

# Professional Master's Degree

## Update on Otorhinolaryngology



## Professional Master's Degree Update on Otorhinolaryngology

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/medicine/professional-master-degree/master-update-otorhinolaryngology](http://www.techtitute.com/us/medicine/professional-master-degree/master-update-otorhinolaryngology)

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# 01

# Introduction

Otorhinolaryngology is a very broad and complex speciality. Modern technological advances in this area make it difficult to define the anatomical and therapeutic limits of this specialty, which focuses on the study of head and neck pathology and its treatment. Disorders which are dealt with in the speciality are highly prevalent, making up for more than 20% of consultations with primary care doctors, making it all the more important to study this field. This program 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 to know into one single course.





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*All of the advances and innovations in the field of Otorhinolaryngology compiled in a unique, quality and flexible Professional Master's Degree”*

This Professional Master's Degree in Update on Otorhinolaryngology is not intended to be a review of the syllabus of the specialty, but rather to present, in an attractive and novel way, some of the most current topics in the discipline. The program covers clinical, diagnostic and surgical aspects, offering advanced algorithms based on the best possible scientific evidence, all of which will be of great use to students.

In the development of each topic, plenty of iconography will be used to achieve a better understanding of the contents. Upon finishing this Professional Master's Degree, students will have a more complete idea of the most innovative aspects in the specialty, allowing them to more confidently and successfully deal with the extensive list of pathologies they face in daily practice.

The program is structured in a series of modules which correspond to the diverse sub-specialties in Otorhinolaryngology. In many cases there are common aspects among each sub-specialty, and in each of these modules the most innovative aspects are presented in greater detail and in a more specialized way. So, students can learn about aspects that they will encounter throughout their professional practice, which are updated and covered in great depth.

In each of the topics, the general aspects that constitute the basis of knowledge are presented in order to then be able to go deeper into the subject in the following sections, with iconographic and multimedia support, and also diagnostic and therapeutic algorithms adapted to each topic. All of which will be presented in a 100% online format.

This **Professional Master's Degree in Update on Otorhinolaryngology** contains the most complete and up-to-date scientific program on the market. Its most notable features 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



*One of the most frequent reasons for consultation in Primary Care, with all the updates and advances at your fingertips and all in one place"*

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*The quality of this program will ensure that you will be trained in the most relevant aspects of current developments in this field"*

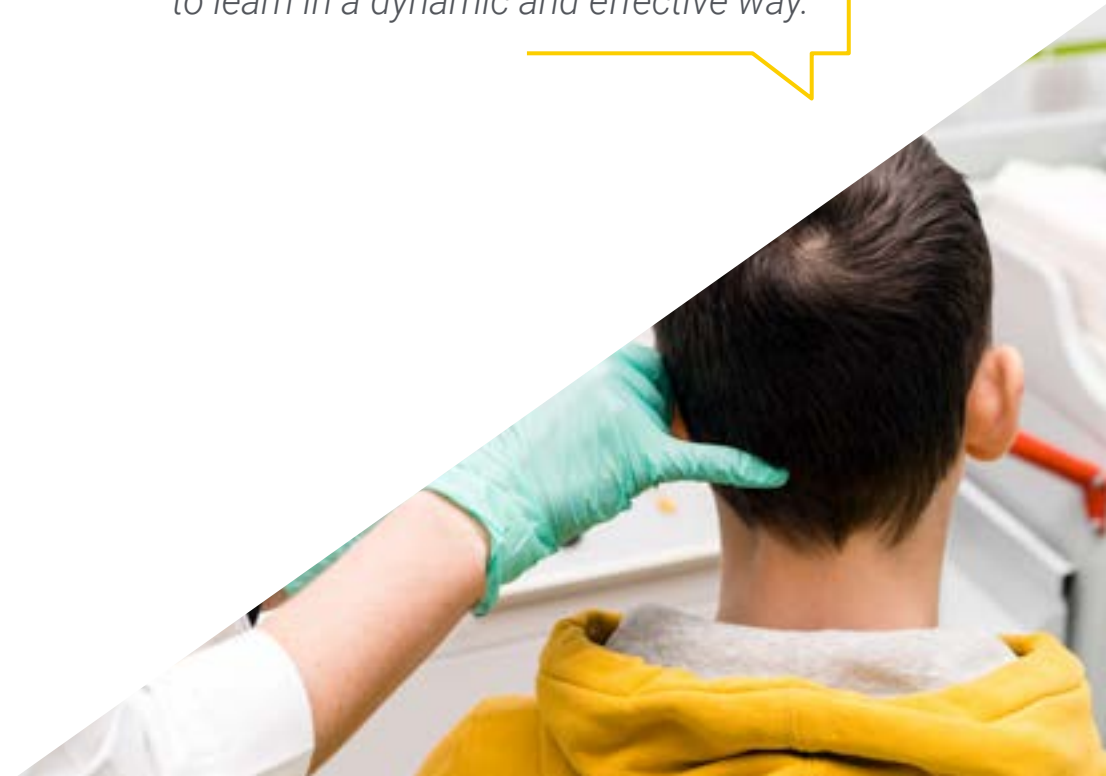
Our teaching staff is composed of medical professionals, practicing specialists. In this way, TECH ensure that we provide you with the up-to-date education we are aiming for. A multidisciplinary team of physicians experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the program: one of the differential qualities of this program.

This mastery of the subject is complemented by the effectiveness of the methodology used in the design of the program. It has been created by a multidisciplinary team of e-learning experts and it integrates the latest advances in educational technology. In this way, students will be able to use a range of convenient and versatile multimedia tools that will give them the operability they during the training.

The design of this program is based on Problem-Based Learning: an approach that views learning as a highly practical process. To achieve this remotely, TECH uses telepractice learning: with the help of an innovative, interactive video system, and Learning from an Expert, students will be able to acquire the knowledge as if they were actually dealing with the case they are learning about. A concept that will make it possible to integrate and fix learning in a more realistic and permanent way.

*Efficiency-based learning guided by the fundamental premise of total flexibility, making the training is compatible with other occupations.*

*With a methodological design based on proven teaching techniques, this Professional Master's Degree will take you through different teaching approaches that will allow to learn in a dynamic and effective way.*



# 02

# Objectives

The objective of this program is to allow students to achieve the highest level of specialization possible in Otorhinolaryngology. This qualification will provide students with progressive and constant specialization, which will include new developments in the field of Otolaryngology.







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*If your goal is to take a step towards achieving the highest medical quality, this is the course for you: A training program that aspires to excellence”*



### General Objective

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- Completely update your knowledge in the different aspects and forms of intervention in Otorhinolaryngology

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*Acquire the necessary knowledge to offer quality practice, providing your patients with expert and effective care”*





## Specific Objectives

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### Module 1. General Otorhinolaryngology

- ◆ Master understanding of the general aspects of Otorhinolaryngology in its location
- ◆ Learn to manage knowledge related to Otorhinolaryngology
- ◆ Know the legal aspects surrounding informed consent and data protection
- ◆ Learn to identify the risk factors associated with Otorhinolaryngology
- ◆ Manage general aspects of Otorhinolaryngology, such as pain, anticoagulation and hemostasis
- ◆ Manage antibiotherapy applied to Otorhinolaryngology (ORL)
- ◆ Acquire histological and histopathological concepts in ORL
- ◆ Learn the concepts of radiological protection in ORL
- ◆ Update on the individual protection of professionals and patients

### Module 2. Oral Cavity and Pharynx Swallowing Disorders

- ◆ Have an in-depth understanding of the anatomical and functional characteristics of the oral cavity and pharynx, as well as the cervical esophagus applied to swallowing and the Pathophysiology of impaired swallowing
- ◆ Know the epidemiology and risk groups, along with the etiology of dysphagia Handle the clinical aspects of dysphagia and its complications, and learn how to clinically and instrumentally examine swallowing disorders
- ◆ Learn the medical, rehabilitative, dietary and surgical management of dysphagia

### **Module 3. Otology and Audiology**

- ♦ Delve into the otological concepts and the Physiopathology of hearing loss in middle ear pathology
- ♦ Learn the functional management of middle ear pathology Delve into the most commonly used surgical techniques
- ♦ Gain in-depth knowledge of the classification of hearing devices: Benefits and limitations
- ♦ Learn how to assess a hearing-impaired patient, decide on the best possible adjustment and evaluate the results

### **Module 4. Laryngology, Voice: Assessment of the Normal and Altered Voice**

- ♦ Describe the anatomy and physiology of phonation and establish the pathophysiological basis of dysphonia
- ♦ Classify phonation disorders and perform voice exploration from different assessment perspectives: subjective and perceptual, aerodynamic, endoscopic, and stroboscopic, among others
- ♦ Integrate the various exploratory forms and integrate the examination with the therapeutic indication

### **Module 5. Vestibular Otoneurology: Update on Positional Vertigo and Innovative Aspects of Lesser-Known Balance Disorders Within General ORL**

- ♦ Master the practical aspects of physiology applied to balance and the vestibular system
- ♦ Acquire knowledge of clinical and instrumental examination for balance disorders
- ♦ Understand the most advanced and up to date clinical aspects of positional vertigo, with the most recent guides and multimedia iconography on the different diagnostic and therapeutic maneuvers
- ♦ Know a series of much less frequent vestibular syndromes which can be encountered in professional practice and which, if not known, could be difficult to handle
- ♦ Learn to approach these problems with diagnostic and therapeutic strategies for balance disorders

### **Module 6. Rhinology and Anterior Skull Base**

- ♦ Assess, indicate and perform different surgical techniques to improve nasal respiratory function through the correct management of the nasal pyramid
- ♦ Manage the main complication, septal perforation
- ♦ Improve the indication and endoscopic surgical techniques in nasosinus pathologies that are becoming more and more common in ORL practice



### **Module 7. Head and Neck Pathology I**

- ◆ Know the anatomy and physiology of the cervical region, as well as its clinical examination and diagnostic imaging
- ◆ 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.

### **Module 8. Head and Neck Pathology II**

- ◆ Gain in-depth knowledge of the different types of tumor that affect the upper aerodigestive tract Learn clinical practice, endoscopic findings and imaging tests that enable diagnosis
- ◆ Become familiar with the multidisciplinary treatment involved in managing these tumors

### **Module 9. Update on Facial Paralysis**

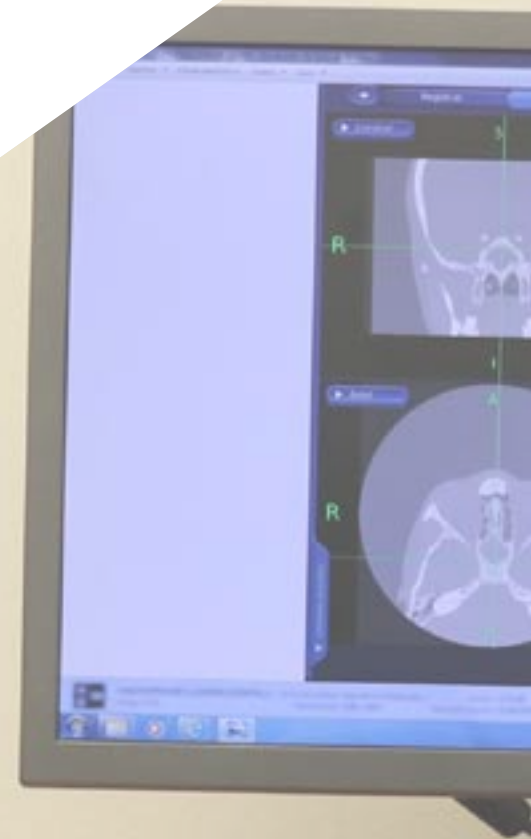
- ◆ Delve into the pathology of the facial nerve, its origin and its form of presentation
- ◆ Assess facial paralysis and interpret studies for its effective treatment depending on whether it is in the acute or establish deformity phase

### **Module 10. Update in ORL Infections in Childhood**

- ◆ Understand infectious pathology in childhood, including the general aspects of the immune system in the airway of a child and the antibiotic guidelines
- ◆ Apply the best therapeutic and antibiotic strategy in the treatment of each of the most common childhood infections

# 03 Skills

Medicine is a constantly evolving and developing field. This means that professionals in the field must be truly passionate about their work: continuous retraining and updating is one of the essential requirements to remain at the forefront, with the quality that medical practice requires. This program allows students to acquire the necessary skills in this area. A very complete approach, in a high-level master's degree, which makes the difference.





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*This highly effective Professional Master's Degree will equip you with the necessary skills to meet the needs of patients in any area of Otorhinolaryngology”*



## General Skills

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- Have in-depth knowledge of the essential general aspects required to practice Otorhinolaryngology, some of which relate to clinical management, others to general clinical management
- Deepen in the anatomical and functional characteristics of the ear, oral cavity and pharynx, as well as the cervical esophagus, applied to swallowing and the pathophysiology of impaired swallowing
- Understand clinical practice in cases of dysphagia and its complications, and learn how to clinically and instrumentally explore swallowing disorders
- Manage dysphagia from a medical, rehabilitative, dietary and surgical point of view

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*A path to achieve knowledge and professional growth that will propel you towards a greater level of competitiveness in the employment market”*







## Specific Skills

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- ♦ Gain improved knowledge of the characteristics of middle ear pathology that can cause hearing loss, as well as the diagnostic techniques and the basis for indications of functional surgery
- ♦ Perform a laryngeal examination based on endoscopy and the sophisticated methods of objective voice analysis
- ♦ Define and learn all the aspects related to systemic examinations of the voice and the therapeutic application
- ♦ Master the practical aspects of physiology applied to balance and the vestibular system
- ♦ Acquire knowledge of clinical and instrumental examination for balance disorders
- ♦ Understand the most advanced and up to date clinical aspects of positional vertigo with the most recent guides and multimedia iconography on the different diagnostic and therapeutic maneuvers
- ♦ Know a series of much less frequent vestibular syndromes which can be encountered in professional practice and which, if not known, could be difficult to handle
- ♦ Learn to approach these problems with diagnostic and therapeutic strategies for balance disorders
- ♦ Assess, indicate and perform different surgical techniques to improve nasal respiratory function through the correct management of the nasal pyramid, as well as the management of the main complication, septal perforation
- ♦ Improve the indication and endoscopic surgical techniques in nasosinus pathologies that are becoming more and more commonly seen by otolaryngologists
- ♦ Know the anatomy and physiology of the cervical region, as well as its clinical examination and diagnostic imaging
- ♦ 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
- ♦ Gain a deeper understanding of the facial nerve pathology, its origin and how it manifests itself, how to assess it and how to interpret the studies to evaluate the best indication. This can be in the acute phase or in the phase where a deformity is already present, where effective corrective treatments can be proposed
- ♦ Understand infectious pathology in childhood, including the general aspects of the immune system in the airway of a child and the antibiotic guidelines

# 04

# 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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*An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed”*

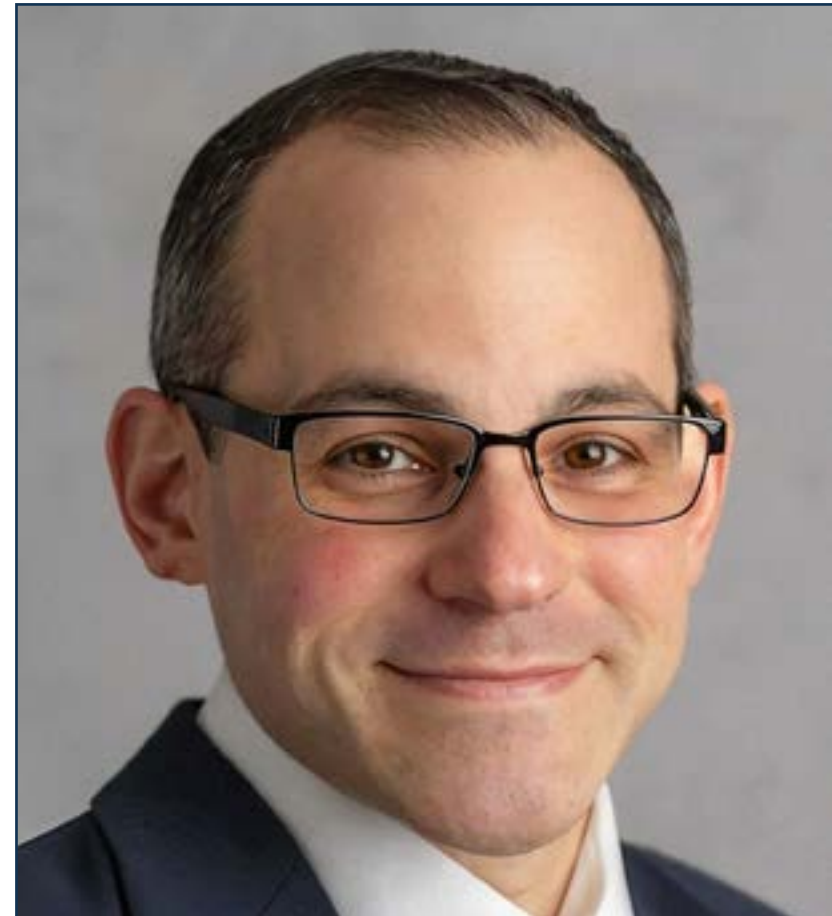
## International Guest Director

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

- ◆ Chief of the Otorhinolaryngology (ORL) Department, Rey Juan Carlos University Hospital, Madrid
- ◆ Associate Professor of ORL, Rey Juan Carlos University
- ◆ General Secretary of the Spanish Society of ORL Head and Neck Surgery
- ◆ Member of the Dysphagia Research Group of the European Laryngological Society



## Professors

### Dr. Lavilla Martín de Valmaseda, Maria José

- ◆ Degree in Medicine and Surgery, University of Zaragoza
- ◆ Specialist in Otorhinolaryngology and Cervicofacial Surgery, completed the period of Internal Medical Resident from 1989 to 1992, Salamanca Clinical Hospital
- ◆ Specialist in Otorhinolaryngology and Cervicofacial Surgery

### Dr. Méndez-Benegassi Silva, Ivan

- ◆ Collaborative Professor at Rey Juan Carlos University and the European University, Madrid
- ◆ Degree in Medicine and Surgery from the Faculty of Medicine and Dentistry at the University of Santiago de Compostela, Galicia, Spain
- ◆ Residency in Internal Medicine in Otorhinolaryngology, Jiménez Díaz Foundation Hospital Autonomous University of Madrid (UAM)
- ◆ Maxillofacial Surgery Assistant during residency placement at Jiménez Díaz Foundation Hospital, including 1st assistant in general surgery and other surgical specialities
- ◆ Member of the Spanish Society of Otorhinolaryngology and Cervicofacial Pathology (SEORL-PCF)

### Dr. de Toro Gil, Laura

- ◆ ORL Specialist, Rey Juan Carlos I University Hospital
- ◆ ORL Specialist, HLA Moncloa University Hospital
- ◆ ORL Specialist, Univeristy Hospital of Guadalajara
- ◆ ORL Specialist, Cruz Verde Clinic, Alcalá de Henares, Madrid

05

# Structure and Content

The contents of this Professional Master's Degree 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 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 toward learning that is compatible with personal and professional life”*

### Module 1. General Otorhinolaryngology

- 1.1. Concept and Positioning of Otorhinolaryngology
- 1.2. Knowledge Management Systems Related to Otorhinolaryngology
- 1.3. Basis of Informed Consent and Data Protection
- 1.4. Risk Factors Associated with Otorhinolaryngology (ORL)
- 1.5. Pain Management in ORL
- 1.6. Anticoagulation and Hemostasis Management: Fluid Therapy in ORL
- 1.7. Aspects of Antibiotherapy Management in ORL
- 1.8. Histological and Histopathological Concepts in ORL
- 1.9. Radiological Protection Concepts in ORL
- 1.10. Update knowledge on the individual protection of professionals and patients

### Module 2. Oral Cavity and Pharynx Swallowing Disorders

- 2.1. Anatomic-physiology of Normal and Pathological Swallowing
- 2.2. Epidemiology and Etiopathogenesis of the dysphagia
- 2.3. Clinical Swallowing Disorders
- 2.4. Respiratory and Nutritional Complications: Nutritional Assessment
- 2.5. Clinical Examination of Swallowing Disorders
- 2.6. Instrumental Endoscopic Examination
- 2.7. Instrumental Radiological Examination
- 2.8. Basis of Nutritional Management in Dysphagia
- 2.9. Basis of Rehabilitation Management in Dysphagia
- 2.10. Surgical Treatment of Dysphagia

### Module 3. Otology and Audiology

- 3.1. Hearing Loss. Classification and Etiology
- 3.2. Hearing Loss Diagnosis
- 3.3. Treating Hearing Loss: Non-implantable Devices
- 3.4. Treating Hearing Loss: Bone Conduction Implants
- 3.5. Treating Hearing Loss: Middle-Ear Implants
- 3.6. Treating Hearing Loss: Cochlear and Brainstem Implants

- 3.7. Audiology Applied to the Selection of Devices
- 3.8. Treatment of Conductive and Mixed Hearing Loss in Chronic Otitis Media and Middle Ear Surgery
- 3.9. Treating Severe and Profound Sensorineural Hearing Loss in Chronic Hearing Problems
- 3.10. Unilateral Hearing Loss

### Module 4. Laryngology, Voice: Assessment of the Normal and Altered Voice

- 4.1. Anatomy and Physiology of Phonation
- 4.2. Pathophysiological Basis of Dysphonia
- 4.3. Clinical Management and Classification of Phonation Disorders
- 4.4. Voice Exploration: Subjective and Perceptual Examination
- 4.5. Voice Exploration: Aerodynamic Examination
- 4.6. Voice Exploration: Endoscopic Examination
- 4.7. Voice Exploration: Stroboscopy
- 4.8. Voice Assessment: Vocal Acoustic Analysis
- 4.9. Integration of Various Examination Techniques
- 4.10. Interaction Between Examination and Treatment Indications

### Module 5. Vestibular Otoneurology: Update on Positional Vertigo and Innovative Aspects of Lesser-Known Balance Disorders Within General ORL

- 5.1. Vestibular Anatomy and Physiology
- 5.2. Otoneurology Examination
- 5.3. Benign Paroxysmal Positional Vertigo (BPPV)
- 5.4. BPPV Horizontal Semicircular Canal
- 5.5. Complex BPPV and Less Common Forms
- 5.6. Other Less Common Forms Vestibular Paroxysmia
- 5.7. Other Less Common Forms Superior Semicircular Canal Dehiscence Syndrome (SCDS) and Third Window Syndrome
- 5.8. Bilateral Vestibular CANVAS Syndrome
- 5.9. Persistent Postural Perceptual Dizziness (PPPD)
- 5.10. Vertigo in Emergencies Acute Vestibular Syndrome HINTS Protocol

## Module 6. Rhinology and Anterior Skull Base

- 6.1. Applied Anatomy
- 6.2. Subjective and Objective Assessment of the Nasal Form and Function
- 6.3. Basic Surgical Techniques
- 6.4. Advanced Surgical Techniques
- 6.5. Septal Perforation Closure
- 6.6. Nasosinus Endoscopic Surgery in Acute and Chronic Rhinosinusitis
- 6.7. Nasosinus Endoscopic Surgery in Chronic Rhinosinusitis with Nasosinus Polyposis
- 6.8. Endoscopic Dacryocystorhinostomy
- 6.9. Management of CSF Fistulas
- 6.10. Most Common Endoscopic Approaches Used on the Anterior Skull Base

## Module 7. Head and Neck Pathology I

- 7.1. Anatomy and Physiology of the Cervical Region: Exploration
- 7.2. Epidemiology of Cervical Masses
- 7.3. Benign Cervical Masses
- 7.4. Malignant Cervical Masses
- 7.5. Adenopathies of Unknown Origin
- 7.6. Assessment of Cervical Masses
- 7.7. Imaging Tests of the Neck PET-CT Scans in Cervical Masses
- 7.8. Histological Basis of Cervical Tumor Pathology
- 7.9. Diagnostic Strategy in Cervical Masses
- 7.10. Monitoring of Adenopathies of Unknown Origin

## Module 8. Head and Neck Pathology II

- 8.1. Basis of Head and Neck Oncology
- 8.2. Tumors of the Oral Cavity and Oropharynx
- 8.3. Rhinopharyngeal or Cavum Tumors
- 8.4. Larynx and Hypopharynx Tumors
- 8.5. Treatment of Pharyngolaryngeal Tumors
- 8.6. Open Surgery in Head and Neck Tumors

- 8.7. Minimally Invasive Surgery: Transoral Laser, Ultrasonic and Robotic Surgery Non-surgical Treatment
- 8.8. Reconstructive Surgery in Head and Neck Oncology
- 8.9. Non-Surgical Treatment in Head and Neck Oncology
- 8.10. Functional Rehabilitation of the Head and Neck Oncology Patient

## Module 9. Update on Facial Paralysis

- 9.1. General Aspects of Facial Nerve Pathology
- 9.2. Anatomy and Pathophysiology of Facial Paralysis
- 9.3. Etiopathogenesis of Facial Paralysis
- 9.4. Management of Peripheral Facial Paralysis in the Acute Phase
- 9.5. Radiological Evaluation of Facial Paralysis
- 9.6. Neurophysiological Evaluation of Facial Paralysis
- 9.7. Bell's Palsy and Ramsay Hunt Syndrome
- 9.8. Iatrogenic and Traumatic Paralysis
- 9.9. Reparation Techniques of the Facial Nerve and Facial Reinnervation
- 9.10. Dynamic and Static Reconstruction Techniques
- 9.11. Rehabilitation Management of Facial Paralysis
- 9.12. Results and Future Treatment of Facial Paralysis

## Module 10. Update in ORL Infections in Childhood

- 10.1. General Aspects of Defensive and Immune Mechanisms of the Airway in Childhood
- 10.2. Childhood Rhinopharyngitis
- 10.3. Childhood Tonsillitis
- 10.4. Childhood Laryngitis
- 10.5. Childhood Sinusitis and Complications
- 10.6. Acute Otitis Media and Mastoiditis in Childhood
- 10.7. Chronic Otorrhea and Recurrent Otitis in Childhood
- 10.8. Adenitis and Adenomegaly in Children
- 10.9. Mumps and Adenomegaly in Children
- 10.10. Therapeutic and Antibiotic Strategy in Childhood

06

# 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. 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 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 educational system for presenting multimedia content 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.



# 07 Certificate

The Professional Master's Degree in Update on Otorhinolaryngology guarantees, in addition to the most rigorous and updated training, access to a Professional Master's Degree issued by TECH Global University.





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

This program will allow you to obtain your **Professional Master's Degree diploma in Update on Otorhinolaryngology** endorsed by **TECH Global University**, the world's largest online university.

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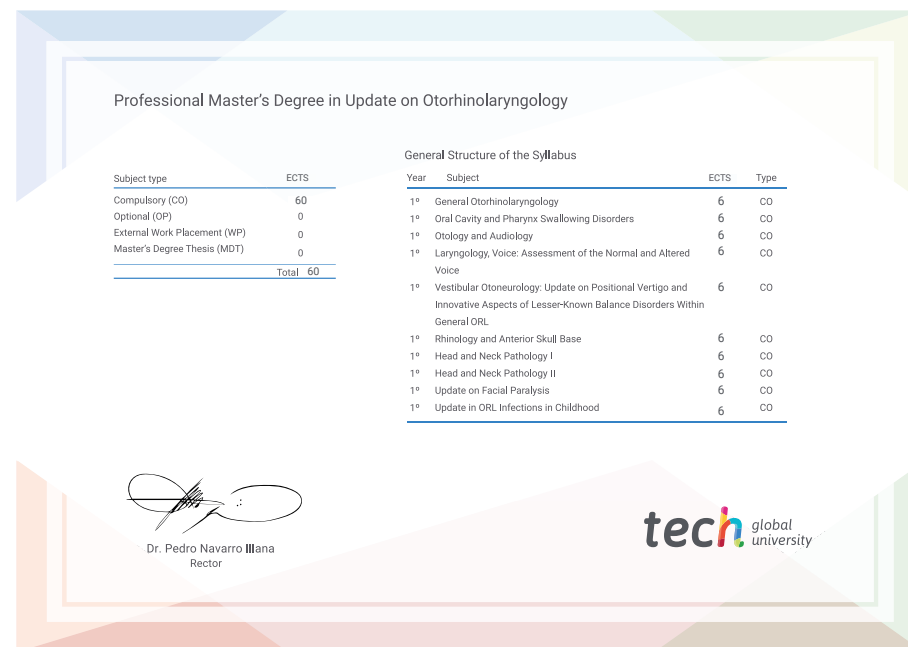
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Title: **Professional Master's Degree in Update on Otorhinolaryngology**

Modality: **online**

Duration: **12 months**

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## Professional Master's Degree

Update on  
Otorhinolaryngology

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

# Professional Master's Degree

## Update on Otorhinolaryngology

