



Postgraduate Diploma

Uveitis and Retinal Pathologies

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-uveitis-retinal-pathologies

Index

> 06 Certificate

> > p. 32





tech 06 | Introduction

The retina is a focus of interest in the field of ophthalmology due to the high prevalence of its associated pathologies: they affect 10% of the Spanish population and, according to the World Health Organization, this figure could double by 2020.

The absence of treatment for eye diseases such as retinal detachment can lead to a total loss of eye function. In the case of Age-Related Macular Degeneration (AMD), it is the leading cause of legal blindness in people over 50 years of age.

On the other hand, uveitis, or inflammation of the uvea, is one of the leading causes of blindness in the world, as a sole cause, or associated with other systemic diseases as a result of the damage caused to the affected ocular structures. In addition, uveitis can be complicated by corneal opacities, cataracts, ocular hypertension or hypotension, scarring of the retina or inflammation of the optic nerve, so early diagnosis is essential in order to establish the most appropriate treatment, both at the onset and for possible recurrences.

If specialists refresh their knowledge of these pathologies appropriately, they will be to reinforce it and provide quality medical care to their patients.

The **Postgraduate Diploma in Uveitis and Retinal Pathologies** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- 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 uveitis and retinal pathologies.
- It uses practical exercises where learning can be improved through the self-evaluation process.
- Algorithm-based interactive learning system for decision-making in uveitis and retinal pathology patients.
- 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.



Seize the opportunity and go ahead and get up to date on the latest developments in uveitis and retinal pathology"

Introduction | 07 tech



This Postgraduate Diploma may be the best investment you can make in selecting a refresher program for two reasons: in addition to updating your knowledge in uveitis and Retinal pathologies, you will obtain an Postgraduate Diploma 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.

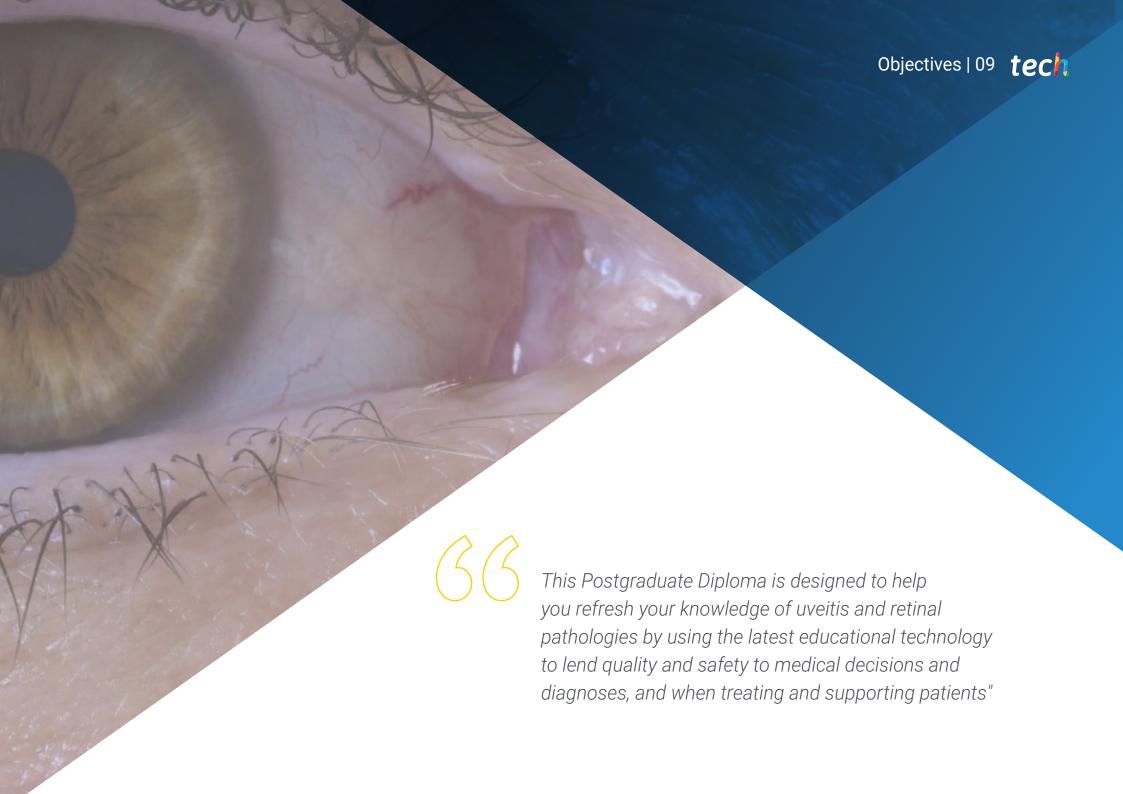
This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose, the physician will be assisted by an innovative interactive video system developed by renowned experts in the field of ophthalmology, and with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge with this Postgraduate Diploma.

This specialization will provide you with a sense of security in medical practice, which will help you grow personally and professionally.







tech 10 | Objectives



General Objective

• Update your knowledge in the approach to uveitis and its significance as a generating factor for cataracts and glaucoma, as well as in the approach to retinal pathologies, such as macular degeneration, diabetic retinopathy or retinal detachment, in order to ensure quality medical practice.





Objectives | 11 tech



Specific Objectives

- Determine new procedures in diagnosing uveitis and in the application of new treatments linked to molecular targets.
- Point out the characteristics of uveitis as the genesis of cataract and glaucoma and the importance of early diagnosis and treatment.
- Review the epidemiology of uveitis and the significance of its future consequences for patients.
- Identify the main characteristics of episcleritis and scleritis in order to improve the therapeutic management of both pathologies.
- Establish the diagnostic and therapeutic procedures in acute anterior, and intermediate and posterior uveitis.
- Update the diagnostic procedure for retinal pathology using high penetration OCT, autofluorescence and OCT angiography techniques.
- Describe new diagnostic and therapeutic procedures for retinal detachment and retinopathy of prematurity.
- Determine advances for managing retinal pathology and vitrectomy.
- Point out the main aspects of the approach to age-related macular degeneration, diabetic retinopathy and other more or less frequent retinal pathologies.
- Update knowledge on new developments in the use of fluids in retinal surgery.
- Identify the main characteristics of posterior retinal segment tumors and incorporate new surgical procedures to address them.
- Establish the techniques for posterior pole surgery in the case of anterior pole complications.
- Determine new procedures in subretinal surgery and in managing subretinal hemorrhages.





tech 14 | Course Management

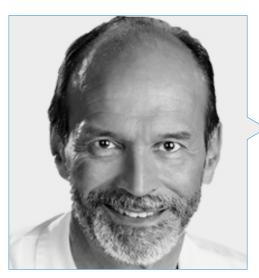
Management



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 supervision.
- Member of the Spanish Society of Ophthalmology (SEO), the American Academy of Ophthalmology (AAO) and the Association for Research in Vision and Opthalmology (ARVO). Sircova. IP OftaRed

Academic Coordination



Dr. Ruiz Moreno, José Ma.

- · Professor of Ophthalmology at the Faculty of Medicine at the UCLM (University of Castilla La Mancha)..
- ${}^{\:\raisebox{3.5pt}{\text{\circle*{1.5}}}}$ 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

Professors

Dr. Abreu González, Rodrigo

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

Dr. Aguirre Balsalobre, Fernando

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tech 16 | Course Management

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tech 18 | Course Management

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Course Management | 19 tech

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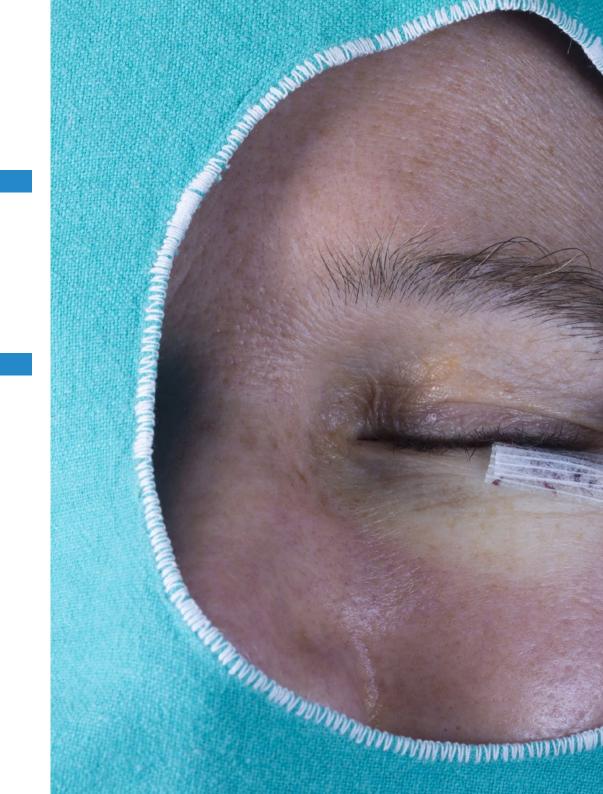
tech 22 | Structure and Content

Module 1. Update in Surgical Retina

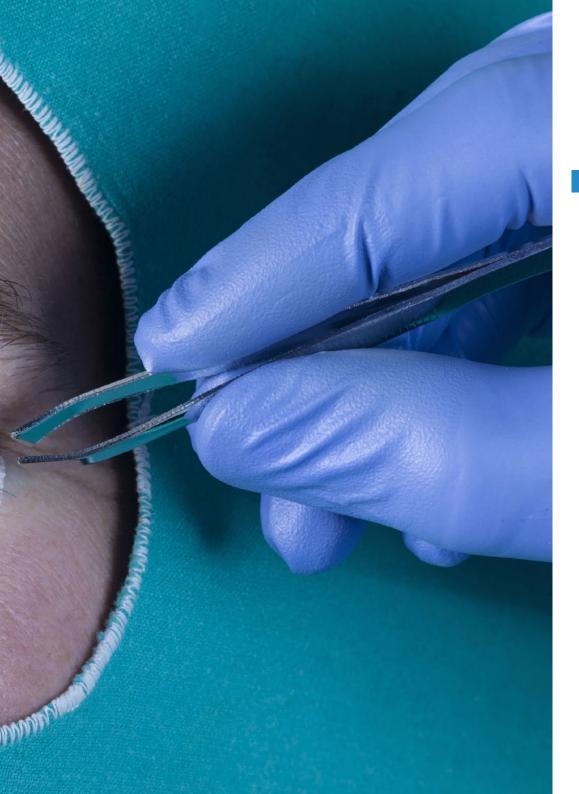
- 1.1. Use of Liquids in Surgery: PF, Silicones, Gases.
- 1.2. Macular Surgery.
- 1.3. Posterior Pole Surgery in Anterior Pole Complications.
- 1.4. New Techniques in Vitrectomy: Pumps, Illumination, Visualization Systems.
- 1.5. Intraocular Tumors and Surgical Techniques in Posterior Segment Tumors.
- 1.6. Subretinal Surgery: Subretinal Hemorrhage Management.
- 1.7. Surgery in Diabetic Retinopathy: From Vitreous Hemorrhage to Tractional DR.
- 1.8. Retinal Detachment and PVR.

Module 2. Medical Retina Update

- 2.1. Non-AMD Subretinal Neovascularization.
- 2.2. Diagnostic Update: High-Penetration OCT, Autofluorescence, OCT Angiography
- 2.3. Diabetic Retinopathy.
- 2.4. Vascular Occlusions.
- 2.5. Retinopathy of Prematurity.
- 2.6. Muscular Degeneration Related to Aging.
- 2.7. Pathological Myopia.
- 2.8. Posterior Segment Tumors.
- 2.9. Hereditary Retinal and Choroidal Dystrophies.







Module 3. Uveitis Update

- 3.1. Epidemiology of Uveitis.
- 3.2. Diagnosis of Uveitis.
- 3.3. New Treatments in Uveitis.
- 3.4. Episcleritis and Scleritis.
- 3.5. Acute and Chronic Anterior Uveitis.
- 3.6. Intermediate Uveitis and Parsplanitis.
- 3.7. Non-Infectious Posterior Uveitis.



A unique, key, and decisive training opportunity to boost your professional development"





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.



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.
- 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.



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.

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.

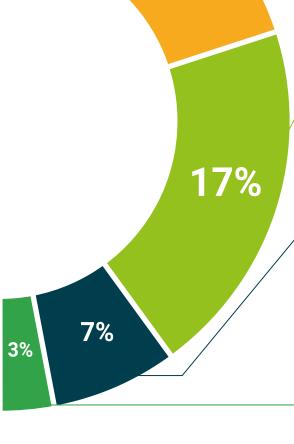
The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



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.









tech 34 | Certificate

The **Postgraduate Diploma in Uveitis and Retinal Pathologies** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

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

Title: Postgraduate Diploma in Uveitis and Retinal Pathologies
Official N° of hours: 450 h.



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

technological university

Postgraduate Diploma Uveitis and Retinal Pathologies

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

