

# Postgraduate Certificate

## Ocular Pathologies and Treatment



## Postgraduate Certificate Ocular Pathologies and Treatment

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/ocular-pathologies-treatment](http://www.techtute.com/us/medicine/postgraduate-certificate/ocular-pathologies-treatment)

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01

# Introduction

Advances in oculoplastic and refractive surgery, as well as in corneal pathology, make continuously updating our knowledge of the latest advances that science has made available to us essential in order to maintain the quality of surgical practice for our patients. This program gives us the opportunity to acquire these advances in a practical way through the latest educational technology.





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*Improve your knowledge of ocular pathology through this program, where you will find the best teaching material, high-definition images and real clinical cases. Learn about the latest advances in oculoplastics and cornea to be able to carry out quality medical practice"*



Ophthalmic Surgery has undergone changes that have completely transformed the approach to the pathologies within the field. The introduction of new scanning techniques, both in the anterior segment of the eyeball and in the posterior segment, has improved the diagnosis and monitoring of diseases, and allows the efficacy of treatment to be tracked.

Oculoplastic surgery is the part of ophthalmology that deals with the periocular facial structures, eyelids, orbit and lacrimal duct, and includes a wide variety of surgical procedures that treat conditions of these structures, such as eyelid malposition, eyelid inflammation, loss of elasticity, and loss of elasticity of the skin surrounding the eyes or eyelid tumors.

The Postgraduate Certificate in Ocular Pathologies and Treatment aims, due to its eminently practical character, to actualize the professionals in the new diagnostic and therapeutic procedures in pathology of the surface of the eye and oculoplastics, either because of their novelty or their high specialization, have not been addressed during their specialization.

This **Postgraduate Certificate in Ocular Pathologies and Treatment** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Practical cases presented by experts in Drug Research and Development
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional development
- ♦ New developments in drug research and development
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in drug research and development
- ♦ Theoretical lessons, questions to the university experts, debate forums on controversial topics, and individual reflection assignments



*Improve your knowledge through the Postgraduate Certificate in Ocular Pathologies and Treatment"*

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*This Postgraduate Certificate may be the best investment you can make in the selection of an educational program for two reasons: in addition to upgrading your knowledge in Ocular Pathologies and Treatment, you will obtain a diploma from TECH Global University"*

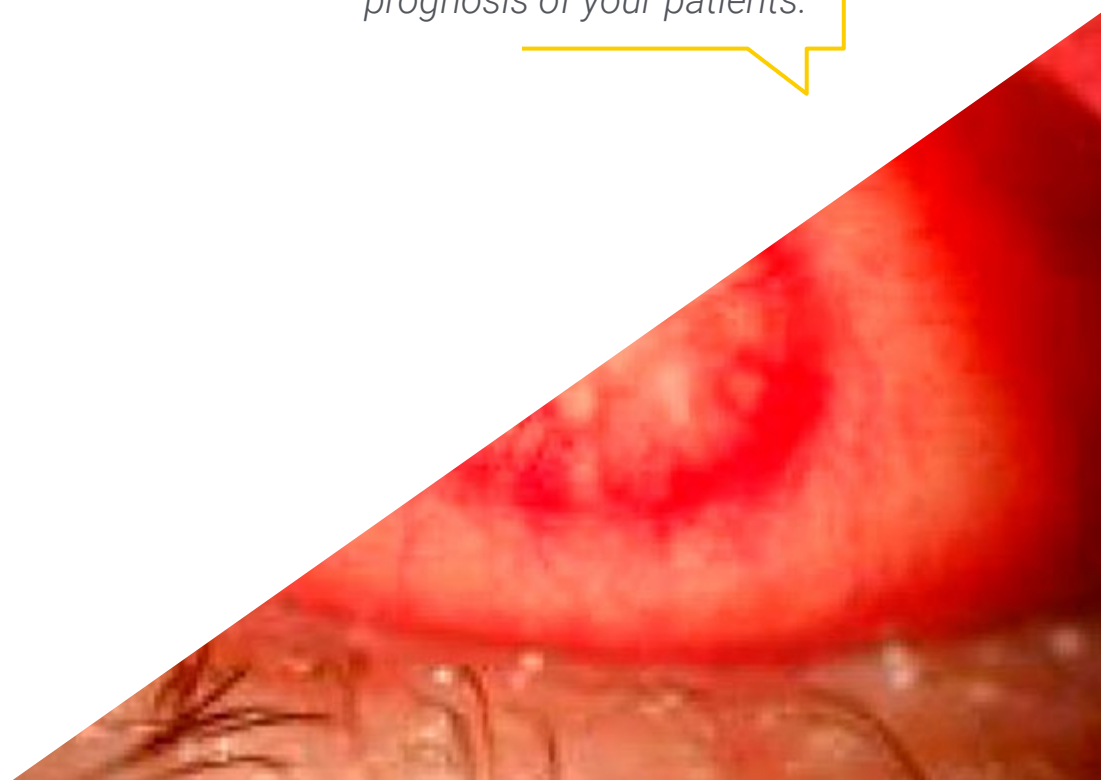
Its teaching staff includes renowned specialists in the field of ophthalmology, who bring the experience of their work in the country's leading medical centers to this training.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare for real-life situations.

The design of this program focuses on Problem-Based Learning, by means of which the physicians will have to try to solve the different professional practice situations that are presented to them. For this purpose, the physician will be assisted by an innovative interactive video system developed by renowned experts in the field of ophthalmology, and with extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.*

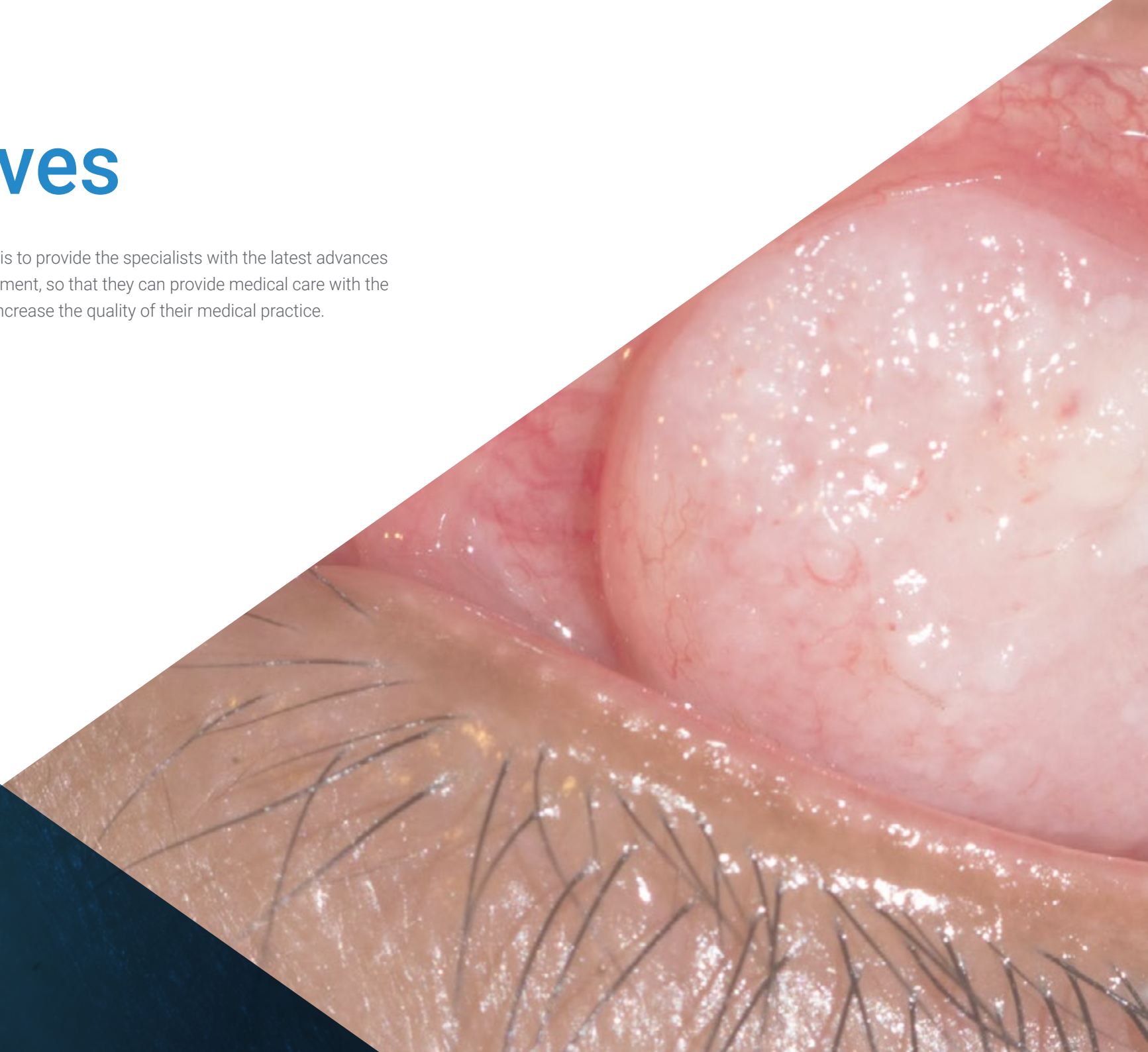
*Incorporate the latest developments in Ocular Pathologies and Treatment into your daily practice and improve the prognosis of your patients.*



# 02

# Objectives

The main objective of this program is to provide the specialists with the latest advances in ocular pathologies and their treatment, so that they can provide medical care with the support of scientific evidence and increase the quality of their medical practice.







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*This Postgraduate Certificate is oriented so that you can upgrade your knowledge in ocular pathology, with the use of the latest educational technology, to contribute with quality and safety to the medical decision making, diagnosis, treatment and prognosis of the patient"*



## General Objective

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- Keep up to date with diagnostic and therapeutic procedures in the specialty of clinical ophthalmology, incorporating the latest advances into daily medical practice to increase the quality and safety of care and improve patient prognosis

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*A means of education and professional growth that will propel you towards greater competitiveness in the labor market”*





## Specific Objectives

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- ◆ Identify advances in the approach to oculoposterior surgery
- ◆ Update knowledge of diagnosis and treatment
- ◆ Recognize the role of the lacrimal pathways in diseases of the eye
- ◆ Develop non-invasive diagnostic techniques for a correct assessment of the lacrimal pathways
- ◆ Describe the different ocular examination methods
- ◆ Identify new developments in the approach to corneal and ocular surface pathology
- ◆ Get to know the main and most effective methods of intervention
- ◆ Develop skills to identify the protocol to follow



03

# Course Management

The program's teaching staff includes renowned national and international ophthalmology specialists, who carry out their medical and surgical practice in the main ophthalmology centers, and who bring their work experience to this educational program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.







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*Learn about the latest advances in ocular and periocular pathologies and treatment from leading professionals”*



## Management



### Dr. Navea Tejerina, Amparo

- ♦ Medical Director of the Institute of Retina and Ocular Diseases
- ♦ FISABIO-Ophthalmology Medical Director (FOM)
- ♦ Head of the Retina Unit at FOM
- ♦ Specialist in Ophthalmology
- ♦ PhD in Medicine, University of Cadiz
- ♦ Member of: Spanish Society of Ophthalmology (SEO), American Academy of Ophthalmology (AAO), Association for Research in Vision and Ophthalmology (ARVO), Sircova and Oftared

## Professors

### Dr. Del Buey Sayas, Maria Ángeles

- ♦ Resident Medical Intern at the University Clinical Hospital of Zaragoza
- ♦ Researcher and collaborator of projects in national and international interdisciplinary groups
- ♦ Specialist in Ophthalmology at the Lozano-Blesa Hospital in Zaragoza
- ♦ Ophthalmologist at the Aravis Group HC Miraflores
- ♦ Associate Professor of Health Sciences at the Faculty of Medicine of the University of Zaragoza

### Dr. Fandiño López, Adriana

- ♦ Specialist in Ophthalmology at FISABIO Medical Ophthalmology
- ♦ Training stays at the Massachusetts Eye Research and Surgery Institution and Moorfields Eye Hospital
- ♦ PhD in Health Sciences from CEU Cardenal Herrera University
- ♦ Master's Degree in Clinical Research from the San Vicente Mártir Catholic University of Valencia

**Dr. Peris Martínez, Cristina**

- ♦ Medical Director at FISABIO Medical Ophthalmology (FOM)
- ♦ Deputy Medical Director. Cornea and Anterior Segment Disease Unit. Mediterranean Ophthalmological Foundation
- ♦ Ophthalmology Assistant Physician Specialist. La Fe University Hospital
- ♦ Ophthalmology Assistant Physician Specialist. Virgen de los Lirios Hospital
- ♦ Doctor of Medicine and Surgery. University of Valencia
- ♦ Master's Degree in Health Management. San Vicente Mártir Catholic University
- ♦ MIR, Residency in Ophthalmology. La Fe i Politècnic University Hospital

**Dr. Mateos Sánchez, Encarnación**

- ♦ Specialist in Ophthalmology. Specialist in Thyroid Ophthalmopathy, Ocular Tumors at the Virgen de la Paloma Hospital, Madrid
- ♦ Ophthalmologist at the Ramón y Cajal Hospital in Madrid
- ♦ Surgeon at the Diego León Aesthetic Clinic
- ♦ Member of the Spanish Society of Ocular and Orbital Plastic Surgery

**Dr. España Gregori, Enrique**

- ♦ Head of the Orbit, Oculoplastics and NeuroOphthalmology Department of the La Fe Hospital in Valencia
- ♦ Ophthalmologist at the Adult Orbital Tumor Unit of the La Fe Hospital Valencia
- ♦ Ophthalmologist in the Neuro-Ophthalmology, Orbit and Oculoplastic Department of the La Fe Hospital in Valencia
- ♦ Associate Professor at the University of Valencia
- ♦ PhD in Medicine and Surgery from the University of Valencia
- ♦ Master's Degree in Health Management from the Catholic University of Valencia San Vicente Mártir

**Dr. Pastor Pascual, Francisco**

- ♦ Ophthalmology Specialist at Oftalvist
- ♦ Degree in Medicine and Surgery from the University of Valencia
- ♦ Specialist in Ophthalmology. La Fe University Hospital
- ♦ Doctor Cum Laude from the University of Valencia
- ♦ Master's Degree in Health Services Management. European Institution of Health and Social Well-being
- ♦ Member of the Valencian Society of Ophthalmology, Spanish Society of Ophthalmology, Spanish Society of Implanto-refractive Ocular Surgery

**Dr. Pérez López, Marta**

- ♦ Ophthalmologist of the Ofatlvist Valencia Centers
- ♦ Ophthalmologist of the Ofatlvist Valencia Centers
- ♦ Specialist in the University Hospital and Polytechnic La Fe
- ♦ Fellowship in Oculoplasty and Orbital Surgery
- ♦ Degree in Medicine and Surgery from the University of Valencia
- ♦ PhD in Medicine from the University of Alcalá de Henares
- ♦ MIR training in Ophthalmology at Ramón y Cajal University Hospital
- ♦ Member of the Spanish Society of Ophthalmology, American Academy of Ophthalmology (AAO) Examine of the European Board Of Ophthalmology (EBO)

**Dr. Fernández López, Ester**

- ♦ Ophthalmologist at the Cornea Unit FISABIO Medical Ophthalmology, Valencia
- ♦ Implant-refractive ocular surgery specialist
- ♦ Degree in Medicine

**Dr. Esteban Masanet, Miguel**

- Head of the Ophthalmology Department at the Provincial Hospital of Castellón
- Ophthalmologist at Innova Ocular Clínica Vila
- Associate Professor of Ophthalmology at the Faculty of Medicine of the University Cardenal Herrera-Ceu of Castellón
- Degree in Medicine and Surgery from the University of Valencia
- Member of Spanish Society of Ophthalmology, American Academy of Ophthalmology, Ophthalmological Society of the Valencian Community and Spanish Society of Ocular and Orbital Plastic Surgery

**Dr. Laiseca Rodríguez, Andrés**

- Ophthalmology Physician at Doctores LAISECA Clinic
- Eye surgeon. Doctores LAISECA Clinic
- Degree in Medicine and Surgery from the Complutense University of Madrid
- Specialist in Ophthalmology. Complutense University of Madrid
- Doctor of Medicine and Surgery with "Cum Laude" qualification
- Former Secretary General and founding member of the Spanish Society of Ocular and Orbital Plastic Surgery
- Speaker at the American Society of Ocularists and at the X Congress of the European Society of Ophthalmic Plastic and Reconstructive Ophthalmic Surgery



**Dr. Roig Revert, Maria José**

- ◆ Faculty Specialist in Ophthalmology: Corneal and anterior sedimentary diseases. FISABIO Medical Ophthalmology
- ◆ Ophthalmology specialist. Castellón Department of Health - Castellón General University Hospital
- ◆ General Ophthalmology. OFTALVIST
- ◆ Ophthalmology specialist. Castellón Provincial Hospital Consortium
- ◆ Degree in Medicine from the University of Valencia
- ◆ Course in Medicine. Louis Pasteur University and Hautpierre Hospital. France

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*Make the most of this opportunity to learn about the latest advances in this field in order to apply it to your daily practice”*



# 04

# Structure and Content

The structure of the contents has been designed by the team of professionals knowledgeable about the implications of education in daily medical practice in patients with ocular problems, aware of the relevance of the current relevance of the preparation in the professional, this program ensures the approach of the main issues in the current development of clinical ophthalmology.







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*This Postgraduate Certificate in Ocular Pathologies and Treatment contains the most complete and up-to-date scientific program on the market"*

### Module 1. Update on Oculoplasty and Lacrimal Ducts

- 1.1. Palpebral and Orbital Anatomy
- 1.2. Blepharoplasty
- 1.3. Ptosis and Eyelid Malposition
- 1.4. Eyelid Tumors
- 1.5. Lacrimal Puncta Surgery
- 1.6. Dacryocystorhinostomy via External/Endoscopic Route
- 1.7. Orbital tumors
- 1.8. Thyroid Orbitopathy
- 1.9. New Treatments in Thyroid Orbitopathy
- 1.10. Ablative Ocular Surgery. Management of the Anophthalmic Cavity

### Module 2. Ocular Surface and Cornea Update

- 2.1. Corneal Dystrophies
- 2.2. Dry Eye and Ocular Surface Pathology
- 2.3. Corneal Surgery (PPK, DALK, DSAEK, DMEK)
- 2.4. Corneal Crosslinking
- 2.5. Conjunctival and Corneal Neoplasms
- 2.6. Toxic and Traumatic Lesions of the Anterior Segment
- 2.7. Ectasia (Keratoconus, Pellucid Marginal Degeneration, Post-LASIK Degenerations)
- 2.8. Infectious Corneal Pathology I
- 2.9. Infectious Corneal Pathology II





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*A unique, key, and decisive educational experience to boost your professional development”*

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.





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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.



# 06 Certificate

The Postgraduate Certificate in Ocular Pathologies and Treatment guarantees, in addition to the most rigorous and up-to-date education, the access to a Postgraduate Certificate diploma issued by TECH Global University.



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



This program will allow you to obtain your **Postgraduate Certificate in Ocular Pathologies and Treatment** 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 Ocular Pathologies and Treatment**

Modality: **online**

Duration: **12 weeks**

Accreditation: **12 ECTS**



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



**Postgraduate Certificate**  
Ocular Pathologies  
and Treatment

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Global University
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