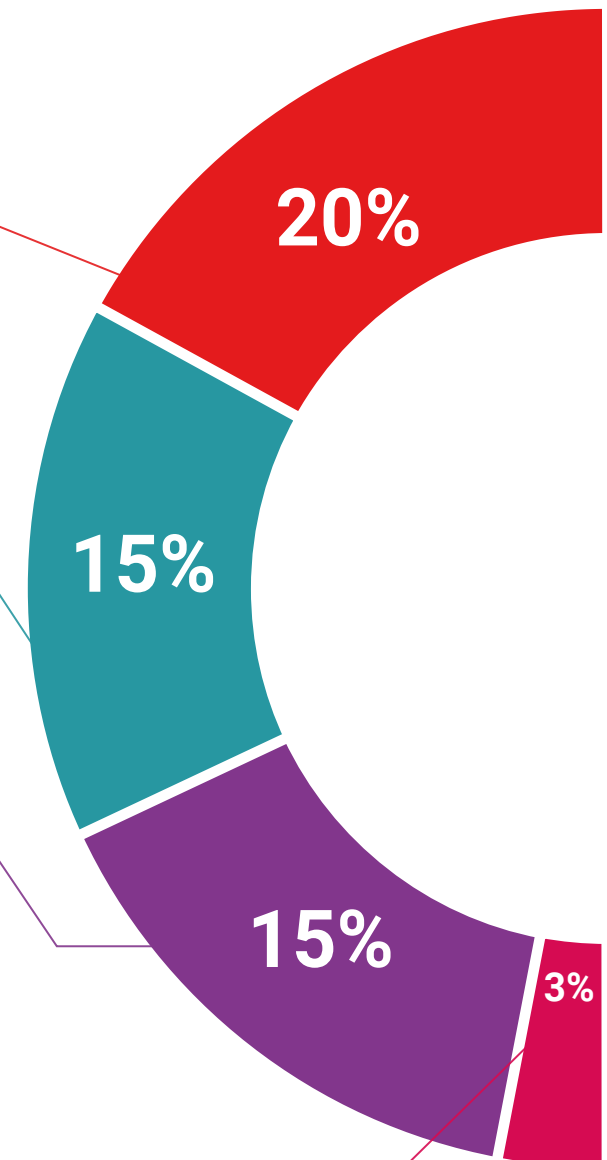
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

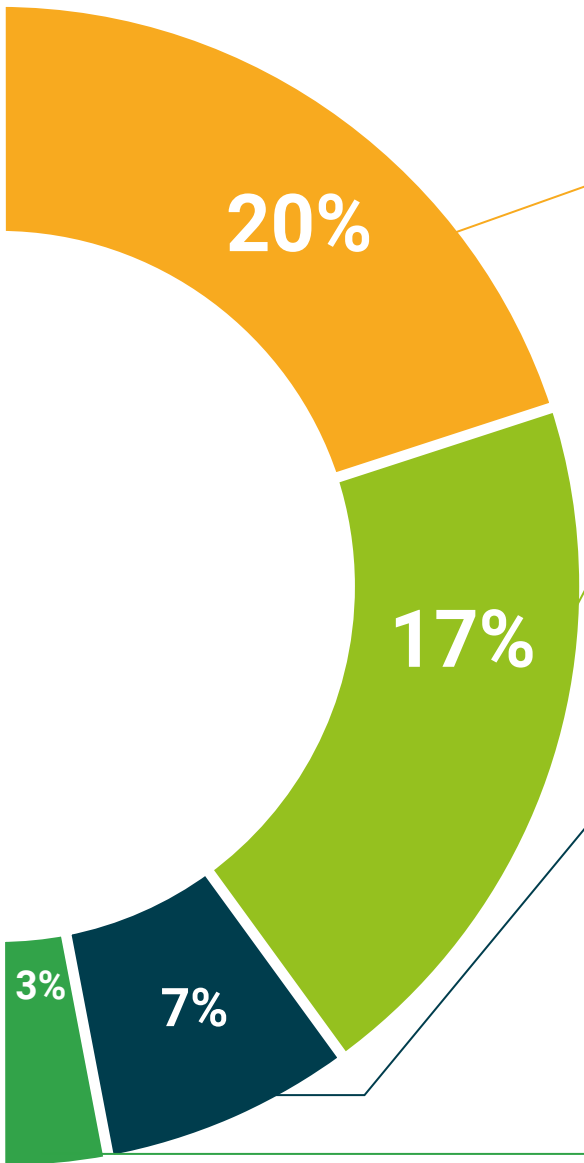
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides. In our virtual library you will have access to everything you need to complete your training.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



#### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



# 06 Certificate

The Postgraduate Certificate in Restrictive Respiratory Pathology guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Global University.





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*Successfully complete this training and receive your diploma without the hassle of travel or paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Restrictive Respiratory Pathology** 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 Restrictive Respiratory Pathology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 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.

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



**Postgraduate Certificate**  
Restrictive Respiratory  
Pathology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

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## Restrictive Respiratory Pathology

