

# Postgraduate Certificate

## Head and Neck ORL in Medicine



## Postgraduate Certificate Head and Neck ORL in Medicine

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Global University
- » Credits: 12 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/head-neck-oral-medicine](http://www.techtute.com/us/medicine/postgraduate-certificate/head-neck-oral-medicine)

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# 01

# Introduction

The study of Head and Neck pathology occupies a prominent place in ORL, and it requires a detailed knowledge of the anatomy and physiology of the cervical region. This Postgraduate Certificate has been created to respond to the need for a complete and up-to-date course, bringing together all the developments and advances that medical professionals need.





*This Postgraduate Certificate is unique in the field of  
ORL due to its quality and flexibility”*



Within the specialty of Otorhinolaryngology, the study of head and neck pathology occupies a prominent place in clinical practice. That is why it is essential to have detailed knowledge of the anatomy and physiology of the cervical region, which has already been discussed in the section on laryngology. We will cover the exploration of this region, as well as the basics of diagnostic imaging for benign and malignant pathology in the region. To do so, we will focus on the updated management of the cervical mass. In general there is a great discrepancy between the way this problem is managed between centers and sometimes even within the same center between different services. Within this heterogeneous group, adenopathies of unknown origin deserve special attention.

Lastly, the diagnostic and therapeutic strategy for masses in this anatomical region is discussed.

The second module, devoted to head and neck pathology, deals with neoplasms of the upper aerodigestive tract, starting with the oral cavity, rhinopharynx, oropharynx, hypopharynx and larynx. In addition to tumors related to classical etiological factors (tobacco and alcohol consumption) we will deal with human papillomavirus (HPV)-related tumors. These tumors have different clinical features and a different therapeutic approach due to their better response to radiotherapy and better prognosis.

Many of the surgeries required for these patients involve mutilation affecting physical appearance and a very important alteration in respiratory, phonatory and swallowing functions. For this reason, organ-sparing treatment and transoral surgical techniques with CO2 laser and robotic-assisted surgery have been implemented.

A concept of interest is the attitude toward the tumor with lymph node metastasis of the head and neck of unknown origin.

Functional rehabilitation of this type of patients is assessed.

Finally, we will discuss the diagnostic and therapeutic strategy for these patients.

This **online Postgraduate Certificate** offers you the features of a high-level scientific, educational and technological course. These are some of its most notable features:

- Latest technology in online teaching software.
- 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.
- Self-regulating 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 course.



*Head and Neck pathology from an ORL approach in a high intensity training*

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*The quality of this training ensures you will specialize in the most relevant aspects of current developments in this field”*

Our teaching staff is composed of medical professionals, practising specialists. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of doctors trained and experienced in different environments, who will develop the theoretical knowledge in an efficient way, but, above all, will bring their practical knowledge derived from their own experience to the course: one of the differential qualities of this training.

This mastery of the subject is complemented by the effectiveness of the methodology used in the design of this course. 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 training.

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 learning: 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.

*With a methodological design based on proven teaching techniques, this Postgraduate Certificate will take you through different teaching approaches to allow you to learn in a dynamic and effective way.*



# 02

## Objectives

The objective of this training is to enable you to achieve the highest degree of specialization in the areas of head and neck disorders and facial paralysis from an ORL perspective. Through a program created to train you in a progressive and constant way, you will learn and integrate the new developments in otorhinolaryngology that have been taking place in the field.



Lengua

Glándula sublingual



# Ganglios linfáticos



Glándula  
paratiroidea

“

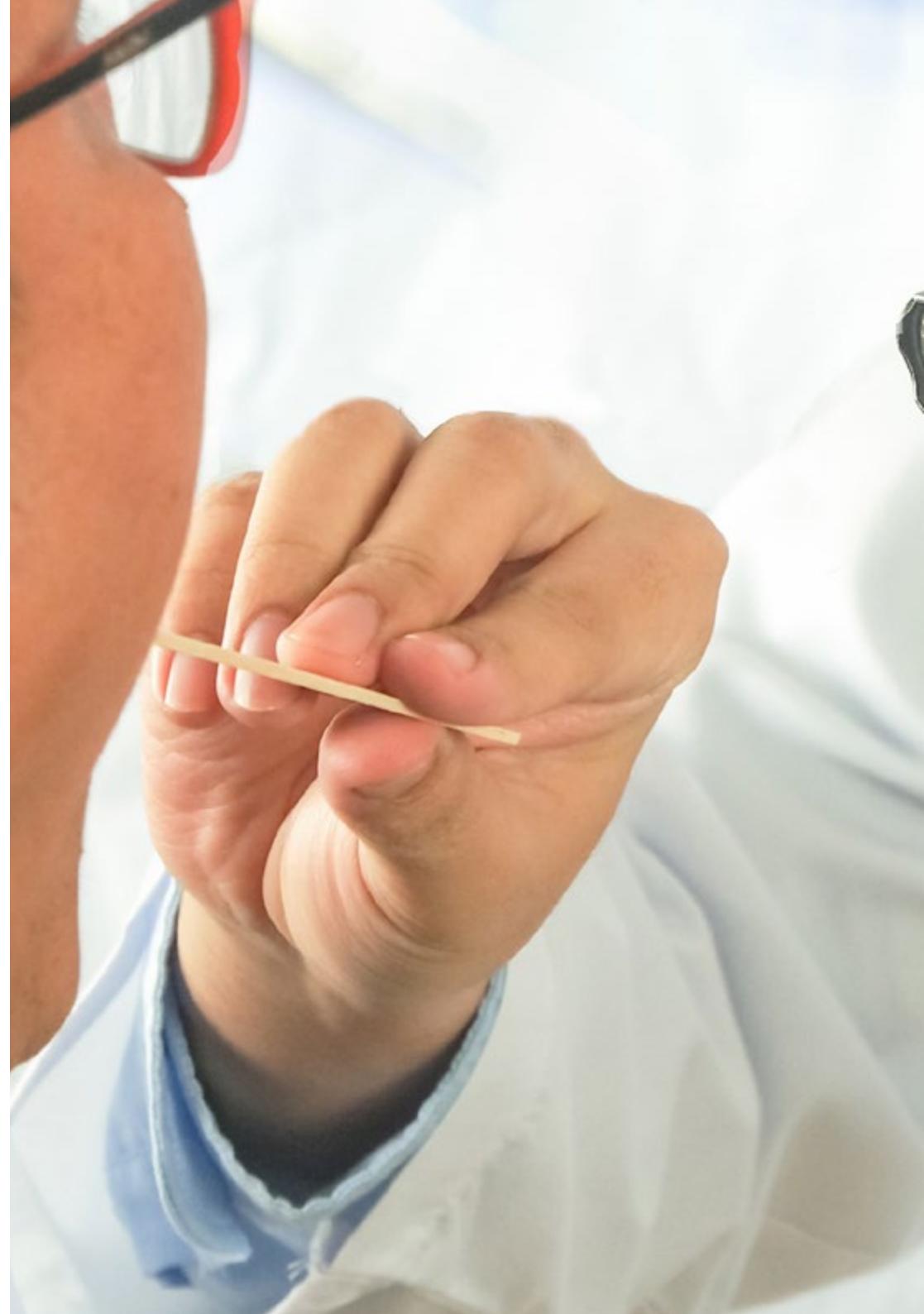
*The objective of this training is quality: in the study method, in the teaching staff and in the contents. So that the experience propels you forward in your career”*



## General Objective

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- Completely update your knowledge on the different aspects and interventions in Head and Neck ORL.





## Specific Objectives

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- Know the anatomy and physiology of the cervical region, as well as the clinical examination and imaging diagnosis used.. Learn about cervical tumor pathology, both benign and malignant, paying special attention to the management of lymphadenopathies of unknown origin and their diagnostic and therapeutic strategy.
- Gain in-depth knowledge of the different types of tumor that affect the upper aerodigestive tract. The clinical, endoscopic findings and imaging tests that allow us to diagnose it. After the diagnosis, gain knowledge of the multidisciplinary treatment involved in managing these tumors.



03

# Course Management

The program's teaching staff includes leading experts in Otorhinolaryngology, who contribute their vast work experience to this training program. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.





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*Leading experts in Neurosurgery have joined forces to share all their knowledge in the field with you”*

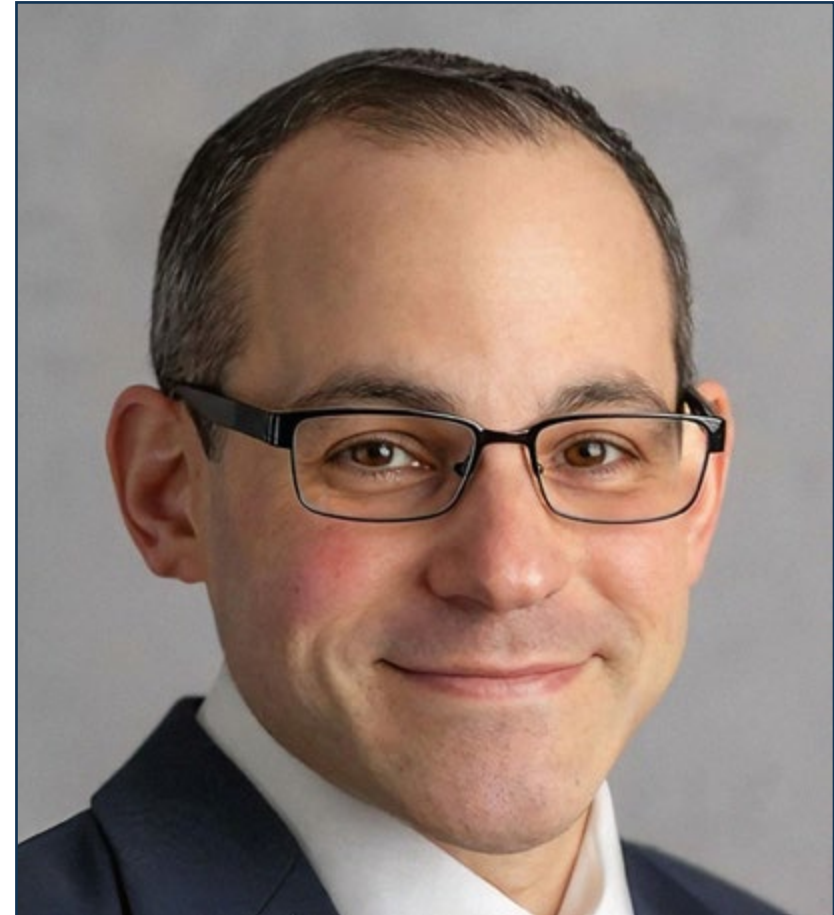
## International Guest Director

Dr. Jacob Brodsky is a leading pediatric otolaryngologist, internationally recognized for his expertise in the medical and surgical management of Middle and Inner Ear Diseases in children. He also directs the Balance and Vestibular Program at Boston Children's Hospital, one of the leading pediatric programs in this field worldwide. Being trained primarily in Endoscopic Ear Surgery (EES), he has revolutionized treatment standards by allowing less invasive surgeries and faster recovery for pediatric patients with conditions such as Hearing Loss, Cholesteatoma and Chronic Otitis Media.

In addition to his outstanding clinical practice, he has contributed significantly to the advancement of scientific knowledge in his field, being a prolific author of numerous publications and a regular speaker at both national and international congresses. In this way, his research has focused especially on the effects of Concussion and Head Trauma on the Inner Ear, topics that he has addressed from his position as Coordinator of the Multidisciplinary Concussion Clinic at Boston Children's Hospital.

In fact, his studies have ranged from the evaluation of vestibular function in children with concussions to the impact of cochlear implants on the quality of life of pediatric patients. In addition, his training has included a fellowship in Pediatric Otolaryngology at Boston Children's Hospital in conjunction with Harvard Medical School.

As such, Dr. Jacob Brodsky's influence in pediatric otolaryngology has extended beyond clinical practice, contributing to the development of therapies to improve the quality of life of children with Hearing and Vestibular Disorders. Likewise, his commitment to academic excellence and compassionate care has placed him at the forefront of children's health care worldwide.





## Dr. Brodsky, Jacob

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- Director of the Balance and Vestibular Program at Boston Children's Hospital, Boston, United States
- Coordinator of the Multidisciplinary Concussion Clinic at Boston Children's Hospital of Boston
- Academic of Otolaryngology and Head and Neck Surgery at Harvard Medical School
- General Board Certification by the American Board of Otolaryngology
- Fellow in Pediatric Otolaryngology from Harvard Medical School and Boston Children's Hospital
- Medical Degree from the University of Massachusetts

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

## Management



### Dr. Gutiérrez Fonseca, Raimundo

- ♦ Rey Juan Carlos University Hospital Chief of Otorhinolaryngology Service (ORL).
- ♦ Rey Juan Carlos University: ORL Associate Professor
- ♦ General Secretary of the Spanish Society of ORL Head and Neck Surgery.
- ♦ Member of the Dysphagia Research Group of the European Laryngological Society.



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*Expand your knowledge through this Postgraduate Certificate that will allow you to specialize until you achieve excellence in this field"*



# 04

## Structure and Content

The contents of this Postgraduate Certificate have been developed by the different experts on the 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 comprehensive teaching program,  
structured in well-developed teaching units,  
oriented towards learning that is compatible  
with your personal and professional life"*



### Module 1: Head and Neck Pathology I.

- 1.1. Anatomy and Physiology of the Cervical Region Evaluation
- 1.2. Epidemiology of Cervical Masses
- 1.3. Benign Cervical Masses
- 1.4. Malignant Cervical Masses
- 1.5. Adenopathies of Unknown Origin
- 1.6. Assessment of Cervical Masses
- 1.7. Imaging Tests of the Neck PET-CT Scans in Cervical Masses
- 1.8. Histological Basis of Cervical Tumor Pathology
- 1.9. Diagnostic Strategy in Cervical Masses
- 1.10. Monitoring of Adenopathies of Unknown Origin

### Module 2: Head and Neck Pathology II.

- 1.1. Basis of Head and Neck Oncology
- 1.2. Tumors of the Oral Cavity and Oropharynx
- 1.3. Rhinopharyngeal or Cavum Tumors
- 1.4. Larynx and Hypopharynx Tumors
- 1.5. Treatment of Pharyngolaryngeal Tumors
- 1.6. Open Surgery in Head and Neck Tumors
- 1.7. Minimally Invasive Surgery: Transoral Laser Surgery Ultrasonic Surgery Robotic Surgery Non-surgical Treatment
- 1.8. Reconstructive Surgery in Head and Neck Oncology
- 1.9. Non-Surgical Treatment in Head and Neck Oncology
- 1.10. Functional Rehabilitation of the Head and Neck Oncology Patient







“

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

# 05

# Methodology

This training program 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.



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*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 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 an abundance of scientific evidence on the effectiveness of the method. Specialists 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 in professional medical 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 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 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.



## 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 physician 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 have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. 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 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 (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.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical 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

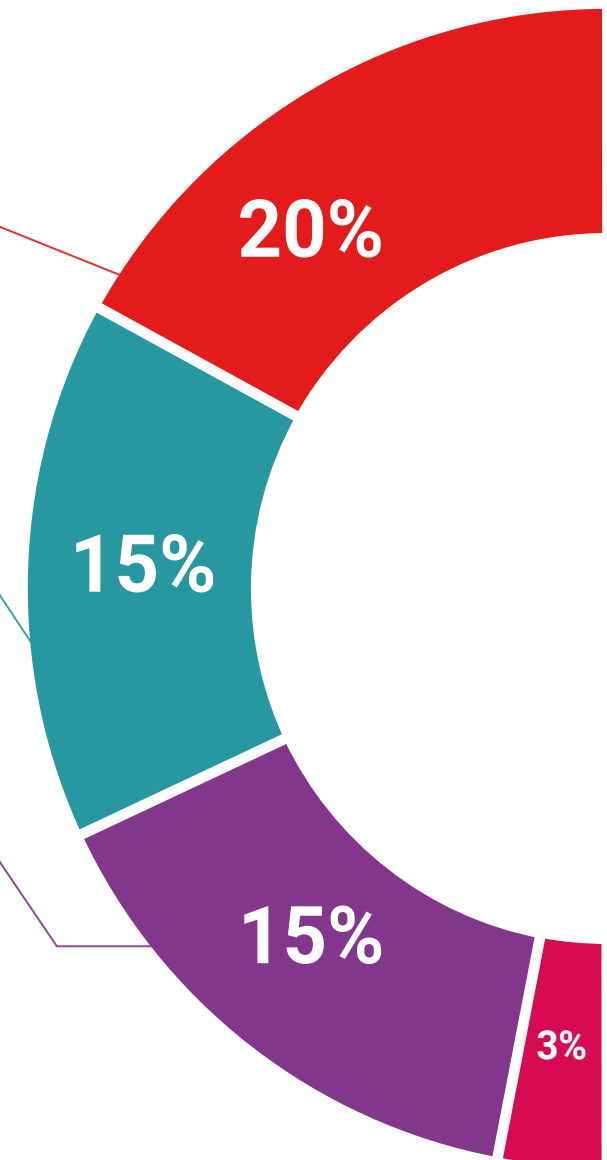
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 & Retesting

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 difficult future 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 Head and Neck ORL in Medicine guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.





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*Include in your qualifications a Postgraduate Certificate in Head and Neck ORL: A highly qualified added value for any medical professional”*

This program will allow you to obtain your **Postgraduate Certificate in Head and Neck ORL in Medicine** 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.

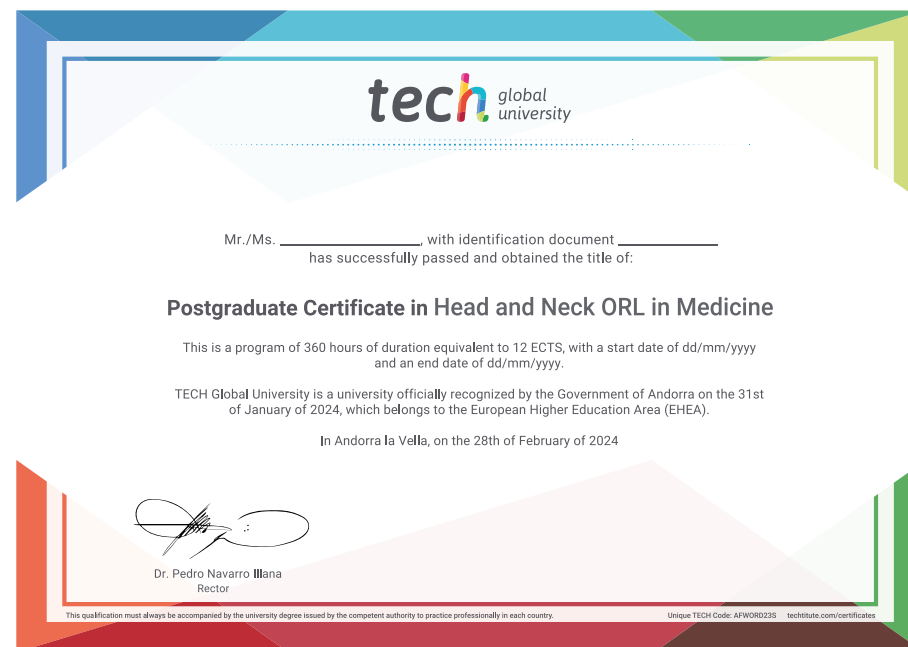
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Head and Neck ORL in Medicine**

Modality: **online**

Duration: **12 weeks**

Accreditation: **12 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  
online training  
development languages  
virtual classroom



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