

Postgraduate Certificate Vestibular Otoneurology



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Course Modality: Online

Duration: 2 months

Certificate: TECH - Technological University

6 ECTS

Teaching Hours: 150

Website: www.techitute.com/us/medicine/postgraduate-certificate/vestibular-otoneurology

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01

Introduction

Vestibular Otoneurology tries to respond to the need to update professionals in ORL, facing the frequent balance-related pathology and the vertiginous sensation that professionals encounter in consultation. This Postgraduate Certificate arises in response to this need for complete updating, bringing together in a single training all the developments and advances medical professionals need.





“

The most comprehensive update on vestibular disorders in OLR in a premium program”

Otoneurology has been defined as the discipline integrated in Otorhinolaryngology that studies the relationship between the ear and the central nervous system. Although Audiology was once the study of hearing disorders, we are going to limit ourselves to balance disorders and, more specifically, we will provide an update on the most common vestibular condition, which is Positional Vertigo. The process of updating through the publication of numerous works and diagnostic and therapeutic guides that have modified the knowledge usually acquired by the general ORL, thus presenting an important update on this subject that will allow the general ORL to face this very common problem with much more consistency.

Moreover, a series of uncommon vestibular processes will be presented, even some of very recent description, which will help specialists to become familiar with cases that, although infrequent, we can find in consultation and can be frustrating if we do not have the appropriate knowledge to deal with them. That is why they are presented as a topic that we believe will be of great help to specialists in their professional practice.

This online Postgraduate Certificate offers you the characteristics 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.
- ♦ Availability of content from any fixed or portable device with internet connection.
- ♦ Supplementary documentation databases are permanently available, even after the course.



One of the most frequent issues in primary medicine, with all the updates and advances at your fingertips and all in one place”

“

The quality of this training ensures that you will be trained in the most relevant aspects of current developments in this field”

Our teaching staff is composed of medical professionals, practising specialists. That way we can be sure to offer you the training update we aim to provide. 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 put at the service of the course the practical knowledge derived from their own experience: one of the differential qualities of this training.

The efficiency of the methodological design of this master's degree, enhances the student's understanding of the subject. 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: 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.

Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster immersion and a much more realistic view of the contents: “learning from an expert.”



02 Objectives

The objective of this training is to allow you to achieve the highest level of specialization possible in Vestibular Otoneurology. Through a training created to specialize you in a progressive and constant way, you will learn and integrate the new developments that have been taking place in the field.





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Learn the latest work methods in vestibular disorders from the ORL perspective in a high intensity training course”

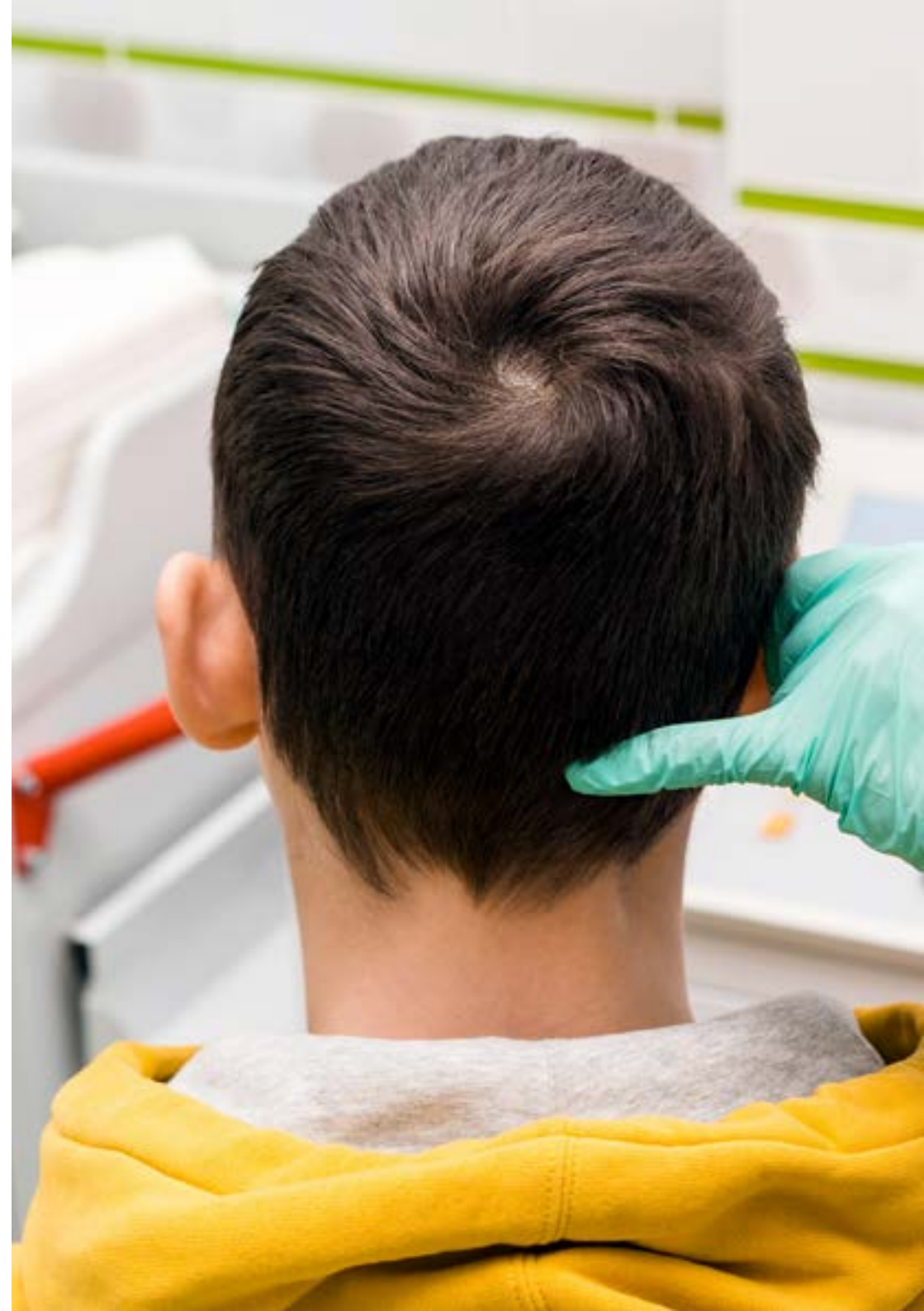


General Objective

- Completely update your knowledge on the different aspects and interventions in Vestibular Otoneurology.

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An opportunity created for professionals who are looking for an intensive and effective course with which to take a significant step forward within their profession”





Specific Objectives

- ◆ Master knowledge of 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 deal with. Learn to approach these problems with diagnostic and therapeutic strategies for balance disorders.

03

Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. 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

- ♦ 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

Professors

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.

Dr. Lavilla Martín de Valmaseda, Maria José

- ♦ Degree in Medicine and Surgery from the University of Zaragoza. (Promotion 1981-1987)
- ♦ 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, January 1993

Dr. Méndez-Benegassi Silva, Ivan

- ♦ Medicine and Surgery degree. October 1994 Jun 2000. School of Medicine and Odontology Santiago de Compostela University, Galicia. Spain.
- ♦ Medicine internal residency training in Otorhinolaryngology: 1- July- 2002 to 30- June-2006. Jiménez Díaz Foundation Hospital. Autonomous University of Madrid (UAM) Spain.
- ♦ Additional training residency: General surgery on calls and maxilofacial surgery assistant during my residency period in Fundación Jiménez Díaz Hospital, including 1st assistant in general surgery and sometimes in other surgical specialties.
- ♦ PhD teaching courses of the Doctorate program in Medicine and Surgery in the Autonomous University of Madrid (Universidad Autónoma de Madrid ,UAM) achieved

Dr. de Toro Gil, Laura

- ♦ ORL Specialist, REY JUAN CARLOS University Hospital. Full-time Attending Physician, October 2016 to present
- ♦ Moncloa HLA University Hospital, July 2017 to present
- ♦ ORL Specialist, Univeristy Hospital of Guadalajara Full-time Attending Physician from July to October 2016
- ♦ ORL Specialist in CRUZ VERDE Clinic, Alcalá de Henares, Madrid Private Clinic. From May 2016 -June 2017



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

Module 1: Vestibular Otoneurology: Update on Positional Vertigo and Novel Aspects of Balance Disorders Lesser Known to the General Orthopaedic Surgeon

1. Vestibular Anatomy and Physiology
2. Otoneurology Examination
3. Benign Paroxysmal Positional Vertigo (BPPV)
4. BPPV Horizontal Semicircular Canal
5. Complex BPPV and Less Common Forms
6. Other Less Common Forms Vestibular Paroxysmia
7. Other Less Common Conditions: Superior Semicircular Canal Dehiscence Syndrome (UCSDSS) Third Window Syndrome
8. Bilateral Vestibular CANVAS Syndrome
9. Persistent Postural Perceptual Dizziness (PPPD)
10. Vertigo in Emergencies Acute Vestibular Syndrome HINTS Protocol





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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"

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. Gervas, 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.

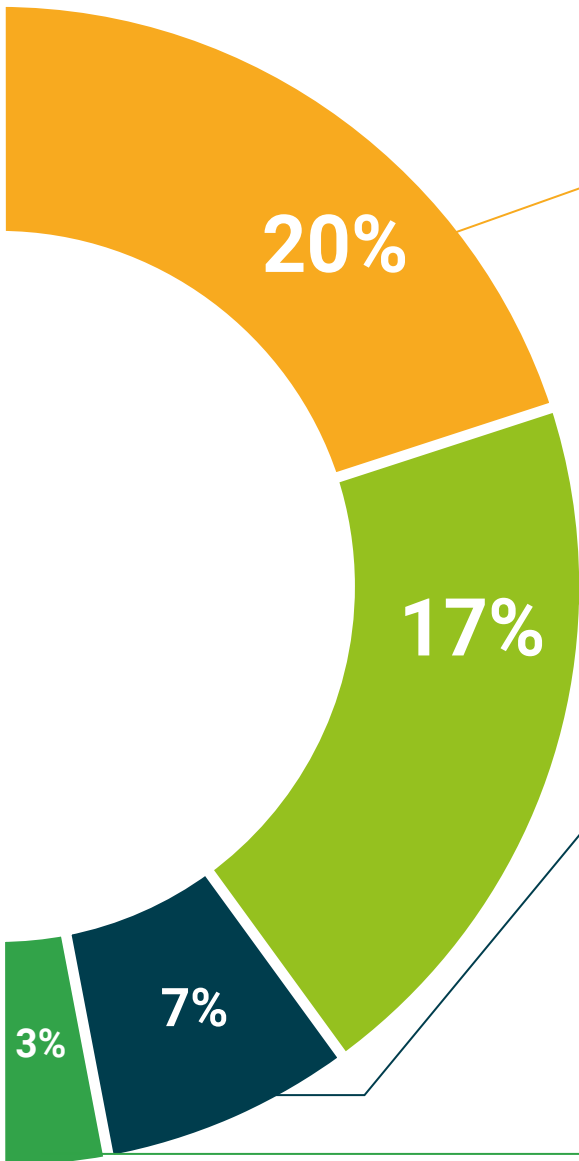
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 you can monitor your progress in 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

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



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Include in your qualifications a Postgraduate Certificate in Vestibular Otoneurology: A highly qualified added value for any medical professional”

This **Postgraduate Certificate in Vestibular Otoneurology** is the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding **certificate** issued by **TECH - Technological University** via **tracked delivery**.

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

Title: Postgraduate Certificate in Vestibular Otoneurology

ECTS: 6

Official Number of Hours: 150



*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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



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Vestibular Otoneurology

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Postgraduate Certificate Vestibular Otoneurology

