

Postgraduate Certificate

Update on Pediatric Ophthalmology





Postgraduate Certificate Update on Pediatric Ophthalmology

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/update-pediatric-ophthalmology

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01

Introduction

Advances in diagnostic and therapeutic approaches to pediatric ophthalmology, in the same way as when treating adults, oblige specialists to continually update their knowledge. This program offers the opportunity to get up-to-date in a practical way using the latest educational technology, adapted to medical ophthalmology, so that you can combine it with your professional work.

Learn about the latest advances in pediatric ophthalmology, improve the care of your pediatric patients and their families.



A close-up photograph of a child's eye, showing a surgical incision along the upper eyelid margin, closed with several black sutures. The skin is light-colored, and the eye itself is partially visible in the lower left corner.

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Increase your knowledge of Pediatric Ophthalmology through this program, where you will find the best teaching material, high-definition images and real clinical cases. Learn about the latest advances in diagnosis and therapeutic techniques in children in order to provide quality care".

Children can also have suffer from the ocular pathologies and refractive defects typical in adults, as well as others that are more typical in childhood, such as strabismus or amblyopia, the most frequent causes of ocular surgery in children and of early monocular vision loss, respectively.

In all cases, early diagnosis and treatment, before the eye completes its development, is decisive, so that ocular defects can be corrected and do not leave life-long consequences.

The aim of this Pediatric Ophthalmology Update Postgraduate Certificate is to update the specialist on the advances that are being made in addressing glaucoma, both in the diagnostic procedure and from a therapeutic point of view, using the latest scientific evidence.

This **Update on Pediatric Ophthalmology Postgraduate Certificate** comprises the most comprehensive and up-to-date scientific program on the market. The most important features of the Postgraduate Certificate are:

- ♦ Development of clinical cases presented by experts in pediatric ophthalmology. The graphic, schematic, and eminently practical contents with which they are created contain clinical information that is indispensable for professional practice.
- ♦ Diagnostic and therapeutic innovations in the management of glaucoma patients.
- ♦ It uses practical exercises where learning can be improved through the self-evaluation process.
- ♦ Algorithm-based interactive learning system for decision-making regarding pediatric patients in clinical situations.
- ♦ All of this will be complemented by 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.



*Refresh your knowledge
through the Update on Pediatric
Ophthalmology Postgraduate
Certificate".*

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This Postgraduate Certificate may be the best investment you can make in selecting an update program for two reasons: in addition to updating your knowledge on procedures for addressing Pediatric Ophthalmology, you will obtain a Postgraduate Certificate certificate issued by TECH Technological University".

The teaching staff includes healthcare professionals from the field of Pediatric Ophthalmology, who bring their work experience to this training program, as well as renowned professionals from other specialties.

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 training program to train in real situations.

Problem-Based Learning underpins the design of this program, and doctors must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate. To this end, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of ophthalmology who have extensive teaching experience.

This program offers training in simulated environments, which provides an immersive learning experience designed to prepare you for real-life situations.

It includes clinical cases to bring the program's degree as close as possible to the reality of medical care.



02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that physicians can rigorously and practically master the care of pediatric patients with ophthalmic pathologies.





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This update program will generate a sense of confidence when practising medicine, which will help you grow both personally and professionally”.

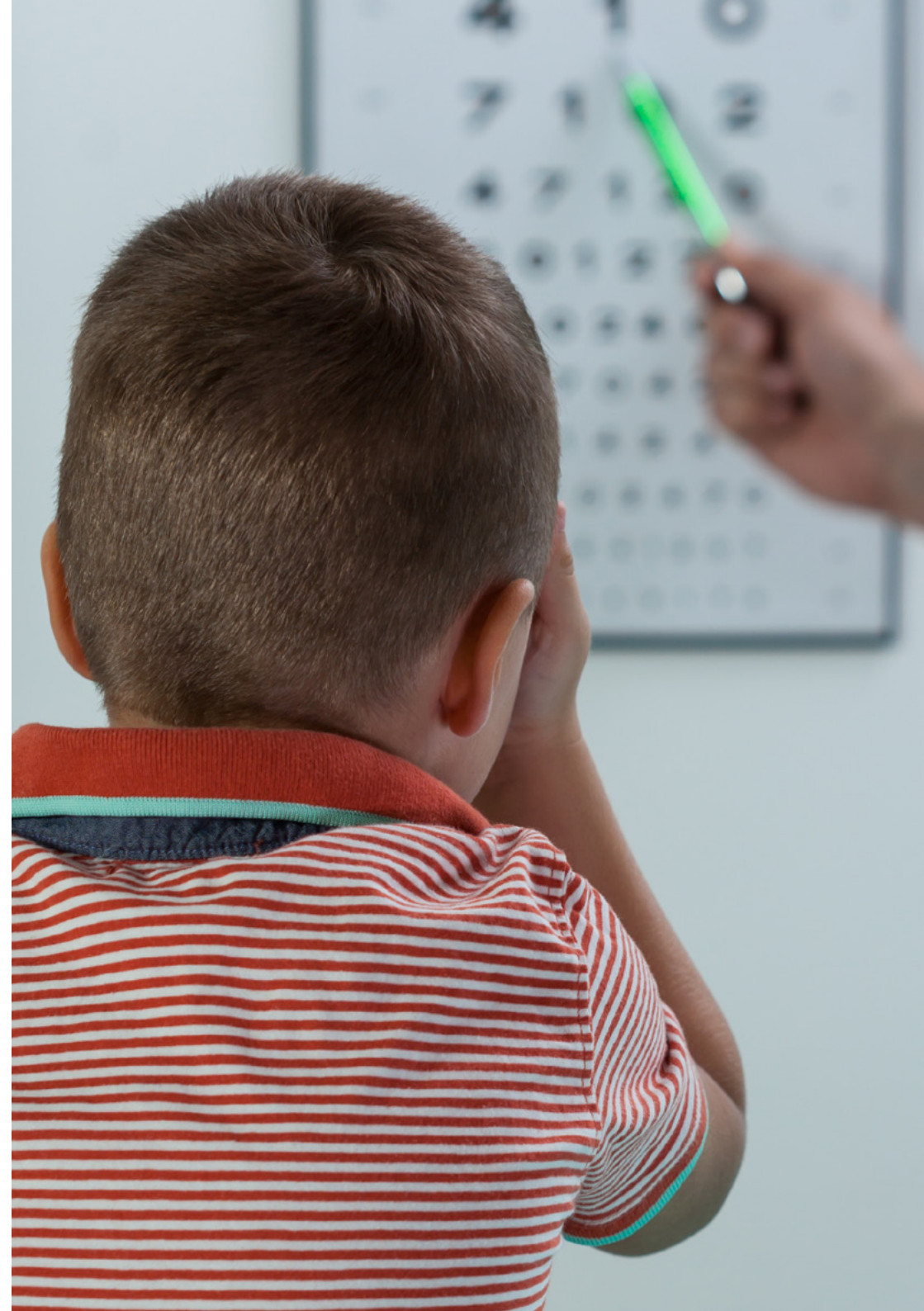


General Objective

- ♦ Update knowledge and facilitate the acquisition of advanced specialized training in the diagnosis and treatment of ocular pathology in childhood.



Make the most of the opportunity and get up to date on the latest developments in the management of ocular pathology in child patients”.





Specific Objectives

- ♦ Address the management of pediatric corneal and anterior segment pathology.
- ♦ Describe the diagnostic procedure of amblyopia and strabismus, congenital glaucoma, cataract and nystagmus in childhood.
- ♦ Indicate the applications of botulinum toxin in strabology.
- ♦ Describe the evaluation of amblyopia, the therapeutic guidelines for it and treatment alternatives in various situations.
- ♦ Identify and classify the different types of strabismus and the indications for medical and surgical treatment.

04

Course Management

On its teaching staff, this program includes highly regarded health professionals in the field of ophthalmology, who bring their work experience this training program. In addition, renowned specialists, members of prestigious national and international scientific communities, are involved designing and preparing the program.



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Learn the latest advances in diagnostic and therapeutic procedures in Glaucoma from leading professionals”.

Management



Dr. Navea Tejerina, Amparo

- Degree in Medicine and Surgery
- Doctor of Medicine
- Medical Specialist in Ophthalmology
- Medical Director of FISABIO-Ophthalmology (FOM) (formerly Mediterranean Ophthalmologic Foundation).
- President of the FOM Teaching Unit
- Head of FOM's Mental Health Unit
- Associate Professor in charge of Ophthalmology at UCH-CEU Medicine in Castellón
- Extensive experience in scientific publications, communications and presentations at conferences
- Extensive experience in research work, projects, and thesis direction.
- Member of the Spanish Society of Ophthalmology (SEO), the American Academy of Ophthalmology (AAO) and the Association for Research in Vision and Ophthalmology (ARVO)

Academic Coordination



Dr. Ruiz Moreno, José María

- Degree in Medicine and Surgery
- Medical Specialist in Ophthalmology
- Clinical Chief of the Clinical Retina Unit of the Albacete University Hospital Complex (CHUA).
- Professor of Ophthalmology at the Faculty of Medicine at the UCLM (University of Castilla La Mancha).
- Coordinator and Professor of the Doctorate Program in "Health Sciences" at UCLM
- Extensive experience in scientific publications, communications, and presentations at national and international conferences.
- Development of lines of research in: Age-Related Macular Degeneration (AMD) and Pathological Myopia (PM)
- President of the Spanish Society of Retina and Vitreous (SERV)
- Member of the Spanish Society of Ophthalmology (SEO), the American Academy of Ophthalmology (AAO) and the European Society of Retina Specialists (EURETINA)

Professors

Dr. Aguirre Balsalobre, Fernando

- ♦ Degree in Medicine and Surgery
- ♦ Doctor of Medicine (PhD)
- ♦ Specialist in Ophthalmology.

Dr. Font Juliá, Elsa

- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Ophthalmology.
- ♦ San Juan Hospital Alicante, Spain

Dr. García Sánchez, Juan

- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Ophthalmology.
- ♦ San Juan Hospital Alicante, Spain

Dr. Hernández Pardines, Fernando

- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Ophthalmology.
- ♦ San Juan Hospital Alicante, Spain

Dr. Mengual Verdú, Encarnación

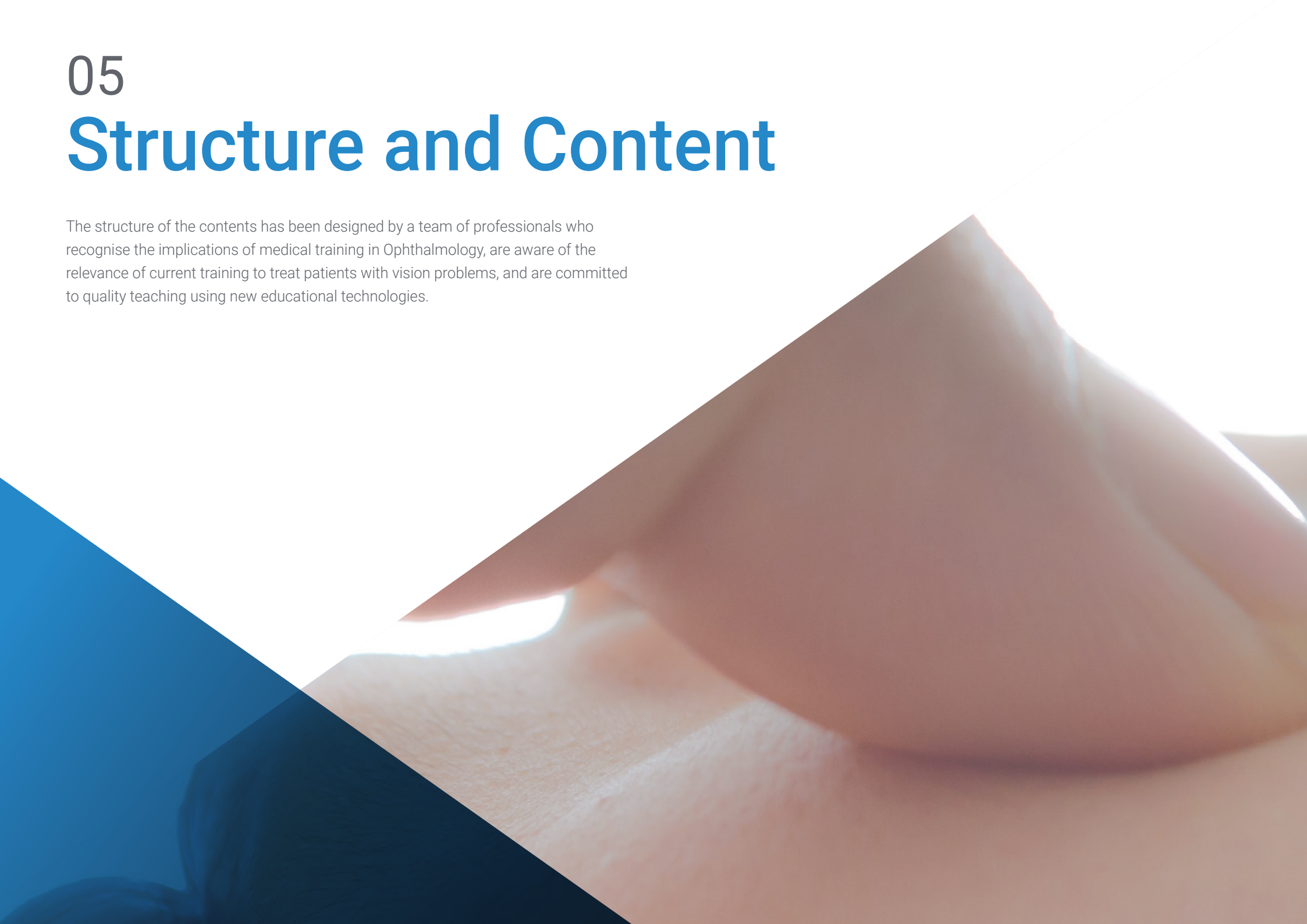
- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Ophthalmology.
- ♦ San Juan Hospital Alicante, Spain



05

Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of medical training in Ophthalmology, are aware of the relevance of current training to treat patients with vision problems, and are committed to quality teaching using new educational technologies.



A close-up photograph of a child's eye, showing the eyelashes and the iris. A small, white, circular medical device is attached to the eye. The background is a dark blue gradient with a diagonal white line.

“

This Update on Pediatric Ophthalmology Postgraduate Certificate comprises the most comprehensive and up-to-date scientific program on the market”.

Module 1. Update in Ophthalmopediatrics

- 1.1. Re-Operations in Strabismus.
- 1.2. Management of Epiphora, Palpebral and Conjunctivo-Corneal Pathology in Children.
- 1.3. Amblyopia: Etiology, Diagnosis, Treatment, and Monitoring.
- 1.4. Vertical Strabismus, Alphabetic Syndromes and Restrictive Syndromes: Stilling-Duane, Brown, Möebius, and Congenital Fibrosis.
- 1.5. Neuro-Ophthalmologic Pathology in Children.
- 1.6. Congenital Glaucoma: Diagnosis, Treatment, and Monitoring.
- 1.7. Differential Diagnosis of Leukocoria: Most Common Pathologies, Diagnosis, and Treatment.
- 1.8. Congenital Cataract Treatment: Etiology, Diagnosis, and Treatment.
- 1.9. Diagnosis and Treatment of Nystagmus.
- 1.10. Botulinum Toxin in Strabology.





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

06

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.



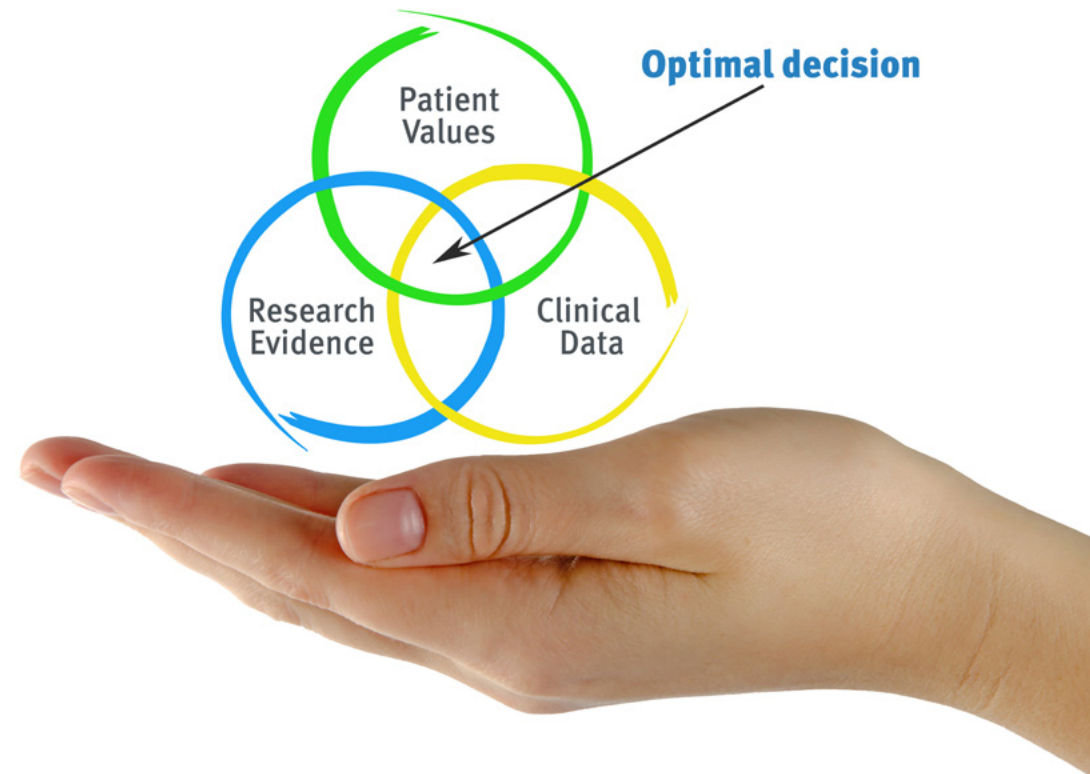
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Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization".

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 abundant 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 highly 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

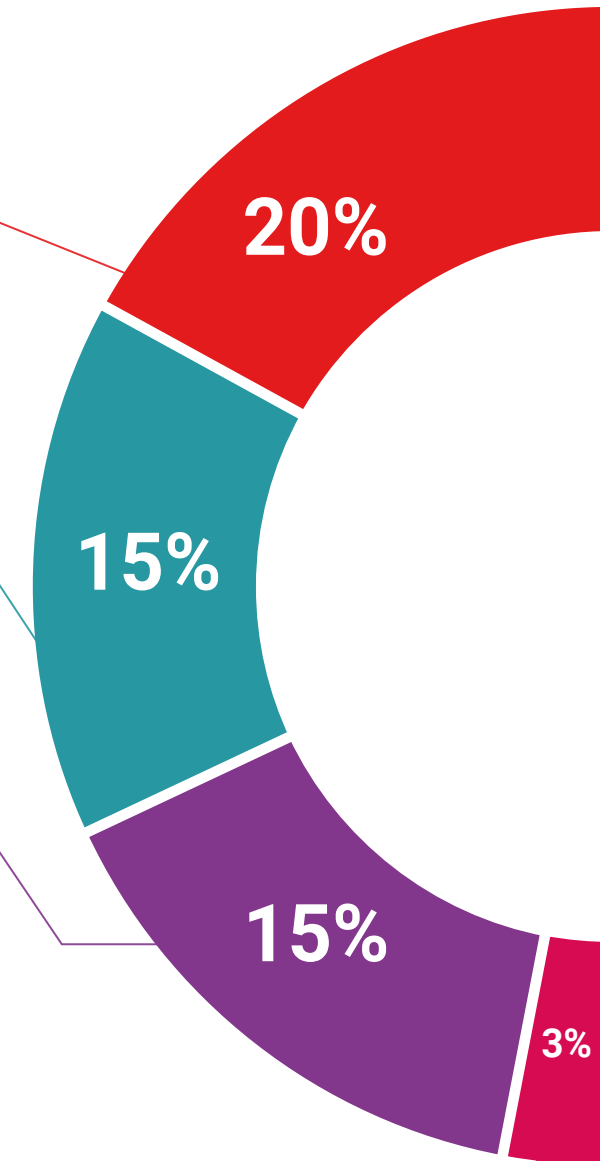
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

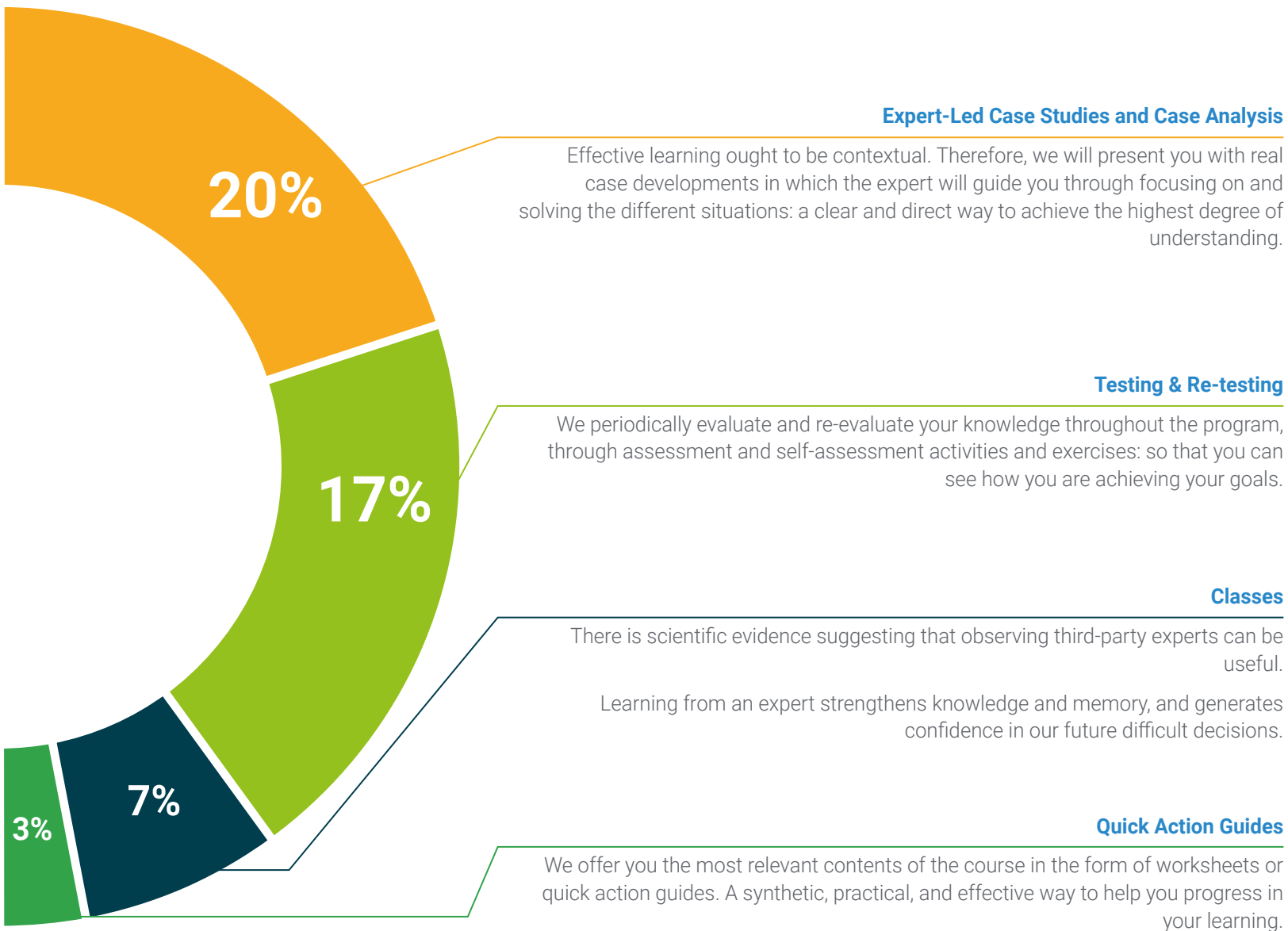
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





06 Certificate

The **Update on Glaucoma Postgraduate Certificate** guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by **TECH Technological University**.



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Successfully complete this training program and receive your diploma without the hassle of travel or paperwork”.

This program will allow you to obtain a **Postgraduate Certificate in Update on Pediatric Ophthalmology** 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 Update on Pediatric Ophthalmology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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Update on Pediatric
Ophthalmology

- » Modality: Online
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- » Schedule: at your own pace
- » Exams: online

Postgraduate Certificate

Update on Pediatric Ophthalmology

