

# Postgraduate Certificate

## Medical- Surgical Treatment for Vocal Pathologies





## Postgraduate Certificate Medical-Surgical Treatment of Vocal Pathologies

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/medical-surgical-treatment-vocal-pathologies](http://www.techtute.com/us/medicine/postgraduate-certificate/medical-surgical-treatment-vocal-pathologies)

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# 01

# Introduction

A large percentage of dysphonic patients referred to phoniatic rehabilitation come from the professional education sector. Teachers use the voice as a fundamental tool in their work, and the misuse or abuse of this instrument becomes a direct cause of illness or adjustment problems.





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*This Postgraduate Certificate in Medical-Surgical Treatment of Vocal Pathologies will generate a sense of confidence in professional performance, which will help you grow both personally and professionally”*

Studies in this field can facilitate access to employment given the existing lack of such professionals in this complex field of medical-surgical treatment of vocal pathologies. This program offers a very broad view of vocal pathology and voice physiology, with examples of successful cases. It includes all the necessary and basic techniques for preparing and re-educating the voice, taking into account the professions that use it as their main working tool, providing experiences and advances in this field, which have also been guaranteed by the teaching staff on the course, since all of them work in the field.

Professionals will learn through professional experience and evidence-based pedagogy, which makes student training more effective and accurate.

It is a practical course that follows a process similar to that of other psychomotor skills, such as learning to drive a car, for example. Its learning starts focusing on a theory, which shows the constitution and form of emission of any sound, to then be able to recognize our own mechanical movements, developing muscle memory and automating the knowledge learned. Finally, it will end by evaluating the success and failure in each exercise, offering advice or a practical / personalized solution to each student.

Apart from training students in such a specific and complex subject as the medical-surgical treatment of vocal pathology applied to different professions and contexts, it will also facilitate their insertion in the labor market, given the great demand for this type of specialized professionals within and outside the education system. For those students who are already in the working world, it will allow them a better professional positioning and will increase their possibilities of promotion.

This **Postgraduate Certificate in Medical- Surgical Treatment of Vocal Pathologies** is the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Practical cases presented by experts in Medical-Surgical Treatment of Vocal Pathologies
- ♦ The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Updates on Medical-Surgical Treatment of Vocal Pathologies
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ With a special emphasis on innovative methodologies in Medical-Surgical Treatment of Vocal Pathologies
- ♦ 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 the Postgraduate Certificate in Medical-Surgical Treatment of Vocal Pathologies”*

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*This Postgraduate Certificate may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge of Medical-Surgical Treatment of Vocal Pathologies, you will obtain a qualification TECH Global University”*

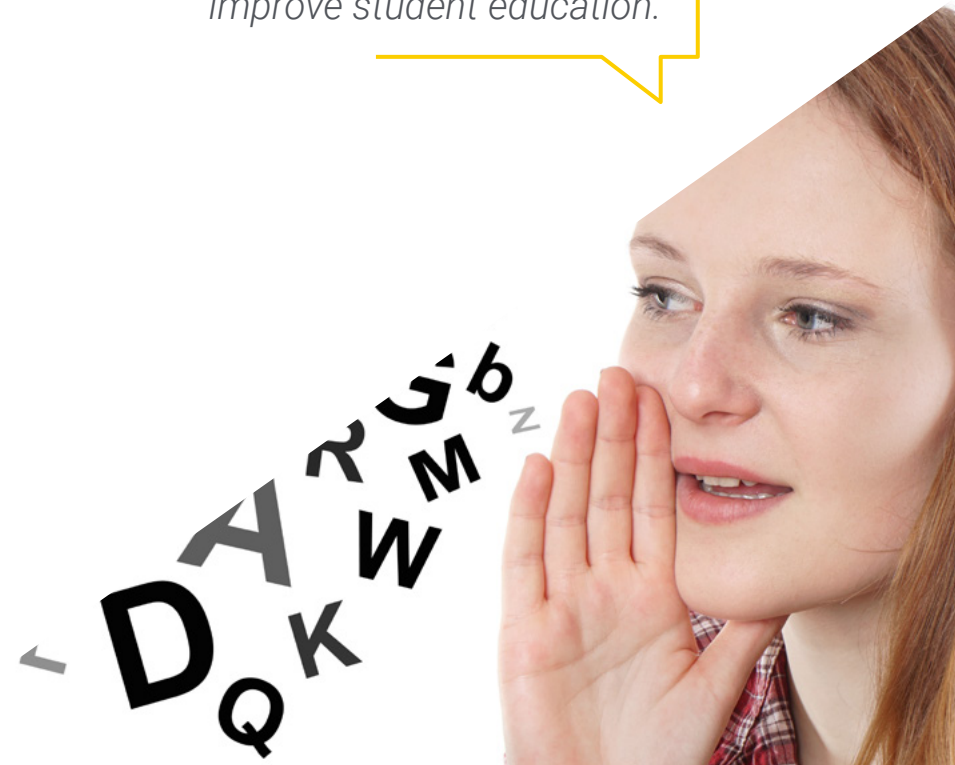
*Increase your decision-making confidence by updating your knowledge through this course.*

*Take the opportunity to learn about the latest advances in Medical-Surgical Treatment of Vocal Pathologies and improve student education.*

The teaching staff includes professionals from the field of Voice Pathology, who bring their experience to this training, 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 an immersive training experience designed to train for real-life situations.

This program is designed around Problem Based Learning, where the medical professionals must try to solve the different professional practice situations that arise during the course. For this purpose, specialists will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of Voice Pathology.



# 02 Objectives

The Postgraduate Certificate in Medical-Surgical Treatment of Vocal Pathologies aims to broaden the training of health professionals who treat voice problems.





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*This Postgraduate Certificate will allow you to update your knowledge of Medical-Surgical Treatment of Vocal Pathologies with the use of the latest educational technology to contribute quality and confidence to decision making”*



## General Objectives

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- ♦ Learn the specific anatomical and functional aspects of the phonatory system as a basis for the rehabilitation of vocal pathologies and for vocal work with voice professionals
- ♦ Gain in-depth knowledge of the most current diagnostic and treatment techniques
- ♦ Delve into the knowledge and analysis of the results obtained in objective voice assessments
- ♦ Learn how to implement a correct and complete assessment of vocal function in daily clinical practice
- ♦ Know the most important features of the voice and learn to listen to different types of voices in order to know which aspects are altered to guide clinical practice
- ♦ Analyze the different possible vocal pathologies and achieve scientific rigor in treatments
- ♦ Learn about different approaches to the treatment of vocal pathologies
- ♦ Raise awareness of the need for vocal care
- ♦ Teach voice therapy work focused on different voice professionals.
- ♦ Learn the importance of multidisciplinary work in some voice pathologies
- ♦ View the voice as a global ability of the person and not as an exclusive act of the phonatory system
- ♦ Solve real case studies with current therapeutic approaches based on scientific evidence





## Specific Objectives

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- Learn about the different existing phonosurgery techniques
- Learn about the different common laryngeal surgeries
- Be familiar with the different medications prescribed by physicians in case of dysphonia



*Seize the opportunity and take the step to get up to date on the latest developments in Medical-Surgical Treatment of Vocal Pathologies”*

03

# Course Management

The program includes in its teaching staff renowned experts in speech therapy, who contribute their work experience to this training. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





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*Learn the latest advances in procedures in the field of Medical-Surgical Treatment of Vocal Pathologies from renowned professionals”*

## International Guest Director

Awarded on multiple occasions for her Clinical Excellence, Dr. Sarah Schneider is a renowned Speech-Language Pathologist highly specialized in the comprehensive treatment of voice and upper airway related conditions.

In this way, she has worked in prestigious international institutions such as UCSF Health in the United States. There, she has led several clinical programs that have allowed the implementation of interdisciplinary approaches for the optimal treatment of voice disorders, swallowing problems and even communication difficulties. Thanks to this, she has helped patients to optimize their quality of life considerably by overcoming complex pathologies ranging from Laryngeal Dystonia or abnormal Vocal Vibrations to Voice Rehabilitation in transgender users. In this same line, she has contributed significantly to numerous singers and professional speakers to optimize their vocal performance.

She also balances this work with her facet as a Clinical Researcher. As such, she has written multiple scientific articles on subjects such as the most innovative techniques for the restoration of the voice in people who have lost it due to surgery or serious injuries such as laryngeal cancer. Her line of study also includes the use of advanced technologies for the diagnosis and treatment of common Phonetic Dysfunctions, among which Hypernasality is included.

In his firm commitment to improving the overall well-being of individuals, she has shared his findings at various conferences on a global scale with the aim of advancing progress in this field. Through these initiatives, she has enabled specialists to not only update on the most recent advances in voice restoration, but also to develop effective strategies for the prevention of vocal injuries in experts who rely on their oral ability, actors being a clear example of this.



## Dr. Schneider, Sarah

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- ♦ Director of Speech-Language Pathology at UCSF Health, California, United States
- ♦ Speech Pathologist for Dr. Robert T. Sataloff in Philadelphia, Pennsylvania
- ♦ Speech Pathologist at Vanderbilt Voice Center in Nashville, Tennessee
- ♦ Master of Science degree in Speech-Language Pathology from Marquette University
- ♦ Bachelor of Science degree in Communication Sciences and Disorders from Marquette University
- ♦ Member of:
  - ♦ Editorial Board of the Journal of Voice
  - ♦ California Hearing and Speech Association

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

## Management



### Dña. Martín Bielsa, Laura

- Speech therapist and teacher
- Expert in voice pathology
- Director of Multidisciplinary Center Dime Más
- CFP Estill Voice Training
- Extensively trained in different methods of vocal rehabilitation
- Dean of the Professional Association of Speech-Language Pathologists of Aragon

## Professors

### Ms. Corvo, Sandra

- Speech therapist
- Director of Clínica CórteX-Ciudad Rodrigo
- Master's Degree in Advances in Neurorehabilitation of Communicative and Motor Functions of the Gimbernat Cantabria School
- She is currently working on her doctoral thesis on the improvement of voice and speech in patients with Parkinson's disease by means of movement co-programming through dance

### Mr. Fernández Peñarroya, Raúl

- Director of the Fisyos center in Andorra
- Physiotherapist with extensive training in Rehabilitation
- Manual therapy, fascial treatment and dry needling
- Research activity on aspects of physiotherapy treatment in Parkinson's disease





#### **Mr. Gómez, Agustín**

- ◆ Speech therapist
- ◆ Director of the Alpadif center – Albacete
- ◆ Associate Professor and collaborator of the Speech Therapy Degree at the UCLM
- ◆ Diverse voice training: CFP Estill Voice Training and PROEL, among others
- ◆ Actor with more than 20 years of experience in different independent theatrical companies

#### **Ms. Pozo García, Susana**

- ◆ Physiotherapist
- ◆ Director of the Fisyos Center in Andorra
- ◆ Specialist in Osteopathy Extensive training and clinical experience in myofascial induction, dry needling and lymphatic drainage
- ◆ Internship tutor at the Health Sciences University School of Zaragoza

#### **Dr. Quílez Félez, Olaya**

- ◆ Health Psychologist at Dime Más Multidisciplinary Center and other Health Centers in Aragon
- ◆ Master's Degree in Neuropsychology
- ◆ Collaborator in research projects with the University of Zaragoza

#### **Ms. Romero Meca, Alizia**

- ◆ Diploma in Musical Education
- ◆ CMT Certified Teacher at Estill Voice Training
- ◆ Currently preparing for certification as a CCI Instructor at Estill Voice Training
- ◆ Professional singer since 1996, with several tours and more than 500 performances
- ◆ Vocal Coach since 2000, teaching classes of all musical genres, levels and groups
- ◆ Director and singer of the Chamber Choir The Gospel Wave Choir
- ◆ Course Organizer for Official Estill Voice Training

# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational institutions and universities in the country, who are aware of the relevance of up-to-date, innovative training and are committed to quality teaching using new educational technologies.



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*A comprehensive teaching program, structured in well-developed teaching units, oriented towards efficient and swift learning that is compatible with your personal and professional life"*

## Module 1. Medical-Surgical Treatments of Vocal Pathology

- 1.1. Phonosurgery
  - 1.1.1. Flush Section
  - 1.1.2. Cordotomies
  - 1.1.3. Injection Techniques
- 1.2. Laryngeal Surgery
  - 1.2.1. Thyroplasties
  - 1.2.2. Laryngeal Neurosurgery
  - 1.2.3. Surgery in Malignant Laryngeal Pathologies
- 1.3. Medication in Dysphonia
  - 1.3.1. Medication to Regularize Respiratory Aspects
  - 1.3.2. Medication to Regularize Digestive Aspects
  - 1.3.3. Medication to Regulate the Non-Autonomous Nervous System
  - 1.3.4. Types of Medication





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

# 05 Methodology

This training program provides you with 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.



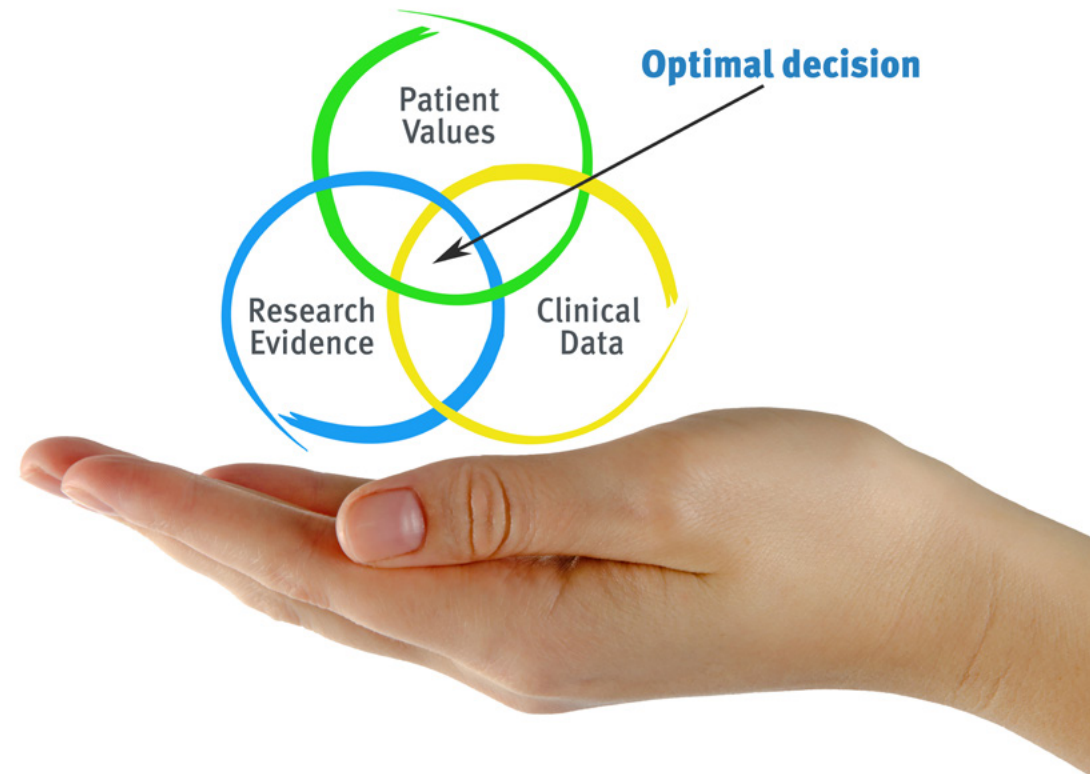
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

## 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. 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 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 Harvard 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.

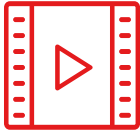
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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

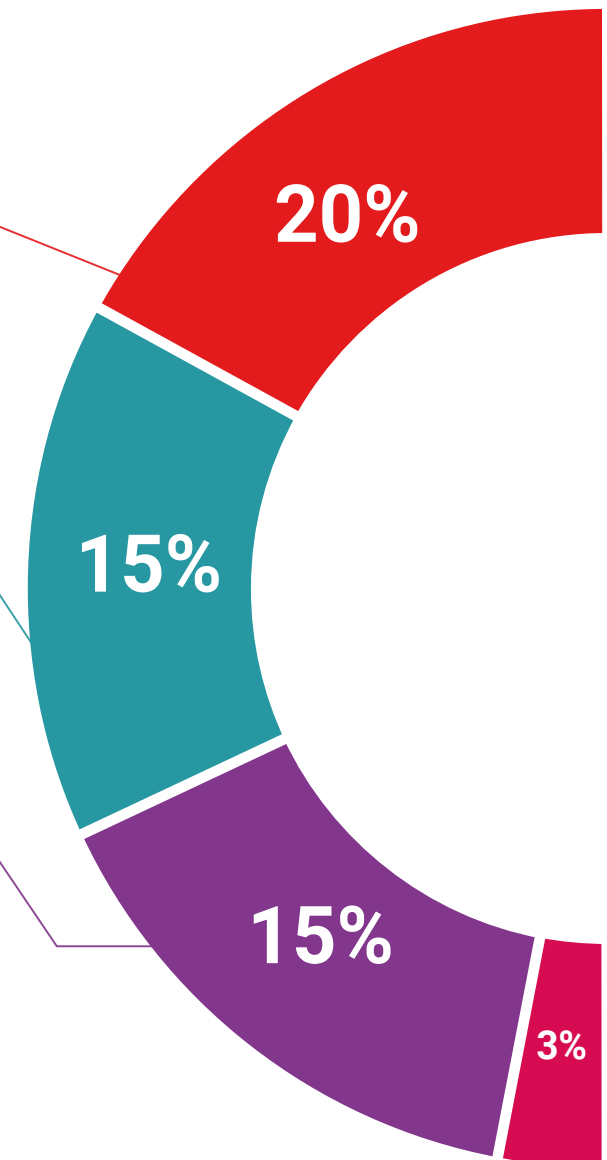
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

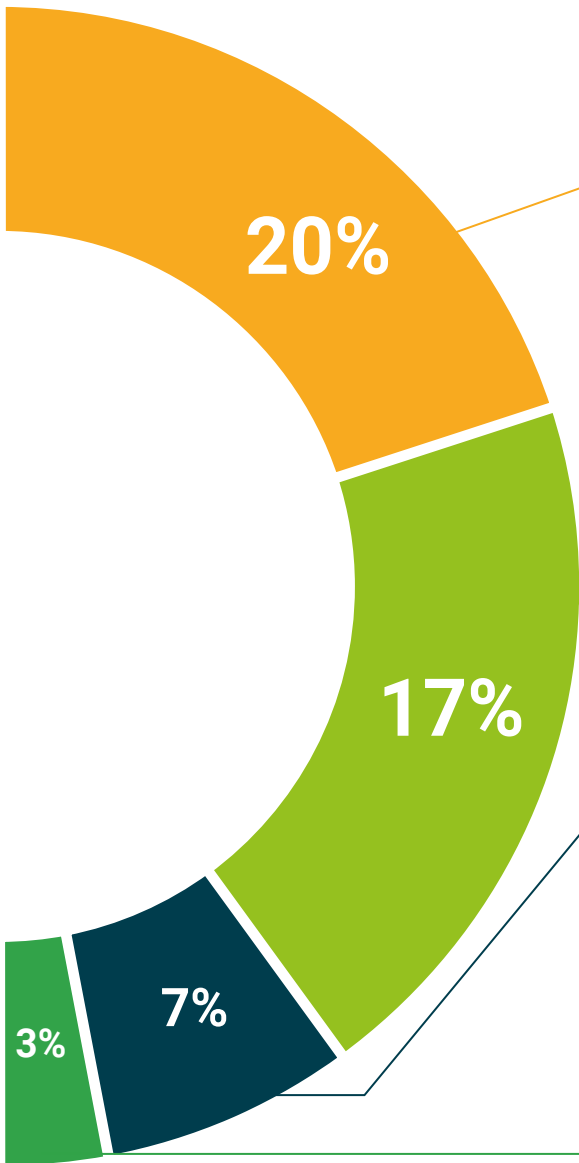
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### 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 your goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts: The system termed Learning from an Expert strengthens knowledge and recall capacity, and generates confidence in the face of difficult decisions in the future.



#### 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 Medical-Surgical Treatment of Vocal Pathologies guarantees, in addition to the most rigorous and update training, access to a Postgraduate Certificate issued by TECH Global University.





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Successfully complete this training  
and receive your university degree  
without travel or laborious paperwork”

This program will allow you to obtain your **Postgraduate Certificate in Medical-Surgical treatment of Vocal Pathologies** 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 Medical-Surgical treatment of Vocal Pathologies**

Modality: **online**

Duration: **6 weeks**

Accreditation: **4 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  
development languages  
virtual classroom



**Postgraduate Certificate**  
Medical-Surgical Treatment  
of Vocal Pathologies

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