Postgraduate Certificate Ocular Pathologies and Treatment



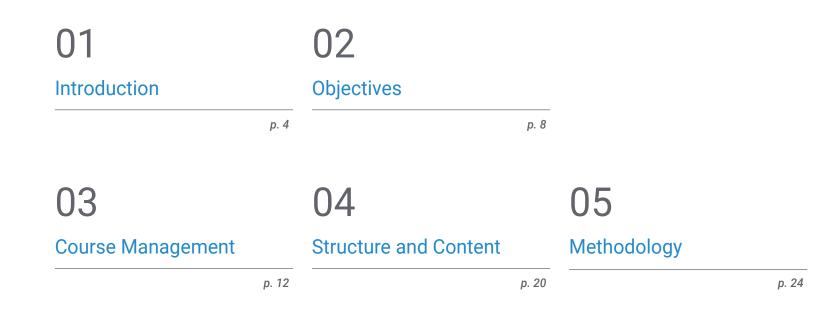


Postgraduate Certificate Ocular Pathologies and Treatment

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/in/medicine/postgraduate-certificate/postgraduate-certificate-ocular-pathologies-treatment

Index



06 Certificate

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 **Postgraduate Certificate** program gives us the opportunity to acquire these advances in a practical way through the latest educational technology.

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"



tech 06 | Introduction

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 previuos 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 tear duct, and includes a wide variety of surgical procedures that treat conditions affecting these structures, such as malposition of the eyelids, eyelid swelling, loss of elasticity of the skin surrounding the eyes, or eyelid tumors.

Due to its eminently professionalizing nature, the **Postgraduate Certificate in Ocular Pathologies and Treatment** aims to update professionals in new diagnostic and therapeutic procedures and techniques in eye surface pathology and oculoplastics, either because they are so recent, or due to the high degree of expertise they require, they have not been addressed during their specialization. This **Postgraduate Certificate in Ocular Pathologies and Treatment** is the most comprehensive and up-to-date scientific program on the market. The most important features of the **Postgraduate Certificate** program are:

- Development of clinical cases presented by experts in ocular pathology. 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 for treating the main pathologies of the eye.
- It contains practical exercises where the self-evaluation process can be carried out to improve learning.
- Interactive learning system based on algorithms for decision making in patients with eye pathology 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.

Update your knowledge through the Postgraduate Certificate Program in Ocular Pathologies and Treatment"

Introduction | 07 tech



This Postgraduate Certificate may be the best investment you can make in the selecting a refresher program for two reasons: in addition to updating your knowledge in Ocular Pathologies and Treatment, you will obtain an Postgraduate Certificate university from TECH Technological 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.

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.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. 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 with this Postgraduate Certificate.

Incorporate the latest developments in ocular pathologies and treatment into your daily practice and improve your patients' prognosis.

02 **Objectives**

The main objective of this program is to update specialists knowledge of the latest advances in Ocular Pathologies and treatment and so that they can carry out medical care with supporting scientific evidence and improve the quality of their medical practice.

Orbital Tumors

This Postgraduate Certificate is designed to help you refresh your knowledge in ocular pathology, by using the latest educational technology to contribute quality and safety when making medical decisions, diagnoses. treating, and supporting patients"

tech 10 | Objectives



General Objective

• Gain up-to-date, specialist knowledge in the approach to the diagnosis and treatment of diseases affecting the ocular and periocular surface, incorporating the latest advances in the discipline to increase the quality of daily medical practice.



A training and professional growth path that will propel you towards greater competitivity in the employment market"



Objectives | 11 tech





Specific Objectives

- Describe the new methods of ocular examination
- Determine advances for managing thoroidal orbitopathy.
- Point out the main differences in the approach to dacryocystorhinostomy by the external or endoscopic route.
- Describe the main characteristics of eyelid malposition and signs of blepharoplasty.
- Highlight new developments in ocular ablative surgery and tear duct surgery.
- Identify the main advances in orbital and eyelid tumors.
- Establish new methods of diagnosis and treatment of the most and least common ocular surface and periocular diseases.
- Address new evidence in corneal infections and dystrophies.
- Identify the characteristics of conjunctival and corneal neoplasms.
- Highlight the latest surgical procedures in corneal refractive surgery.
- Define the main ocular manifestations of systemic diseases.
- Determine the signs and symptoms of toxic and traumatic injuries to the outer segment of the eye.

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.

C C Learr and p

Learn about the latest advances in ocular and pathologies and treatment from leading professionals"

tech 14 | Course Management

Management



Academic Coordination

Dr. Navea Tejerina, Amparo

- FISABIO-Ophthalmology Medical Director (FOM)
- Doctor of Medicine. Specialist in Ophthalmology.
- President of the FOM Teaching Commission. Head of the Retina Unit of the FOM, Head of the Ophthalmology Collection, FISABIO Biobank.
- Associate Professor in charge of Ophthalmology at UCH-CEU Medicine in Castellón and Valencia.
- 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). Sircova. IP OftaRed



Dr. Ruiz Moreno, José María

- Professor of Ophthalmology at the Faculty of Medicine at the UCLM (University of Castilla La Mancha).
- Head of Service of the Puerta de Hierro Hospital Majadahonda
- Medical Director of the Vissum Ophthalmologic Corporation
- Coordinator and Professor of the Doctorate Program in "Health Sciences" at UCLM.
- President of the Spanish Society of Retina and Vitreous (SERV)
- 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).
- Member of the Spanish Society of Ophthalmology (SEO), the American Academy of Ophthalmology (AAO) and the European Society of Retina Specialists (EURETINA). IP OftaRed

Course Management | 15 tech

Professors

Dr. Abreu González, Rodrigo

• Ophthalmologist specializing in Retina and Vitreous at the Candelaria University Hospital - Tenerife

Dr. Aguirre Balsalobre, Fernando

• Specialist in Ophthalmology. Doctor of Medicine, Cardenal Herrera University.

Dr. Alcocer Yuste, Pablo

• Specialist in Ophthalmology. Glaucoma specialist at FISABIO Medical Ophthalmology, Valencia, Spain.

Dr. Alió del Barrio, Jorge L.

• Specialist in Ophthalmology. Specialist in Cornea, Cataract, and Refractive Surgery Service, Vissum Corporación.

Dr. Amnesty, Alejandra

• Specialist in Ophthalmology. Ocular Plastic Surgery at Vissum, Madrid.

Dr. Araiz Iribarren, Javier

• Professor of Ophthalmology at the University of the Basque Country. ICQO Bilbao

Dr. Arias Barquet, Luis

• Head of the Ophthalmology Department. Bellvitge Hospital. Luis Arias Clinic.

Dr. Belda Sanchís, José

• Head of the Ophthalmology Department at Torrevieja University Hospital. Glaucoma Department at OFTALICA.

Dr. Benítez del Castillo, Javier

Ophthalmology Specialist in El Puerto de Santa María and Jerez de la Frontera.

Dr. Cabanás Jiménez, Margarita

• Specialist in Ophthalmology, Virgen del Rocio University Hospital

Dr. Capella Elizalde, Mª José

• Ophthalmology Specialist in the Retina Unit at Barraquer Clinic, Barcelona, Spain.

Dr. Corsino Fernández-Vila, Pedro

• Head of the Ophthalmology Department at the Pontevedra University Hospital.

Dr. Davó Cabrera, Juan María

• Specialist in Ophthalmology. FISABIO Medical Ophthalmology.

Dr. Del Buey Sayas, Mª Ángeles

• Specialist in Ophthalmology. Lozano-Blesa Hospital, Zaragoza.

Dr. Desco Esteban, Mª Carmen

• Specialist in Ophthalmology. Retina Unit of FISABIO Medical Ophthalmology. Associate Prof. Ophthalmology UCH-CEU Valencia

Dr. Dolz Marco, Rosa

• Specialist in Ophthalmology, FISABIO Medical Ophthalmology

Dr. Donate López, Juan

• Ophthalmologist in charge of the Retina and Macular Pathology Unit at the San Carlos Clinical Hospital, Madrid.

Dr. Duch Tuesta, Susana

• Specialist in Ophthalmology. Specialist in Cataracts and Glaucoma.

Dr. España Gregori, Enrique

• Specialist in Ophthalmology. Orbital and Oculoplasty Unit at La Fe University and Polytechnic Hospital, Valencia, Spain.

Dr. Espinosa Garriga, Gerard

• Rheumatology Internist, Consultant Physician of the Autoimmune Diseases Service at the Hospital Clínic Barcelona.

tech 16 | Course Management

Dr. Esteban Masanet, Miguel

• Head of the Ophthalmology Department at the Castellón Provincial Hospital.

Dr. Fandiño López, Adriana

• Specialist in Ophthalmology. FISABIO Medical Ophthalmology, Valencia, Spain.

Dr. Fernández López, Ester

 Specialist in Ophthalmology. Cornea Unit FISABIO Medical Ophthalmology, Valencia, Spain

Dr. Fonollosa Calduch, Alex

Specialist in Ophthalmology, Cruces Hospital (Barakaldo, Bizkaia)

Dr. Font Juliá, Elsa

• Specialist in Ophthalmology, San Juan Hospital, Alicante, Spain.

Dr. Gallego Pinazo, Roberto

• Specialist in Ophthalmology at La Fe University Hospital. Valencia

Dr. García Sánchez, Juan

• Specialist in Ophthalmology at the San Juan Hospital, Alicante

Dr. Gargallo Benedicto, Amparo

• Specialist in Ophthalmology at the Clinical University Hospital of Valencia.

Dr. González López, Julio

• Ophthalmology Specialist, Glaucoma and Neuro-ophthalmology Unit, Ramón y Cajal Hospital, Madrid

Dr. González Valdivia, Hugo

• Specialist in Ophthalmology, Araba University Hospital

Dr. González Viejo, Inmaculada

• Specialist in Ophthalmology. Miguel Servet University Hospital. Zaragoza

Dr. Güerri Monclús, Noemí

• Specialist in Ophthalmology in Zaragoza

Dr. Hernández Pardines, Fernando

• Specialist in Ophthalmology at the San Juan Hospital, Alicante

Dr. Hernández, Pablo

• Specialist in Plastic, Esthetic, and Reconstructive Surgery.

Dr. Javaloy Estañ, Jaime

• Specialist in Ophthalmology. Refractive surgery clinic, refractive laser surgery, Ophthalmology Clinic and Baviera Clinic

Dr. Laiseca Rodríguez, Andrés

• Specialist in Ophthalmology. Specialist in Orbital and Plastic Surgery and Ocular Prosthesis, FISABIO Medical Ophthalmology (Valencia) and Laiseca Clinic (Madrid).

Dr. Laiseca Rodríguez, Dolores

• Specialist in Ophthalmology. Specialist in Orbital and Plastic Surgery and Ocular Prosthesis, FISABIO Medical Ophthalmology (Valencia) and Laiseca Clinic (Madrid)

Dr. Laiseca Rodríguez, Juan

• Ocularist, specialist in Ocular Prosthesis, FISABIO Medical Ophthalmology (Valencia) and Laiseca Clinic (Madrid).

Dr. Lanzagorta Aresti, Aitor

• Specialist in Ophthalmology. Glaucoma specialist at FISABIO Medical Ophthalmology, Valencia, Member of the Teaching Commission. Oftared Researcher

Course Management | 17 tech

Dr. López Gálvez, Maribel

Ophthalmologist Lead Researcher Retina IOBA, Valladolid. IP OftaRed

Dr. Lozano Rox, Ester

• Specialist in Ophthalmology at Torrevieja University Hospital. Glaucoma Department at OFTALICA.

Dr. Marí Cotino, José

• Specialist in Ophthalmology, La Fe Hospital, Valencia, Spain

Dr. Mariñas García, Laura

• Specialist in Ophthalmology at Hospital Gregorio Marañón, Madrid.

Dr. Martínez de la Casa, José María

• Professor of Ophthalmology at the Complutense University of Madrid, Glaucoma Specialist at the San Carlos Hospital, Oftared researcher.

Dr. Martínez Toldos, José Juan

• Head of the Ophthalmology Department at Elche University Hospital. Alicante.

Dr. Mataix Boronat, Jorge

• Specialist in Ophthalmology. Retina and Tumor Unit of FISABIO Medical Ophthalmology.

Dr. Mateos Sánchez, Encarnación

• Specialist in Ophthalmology. Specialist in Thyroid Ophthalmopathy, Ocular Tumors. Virgen de la Paloma Hospital, Madrid



tech 18 | Course Management

Dr. Mengual Verdú, Encarnación

• Specialist in Ophthalmology, Hospital San Juan, Alicante, Spain.

Dr. Mesquida Febrer, Marina

Specialist in Ophthalmology at Barnaclínic, Hospital Clínic group.

Dr. Montalbán Llamusi, Raúl

• Graduate in Optics and Optometry from the University of Alicante. Doctor by the University of Alicante.

Dr. Montero Moreno, Javier

• Head of the Ophthalmology Department. Pío Río Hortega University Hospital. Valladolid.

Dr. Morales Fernández, Laura

Specialist in Ophthalmology, San Carlos Clinical Hospital

Dr. Ortega Giménez, Lidia

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Dr. Palacios Pozo, Elena

• Specialist in Ophthalmology. Retina Unit of FISABIO Medical Ophthalmology.

Dr. Pastor Pascual, Francisco

• Specialist in Ophthalmology. Cornea Specialist at FISABIO Medical Ophthalmology, Valencia, Valencia, Oftalvist

Dr. Pérez López, Marta

• Specialist in Ophthalmology. Head of the Orbital and Oculoplasty Department at FISABIO Medical Ophthalmology, Valencia, Spain.

Dr. Peris Martínez, Cristina

• Specialist in Ophthalmology. Head of Cornea Unit, FISABIO Medical Ophthalmology, Valencia, Spain.



Course Management | 19 tech



• Specialist in Ophthalmology, San Carlos Clinical Hospital

Dr. Rial Álvarez, Lucía

• Specialist in Ophthalmology at Torrevieja University Hospital

Dr. Rivera Ruiz, Ester

• Ophthalmology Specialist in Alicante.

Dr. Roig Revert, M^a José

• Specialist in Ophthalmology. FISABIO Medical Ophthalmology, Valencia, Spain

Dr. Ruíz Medrano, Jorge

• Medical and Surgical Retina Fellow Jules Gonin Hospital. Lausanne. Switzerland

Dr. Ruíz Mesa, Ramón

Oftalvist Seville

Dr. Schargel, Konrad

• Specialist in Ophthalmology at Torrevieja University Hospital

Dr. Tañá Rivero, Pedro

• Specialist in Ophthalmology, Director at Oftalvist, Alicante, Spain.

Dr. Urcelay Segura, Chema

• Head of the Glaucoma Division, Department of Ophthalmology, Hospital Gregorio Marañón, Madrid.

Dr. Urcola Carrera, Aritz

• Specialist in Ophthalmology. Anterior Segment Surgery Specialist, Glaucoma Treatment, San Sebastián.

Dr. Vera Echevarría, Rebeca

• Specialist in Ophthalmology at Hospital Gregorio Marañón, Madrid.

04 Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of medical training in patients with ocular pathologies and are aware of the relevance of current training for professionals. This program ensures that the main issues in the current development of clinical ophthalmology are addressed.

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This Postgraduate Certificate in Ocular Pathologies and Treatment is the most comprehensive and up-to-date scientific program on the market"

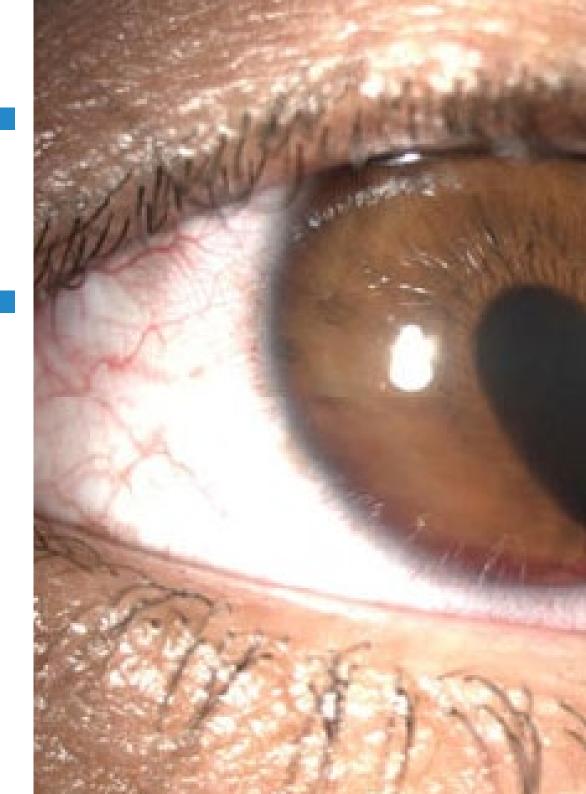
tech 22 | Structure and Content

Module 1. Update on Oculoplasty and Tear Ducts

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

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





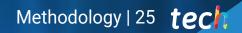
Structure and Content | 23 tech



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"

tech 26 | Methodology

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:

 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.
- 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.



tech 28 | Methodology

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.



Methodology | 29 tech

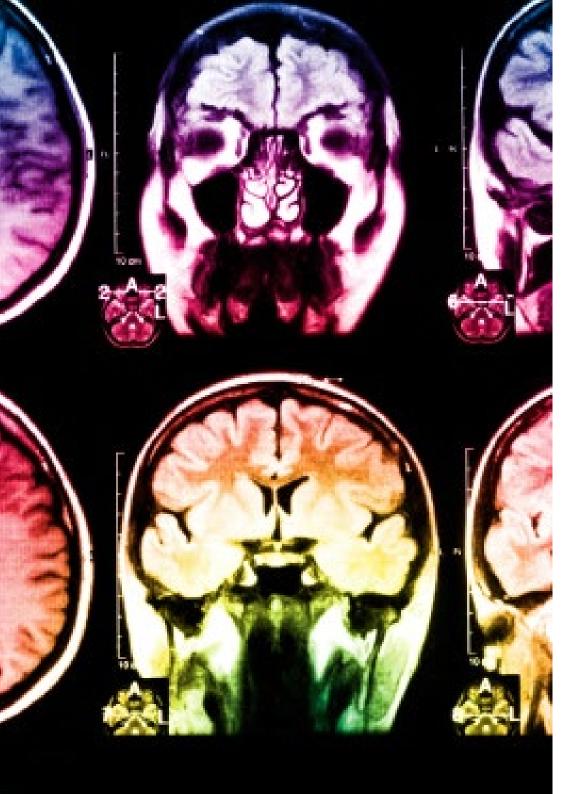
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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.



tech 30 | Methodology

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.

20%

15%

3%

15%

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.

Methodology | 31 tech



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.

20%

7%

3%

17%



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.



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 students, in addition to the most rigorous and updated education, access to a Postgraduate Certificate issued by TECH Technological University.



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Successfully complete this specialisation and receive your university degree without travel or laborious paperwork"

tech 34 | Certificate

This **Postgraduate Certificate in Ocular Pathologies and Treatment** contains the most complete and up-to-date scientific program 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 Certificate in Ocular Pathologies and Treatment Official N° of hours: 300 h.



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

technological university Postgraduate Certificate **Ocular Pathologies** and Treatment » Modality: online » Duration: 12 weeks » Certificate: TECH Technological University » Dedication: 16h/week » Schedule: at your own pace

» Exams: online

Postgraduate Certificate Ocular Pathologies and Treatment

