

# Postgraduate Diploma

Exploration and Treatment of  
Visual Problems in Children



## Postgraduate Diploma

### Exploration and Treatment of Visual Problems in Children

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/pk/medicine/postgraduate-diploma/postgraduate-diploma-exploration-treatment-visual-problems-children](http://www.techtitute.com/pk/medicine/postgraduate-diploma/postgraduate-diploma-exploration-treatment-visual-problems-children)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 22*

06

Certificate

---

*p. 30*

# 01

# Introduction

Childhood blindness is not as frequent as it is in adulthood, although emotionally it affects in greater proportions. This type of pathologies are the direct consequence of not having submitted the child to a periodic ophthalmologic control from an early age. The importance of early detection and timely intervention should be emphasized, as many childhood vision problems respond well to treatment when addressed in the early stages of visual development. With these factors in mind, TECH presents a program that ensures mastery of the latest techniques in the Exploration and Treatment of Visual Problems in Children. This academic qualification allows students to take it completely online, through an innovative methodology: Relearning.



“

*Get updated with TECH in the most current and innovative techniques in Exploration and Treatment of Visual Problems in Children. Enroll now!”*

Screening and treatment of ocular pathologies in infants are critical to ensure healthy visual development from an early age and avoid lifelong visual disorders. Regular ophthalmologic examinations are essential to identify and treat any problems proactively, allowing to adapt specific intervention strategies for each child. For all this, it is vital that the physician is updated in the most effective practices of Pediatric Ophthalmology.

In this context, TECH offers specialists a program thanks to which they will acquire in-depth knowledge in refraction, amblyopia and congenital cataracts, investigating the functioning of the visual system in children. They will also investigate optics, addressing ametropia and accommodation disorders. Not to mention leukocoria as a sign of various ocular pathologies, providing guidelines for its evaluation.

Likewise, the professional will delve into the complexities of retinal disorders and their treatments. Diseases such as retinoblastoma, pathologies related to prematurity and hereditary disorders will be analyzed. Also, retinal vascular anomalies, acquired disorders and retinal detachment in the pediatric age will be discussed.

Likewise, students will be invited to dive into the diagnosis and therapies to treat infantile strabismus. They will be able to differentiate each type, including endotropias, exotropias and vertical strabismus. In addition, they will examine alphabetic patterns and congenital cranial disinnervative disorders. Finally, oculomotor palsies will be discussed in depth, presenting the non-surgical treatment options as well as the available surgical interventions.

This Postgraduate Diploma will provide the graduate with a robust theoretical foundation, supported by its practical application in the real world. With the support of an outstanding team of experts in Pediatric Ophthalmology, the best academic results will be assured. TECH offers access to a revolutionary learning methodology: Relearning, which is based on the repetition of key concepts for an effective assimilation of knowledge.

This **Postgraduate Diploma in Exploration and Treatment of Visual Problems in Children** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ The development of case studies presented by experts in Exploration and Treatment of Visual Problems in Children
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



*Opt for this Postgraduate Diploma and you will become a pioneer in Pediatric Ophthalmology, promoting optimal ocular health in childhood"*

“

*You will learn more about accommodation disorders, whose most severe cases can lead to muscle spasms, thanks to state-of-the-art teaching resources”*

The program’s teaching staff includes professionals from the field who contribute their work experience to this educational program, 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 immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*With this Postgraduate Diploma you will master orthoptic therapy as an option to address strabismus without resorting to surgery.*

*You will address retinopathy of prematurity, a condition that may require surgical interventions to prevent partial vision loss or blindness.*



# 02 Objectives

The purpose of this program is to provide the professional with an up-to-date knowledge and skills in the field of Examination and Treatment of Visual Problems in Children. The Postgraduate Diploma will not only focus on theory, but will also provide the physician with the practical skills necessary for the treatment of pediatric ophthalmologic pathologies. From prescribing corrective lenses to more specialized interventions for conditions such as strabismus or amblyopia, the specialist will be able to identify visual problems from early stages, intervening proactively to ensure healthy visual development.







“

*Enroll now and invest in your skills to provide quality eye care to children”*



## General Objectives

---

- ◆ Acquire a thorough and up-to-date knowledge of the diagnosis and treatment of ophthalmologic conditions in children, including neonates and infants
- ◆ Become familiar with the diagnosis and management of pediatric glaucoma, pediatric uveitis, aniridia and other conditions related to the anterior segment
- ◆ Acquire specific knowledge of retinopathy of prematurity, retinoblastoma, hereditary retinal disorders, retinal vascular anomalies, pediatric retinal detachment, and other pediatric retinal conditions
- ◆ Delve into the field of pediatric neuro-ophthalmology, covering topics such as nystagmus, supranuclear motility disorders, congenital optic nerve anomalies and hereditary optic neuropathies

“

*You'll make a difference with this comprehensive update on Visual Screening and Treatment of Visual Problems in Children”*





## Specific Objectives

---

### Module 1. Refraction, Amblyopia and Congenital Cataract

- ♦ Understand basic optical principles and their relationship to ocular refraction
- ♦ Identify accommodative disorders, such as accommodative insufficiency, and its diagnosis in children
- ♦ Recognize amblyopia as a common visual problem in childhood and its causes
- ♦ Identify leukocoria as a warning sign of severe ocular disease in children
- ♦ Understand the characteristics and causes of congenital cataract in children
- ♦ Deepen the surgical treatment options for congenital cataract in the pediatric population
- ♦ Study more complex cases of congenital cataract and its surgical solutions
- ♦ Know the strategies to rehabilitate vision in children with congenital cataract

### Module 2: Pediatric Retina

- ♦ Identify the clinical and genetic characteristics of retinoblastoma in children
- ♦ Address therapeutic strategies for retinoblastoma in the pediatric population
- ♦ Studying the retinopathy of Childhood its risk factors
- ♦ Identify inherited retinal disorders in childhood and their natural history
- ♦ Evaluate prognosis and treatment options for retinal disorders in children
- ♦ Recognize genetic syndromes associated with retinal disorders in children
- ♦ Study rare retinal disorders in childhood and their diagnosis
- ♦ Identify retinal vascular anomalies in children and their association with visual problems
- ♦ Recognize acquired disorders of the pediatric retina, such as inflammatory retinopathies
- ♦ Evaluate cases of retinal detachment in children and their etiology

### Module 3: Childhood Strabismus

- ♦ Understand the basic concepts behind computer systems
- ♦ Identify and differentiate endotropias in children
- ♦ Evaluate Non-Surgical Treatment Options and surgical
- ♦ Recognize and classify exotropia in children
- ♦ Study vertical strabismus in childhood and its clinical implications
- ♦ Identify alphabetic patterns of strabismus in children and their diagnosis
- ♦ Understand congenital cranial disinervative disorders and their relationship to strabismus
- ♦ Recognize oculomotor palsies in the pediatric population and their causes
- ♦ Study non-surgical treatment options, such as vision therapy, for pediatric strabismus
- ♦ Recognize and address potential complications following strabismus surgery in children

03

# Course Management

This academic qualification has a teaching team made up of leading professionals in the field of Pediatric Ophthalmology. A group of experts thanks to which the doctor will deepen, not only in theory, but also in the practical skills essential for the implementation of specialized treatments for Visual Problems in Children. Through the study of real clinical cases, as well as the teachers' own extensive and rich experience after working in leading hospitals, the graduate will strengthen his or her skills and will be able to apply them effectively to their daily practice.





“

*The distinguished faculty of this Postgraduate Diploma, composed of experts in Pediatric Ophthalmology, will guide you through real clinical cases”*

## Management



### Dr. Sánchez Monroy, Jorge

- ♦ Corresponsable for Pediatric Ophthalmology at Quirónsalud Hospital in Zaragoza
- ♦ Specialist in the Ophthalmology Miguel Servet University Hospital in Zaragoza
- ♦ Master'in in Clinical Ophthalmology from UCJC
- ♦ Degree in Medicine from the University of Zaragoza
- ♦ Expert in Pediatric Neurophthalmology and Strabismus
- ♦ Postgraduate Diploma in Ophthalmology and Vision Sciences

## Professors

### Dr. Munuera Rufas, Inés

- ♦ Ophthalmology Assistant Physician in
- ♦ Researcher in the FIS Project of the Instituto de Investigación Sanitaria de Aragón (ISSA).
- ♦ Doctor in Ophthalmology
- ♦ Master's Degree in Clinical Medicine from the Camilo José Cela University
- ♦ PROFESSIONAL MASTER'S DEGREE in Ophthalmology Medicine from Cardenal Herrera University.
- ♦ Graduate in Medicine
- ♦ University Expert in Ophthalmic Surgery, Glaucoma and Pediatric Ocular Pathology, Ocular Pathologies and Treatment and Uveitis and Retina, by Cardenal Herrera University.
- ♦ Member of the Miguel Servet Ophthalmology Research and Innovation Group (GIMSO).

### Dr. Romero Sanz, María

- ♦ Specialist in the Ophthalmology Miguel Servet University Hospital in Zaragoza
- ♦ Master' in in Clinical Ophthalmology at CEU Cardenal Herrera University
- ♦ Master's Degree in Clinical Medicine at the Camilo José Cela University.
- ♦ Grade in Medicine and Surgery from the Faculty of Medicine of the Zaragoza University.
- ♦ Expert in Ophthalmic Surgery at the University CEU Cardenal Herrera
- ♦ Expert in Pathologies and Eye Treatment CEU Cardenal Herrera University.
- ♦ Expert in Uveitis and the Retina CEU Cardenal Herrera University.

**Dr. Narváez Palazón, Carlos**

- ♦ Attending Physician in Pediatric Ophthalmology
- ♦ Specialist in Ophthalmology in San Carlos Clinical Hospital
- ♦ Doctor in Ophthalmology
- ♦ Master's Degree in Integration and Clinical Cases Solving from the University of Alcalá, Spain.
- ♦ Master's Degree in Clinical Management, Medical and Healthcare Management from the CEU San Pablo University

**Dr. Pueyo Royo, Victoria**

- ♦ Specialist in the Pediatric Ophthalmology Miguel Servet University Hospital in Zaragoza
- ♦ Member of the Maternal, Child and Developmental Health Network
- ♦ Professor, Grade of Optics and Optometry, University of Zaragoza
- ♦ Grade in Pediatric Ophthalmology

**Dr. D'anna Mardero, Oriana**

- ♦ Attending physician at the the Pediatrics Unit of the la Paz University Hospital from Madrid
- ♦ Area Specialist in Hospitals of the Public Health System
- ♦ Doctor in Ophthalmology
- ♦ Degree in Medicine and Surgery from Universidad Centroccidental Lisandro Alvarado.

**Dr. González, Inmaculada**

- ♦ Specialist in the Pediatric Ophthalmology Miguel Servet University Hospital Zaragoza
- ♦ Area Specialist in Psychiatry
- ♦ Member of the Spanish Society of Ophthalmology
- ♦ Member of the Spanish Society of Strabology
- ♦ Professor for the Ophthalmology Degree in Orthodontics, CEU Cardenal Herrera University
- ♦ Bachelor in Medicine and Surgery from the University of Zaragoza

**Dr. Arias Del Peso, Borja**

- ♦ Ophthalmology Assistant Physician in
- ♦ Clinical Research
- ♦ Doctor in Ophthalmology
- ♦ Master's Degree in Image-Based Diagnosis of Retinal Pathology
- ♦ Professional Master's in Initiation to Research in Medicine
- ♦ Degree in Medicine

**Dr. Pinilla, Juan**

- ♦ Attending Physician of Pediatric Ophthalmology Unit, Miguel Servet University Hospital
- ♦ Specialist in the Pediatric Ophthalmology Miguel Servet University Hospital in Zaragoza
- ♦ Doctorate in Medicine and Surgery, University of Zaragoza
- ♦ Professional Master's in Initiation to Research in Medicine
- ♦ Degree in Medicine from the University of Zaragoza

**Dr. Prieto Calvo, Esther**

- ♦ Specialist in the Pediatric Ophthalmology Miguel Servet University Hospital in Zaragoza I
- ♦ Researcher in the Teaching Innovation Incentive Project of the UZ.
- ♦ Researcher of the Thematic Network of Cooperative Research.
- ♦ Specialist in Ophthalmology.
- ♦ Doctor from the University of Zaragoza
- ♦ Degree in Medicine
- ♦ Member of the Spanish Society of Pediatric Ophthalmology

# 04

# Structure and Content

The Postgraduate Diploma is carefully designed to offer a comprehensive educational experience. From theoretical fundamentals to practical applications, each module will enable the specialist to acquire the in-depth knowledge and skills essential for Pediatric Ophthalmic care. From assessing ocular health to identifying refractive problems and implementing specialized treatments, each topic will guide the graduate to address unique challenges. In addition, revolutionary educational technologies and cutting-edge methodologies have been integrated, such as Relearning, which will facilitate the effective assimilation of key concepts through repetition.





“

*You will be immersed in a comprehensive approach that goes beyond simple optical correction. Take advantage of this unique opportunity offered by TECH!"*

## Module 1. Refraction, Amblyopia and Congenital Cataract

- 1.1. Fundamentals of Optics and Refraction I
  - 1.1.1. Light and refraction laws
  - 1.1.2. Optical elements of the eye
  - 1.1.3. Basic Concepts of Accommodation
  - 1.1.4. Optical aberrations, dispersion and diffraction  
Polarization Polarization
  - 1.1.5. Basic concepts of ametropia
- 1.2. Fundamentals of Optics and Refraction II
  - 1.2.1. Objective and subjective refraction
  - 1.2.2. Visual therapy: general lines
  - 1.2.3. Pediatric contact lens therapy: aphakia, myopia control and ortho-K
  - 1.2.4. New technologies and advances in pediatric refractive correction
- 1.3. Specimen Handling
  - 1.3.1. Childhood Education
  - 1.3.2. Hyperopia in children
  - 1.3.3. Astigmatism in Pediatric La Population
  - 1.3.4. Contemporary approaches in the management of refractive errors
- 1.4. Accommodation Disorders
  - 1.4.1. Role of accommodation in infant vision
  - 1.4.2. Assessment and diagnosis of accommodation insufficiency
  - 1.4.3. Excess convergence and its impact on vision
  - 1.4.4. Clinical cases and challenges in the treatment of accommodation disorders
- 1.5. Amblyopia
  - 1.5.1. Definition and Diagnoses of the Amblyopia
  - 1.5.2. Risk factors and causes of amblyopia in children
  - 1.5.3. Assessment of Stereoscopic Visual Acuity
  - 1.5.4. Vision Amblyopia and Diseases
- 1.6. Amblyopia: treatment
  - 1.6.1. Occlusive therapy and penalization
  - 1.6.2. Reverse occlusion and atropine therapy
  - 1.6.3. Therapy of amblyopia in adults
  - 1.6.4. Follow-up and long-term results in amblyopia therapy



- 1.7. Leukocoria
    - 1.7.1. Definition and Characteristics of a Leukocoria
    - 1.7.2. Causes of Leukocoria in the Childhood
    - 1.7.3. Ophthalmologic diagnosis and evaluation
    - 1.7.4. Retinoblastoma: Diagnosis and Treatment
    - 1.7.5. Multidisciplinary approach to leukocoria cases
    - 1.7.6. Other conditions associated with leukocoria
  - 1.8. Congenital Cataracts
    - 1.8.1. Diagnosis and Classification of Lymphedema
    - 1.8.2. Medical and Surgical Treatment of Toxocariasis
    - 1.8.3. Complications and follow-up in congenital cataracts
    - 1.8.4. Clinical cases and special considerations
  - 1.9. Congenital Cataracts
    - 1.9.1. Congenital cataract-associated anomalies
    - 1.9.2. Management of cataracts in premature infants
    - 1.9.3. Traumatic cataracts in children
    - 1.9.4. Innovations in pediatric cataract surgery
  - 1.10. Congenital Cataract III
    - 1.10.1. Visual development in children with congenital cataracts
    - 1.10.2. Visual rehabilitation in cataract patients
    - 1.10.3. Research and advances in the treatment of pediatric cataracts
    - 1.10.4. Success and prognosis in the management of congenital cataracts
- Module 2. Pediatric Retina**
- 2.1. Retinoblastoma
    - 2.1.1. Epidemiology and Risk Factors
    - 2.1.2. Diagnosis and classification of retinoblastoma
    - 2.1.3. Treatment methods: enucleation and eye preservation
    - 2.1.4. Outcome and follow-up in retinoblastoma
  - 2.2. Retinoblastoma: treatment
    - 2.2.1. Advanced treatments in retinoblastoma
    - 2.2.2. Complications and management of side effects
    - 2.2.3. Survival and quality of life in patients with retinoblastoma
    - 2.2.4. Clinical cases and case studies in retinoblastoma
  - 2.3. Retinopathy of Prematurity
    - 2.3.1. Pathophysiology of retinopathy of prematurity
    - 2.3.2. Staging of ROP
    - 2.3.3. Evaluation and diagnosis of ROP
    - 2.3.4. Long-term outcomes in ROP
  - 2.4. Retinopathy of prematurity: treatment and follow-up
    - 2.4.1. Therapeutic management options in retinopathy of prematurity
    - 2.4.2. Long-term follow-up and care in patients with ROP
    - 2.4.3. Prevention and management strategies in ROP
    - 2.4.4. Clinical cases and experiences in ROP
  - 2.5. Hereditary retinal disorders I
    - 2.5.1. Retinitis pigmentosa: diagnosis and classification
    - 2.5.2. Genetic approach in hereditary retinal disorders
    - 2.5.3. Therapies and treatments in retinitis pigmentosa
    - 2.5.4. Research and advances in gene therapies
  - 2.6. Hereditary Retinal Disorders II
    - 2.6.1. Cone and rod dystrophies: diagnosis and management
    - 2.6.2. Atrophy of the retinal pigment epithelium (AERP)
    - 2.6.3. Therapies and treatments in hereditary retinal dystrophies
    - 2.6.4. Comprehensive approach to patients with hereditary retinal disorders
  - 2.7. Hereditary Retinal Disorders III
    - 2.7.1. Choroideremia: diagnosis and therapeutic approach
    - 2.7.2. Usher syndrome and other rare diseases
    - 2.7.3. Quality of life and psychological support in patients with hereditary disorders
    - 2.7.4. Clinical cases and research advances
  - 2.8. Retinal vascular anomalies
    - 2.8.1. Retinal hemangiomas and telangiectasias
    - 2.8.2. Retinal vascular malformations
    - 2.8.3. Diagnosis and treatment of vascular anomalies
    - 2.8.4. Visual outcome and prognosis in patients with vascular anomalies
  - 2.9. Acquired disorders
    - 2.9.1. Ocular trauma in childhood
    - 2.9.2. Inflammation e infection of the retina in children
    - 2.9.3. Pediatric age-related macular degeneration
    - 2.9.4. Other acquired retinal pathologies in children

- 2.10. Retinal detachment in the pediatric age group
  - 2.10.1. Causes and risk factors in pediatric retinal detachment
  - 2.10.2. Clinical evaluation and diagnosis
  - 2.10.3. Medical and surgical treatments in retinal detachment
  - 2.10.4. Outcomes and follow-up in pediatric patients with retinal detachment

### Module 3. Childhood Strabismus

- 3.1. Introduction to strabismus
  - 3.1.1. Definition and basic concepts in strabismus
  - 3.1.2. Importance of strabismus in childhood
  - 3.1.3. Initial evaluation in patients with strabismus
  - 3.1.4. Multidisciplinary approach in pediatric strabismus
- 3.2. Endotropias
  - 3.2.1. Classification and types of endotropias
  - 3.2.2. Etiology and Risk Factors
  - 3.2.3. Diagnosis and examination in endotropias
  - 3.2.4. Medical and surgical treatments in endotropias
- 3.3. Exotropia
  - 3.3.1. Characteristics and classification of exotropia
  - 3.3.2. Diagnosis and evaluation in exotropias
  - 3.3.3. Therapeutic management in exotropia
  - 3.3.4. Visual and functional results in exotropia
- 3.4. Vertical strabismus
  - 3.4.1. Types and classification of vertical strabismus
  - 3.4.2. Evaluation and diagnosis in vertical strabismus
  - 3.4.3. Treatments in vertical strabismus
  - 3.4.4. Approach in complex strabismus
- 3.5. Alphabetic patterns
  - 3.5.1. Alphabetic strabismus patterns: A, V, X, Y, among others
  - 3.5.2. Interpretation and diagnosis of alphabetic patterns
  - 3.5.3. Specific treatments in alphabetic patterns
  - 3.5.4. Clinical cases and examples of alphabetic patterns
- 3.6. Congenital cranial congenital disinervative disorders
  - 3.6.1. Oculomotor paresis and oculomotor palsies in infancy
  - 3.6.2. Differential diagnosis in disinervative disorders
  - 3.6.3. Therapeutic management and rehabilitation in disinervative disorders
  - 3.6.4. Follow-up and outcomes in patients with desinervational disorders





- 3.7. Oculomotor palsies
  - 3.7.1. Third cranial nerve palsies: assessment and treatment
  - 3.7.2. Fourth cranial nerve palsy: diagnosis and therapeutic approach
  - 3.7.3. Sixth cranial nerve palsy: management and outcome
  - 3.7.4. Complications and sequelae in oculomotor palsies
- 3.8. Non-surgical treatment of strabismus
  - 3.8.1. Occlusion therapy in strabismus
  - 3.8.2. Prism therapy and visual exercises
  - 3.8.3. Orthoptic therapy and visual stimulation
  - 3.8.4. Indications and results in non-surgical treatment
- 3.9. Surgical Management
  - 3.9.1. Strabismus surgery: techniques and procedures
  - 3.9.2. Preoperative planning in strabismus surgery
  - 3.9.3. Intraoperative and postoperative complications
  - 3.9.4. Results and follow-up in strabismus surgery
- 3.10. Strabismus surgery complications
  - 3.10.1. Common complications in strabismus surgery
  - 3.10.2. Management of Care Complications
  - 3.10.3. Long-term complications and their management
  - 3.10.4. Prevention strategies in strabismus surgery complications

“Benefit from everything this Postgraduate Diploma has to offer and develop your skills to positively impact children's eye health”

# 05 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.



“

*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.



“

*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.



# 06 Certificate

The Postgraduate Diploma in Exploration and Treatment of Visual Problems in Children guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



“

*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"*

This **Postgraduate Diploma in Exploration and Treatment of Visual Problems in Children** contains the most complete and up-to-date scientific on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate 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 professional career evaluation committees.

Title: **Postgraduate Diploma in Exploration and Treatment of Visual Problems in Children**

Official N° of Hours: **450 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.





**Postgraduate Diploma**  
Exploration and Treatment of  
Visual Problems in Children

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Diploma

Exploration and Treatment of  
Visual Problems in Children