## **Postgraduate Diploma** Uveitis and Retinal Pathologies



SOCIEDAD ESPAÑOLA DE OFTALMOLOGÍA



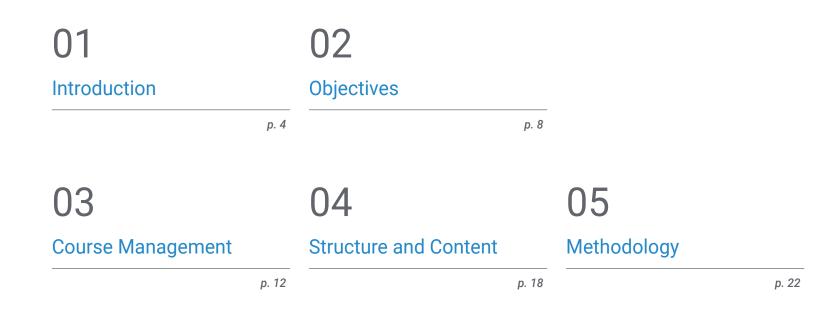


## **Postgraduate Diploma** Uveitis and Retinal Pathologies

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

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

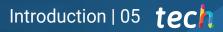
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06 Certificate

## 01 Introduction

Advances in the inflammatory pathology of the uvea and retina make it essential for specialists to constantly refresh their knowledge in order to maintain quality and safety in their daily medical practice. This program offers the opportunity to incorporate these advances in diagnostic and therapeutic procedures in a practical way through the latest educational technology.



Contraction of the paper

Increase your knowledge in Uveitis and Retina through this program, where you will find the best didactic material, high definition images and real clinical cases. Learn here about the latest advances in the specialty to be able to provide quality medical care"

## 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 include:

- Development of clinical cases presented by experts in ocular pathology
- The graphic, schematic, and practical contents with which they are created contain clinical information that is indispensable for professional practise
- Diagnostic and therapeutic innovations for treating uveitis and retinal pathologies.
- It contains practical exercises where the self-assessment process can be carried out to improve learning
- Algorithm-based interactive learning system for decision making in patients with uveitis and retinal pathology.
- 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 moment and take the the step to catch up on the latest uveitis and retinal pathology"

### Introduction | 07 tech

This program is the best investment you can make in selecting a professional program for two reasons: in addition to upgrading your knowledge in Uveitis and Retina, you will get a diploma from TECH University of Technology"

Its teaching staff includes specialists of recognized prestige in the field of ophthalmology, who bring to this course the experience of their work in the main medical centers of the country.

Thanks to its multimedia content developed with the latest educational technology, it 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 in real situations.

The design of this program is based on Problem-Based Learning, through which the physician must try to solve the different professional practice situations that arise throughout the academic 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 University Expert course.

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

# 02 **Objectives**

The main objective is to improve knowledge in the approach and diagnosis of uveitis, and its relationship with important pathologies such as cataracts and glaucoma, as well as the diagnosis and treatment of retinal diseases, with emphasis on the latest advances in the field of vitreoretinal surgery, an ocular microsurgery technique with more indications in these pathologies.

This program is designed to improve your knowledge in uveitis and retinal pathology, with the use of the latest educational technology, to contribute with quality and safety to medical decision making, diagnosis, treatment and prognosis of the patient"

## tech 10 | Objectives



### **General Objective**

• 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.



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"



## Objectives | 11 tech



### Specific Objectives

#### Module 1. Update in Surgical Retina

- Update knowledge in conjunctival and corneal neoplasia
- Identify signs and symptoms of toxic and traumatic anterior segment
- Know in depth the protocol to be followed for a good surgical procedure

#### Module 2. Medical Retina Update

- Establish diagnostic and treatment methods for the most and least common ocular diseases
- Control the symptomatology of corneal infectious pathology
- Incorporate new developments in the management of retinal pathologies

#### Module 3. Uveitis Update

- Identify the different types of uveitis and learn the new diagnostic and therapeutic procedures used
- Define the ocular manifestations of systemic diseases
- Recognize the patients most prone to this type of complications

## 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 training program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.

Learn about the latest advances in uveitis and retinal pathologies from leading professionals"

## tech 14 | Course Management

#### 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 Opththalmology (ARVO), Sircova, Oftared

#### Professors

#### Dr. Martínez Toldos, José Juan

- Head of Service of the General University Hospital of Elche
- Ophthalmology specialist at the General Hospital of Albacete, General Hospital of Castellón and Vega Baja Hospital
- Head of section by competitive examination at the General University Hospital of San Juan
- Degree in Medicine and Surgery from the University of Murcia
- Degree of Doctor by the University of Alicante
- Specialist in Ophthalmology from the Autonomous University of Barcelona
- Master's Degree in Retina and Surgery at IMO (Institute of Ocular Microsurgery). Barcelona

#### Dr. Desco Esteban, Maria Carmen

- \* Specialist in Ophthalmology. Retina Unit of FISABIO Medical Ophthalmology
- Researcher at the Research Foundation of La Fe in Valencia
- Associate Prof. Ophthalmology UCH-CEU Valencia
- PhD in Medicine and Surgery from the University of Valencia
- Degree in Medicine from the University of Valencia
- Member of: The Spanish Society of Ophthalmology, The Spanish Society of Retina and Vitreous, The European Retina Society, The Valencian Society of Ophthalmology, The American Society of Ophthalmology



### Course Management | 15 tech

#### Dr. Mataix Boronat, Jorge

- Ophthalmologist in the the Institute of Retina and Ocular Diseases. Valence
- Ophthalmologist Fisabio-Medical Ophthalmology
- Ophthalmology Resident Intern. La Fe University Hospital
- \* Degree in Medicine and Surgery. Faculty of Medicine of Valencia
- Doctor Cum Laude in Medicine and Surgery. University of Valencia

#### Dr. Araiz Iribarren, Javier

- \* Scientific Director of the Surgical-Clinical Institute of Ophthalmology
- Ophthalmologist of the Retina and Vitreous Unit of the San Eloy Hospital in Osakidetxa
- Coordinator of the ICQO Retina and Vitreous Unit
- Lecturer in Ophthalmology at the Faculty of Medicine of the University of the Basque Country
- Doctor of Medicine and Surgery at the Navarra University
- Graduate in Medicine and Surgery from the Universidad de Navarra
- Specialist in Ophthalmology from the University of Zaragoza

#### Dr. Donate López, Juan

- Ophthalmologist in charge of the Retina and Macular Pathology Unit at the San Carlos Clinical Hospital, Madrid
- Head of the Ophthalmology Department at Hospital de La Luz. Quironsalud Group (Madrid)
- Managing Director of Ophthalmologic Study in Madrid
- Doctor in Ophthalmology from the Complutense University of Madrid
- Degree in Medicine and General Surgery from the University of Salamanca
- Member of: Spanish Macula Club, Spanish Society of Ophthalmology (SEO), Spanish Society of Vitreous and Retina (SERV), Oftared-Retics

## tech 16 | Course Management

#### Dr. Gallego Pinazo, Roberto

- Principal Investigator of the La Fe Health Research Institute of OFTARED
- Consultant at the Macula Unit of the Ophthalmology Department of the University and Polytechnic Hospital La Fe of Valencia
- Educational stays at Vitreuos Retina Macula Consultants in New York, the Royal Manhattan Eye, Ear and Throat Hospital and the New York University Bellevue Hospital
- Diploma in Advanced Studies in Ophthalmology from the European School of Advanced Studies in Ophthalmology in Lugano (Switzerland)
- Doctor Cum Laude from the University of Valencia
- \* Degree in Medicine and Surgery from the University of Valencia
- Member of the Orphanet Committee of Experts on Rare Diseases and of the Pan-American Retina Study Group PACORES
- Co-founder of the Spanish Macula Club

#### Dr. Arias Barquet, Luis

- Director of the Ophthalmology Clinic in Vilanova Vilanova i la Geltrú
- Head of the retina and vitreous section of the Ophthalmology Service at the University Hospital of Bellvitge
- Certified by the Digital Angiography Reading Center( New York, USA.)
- Collaborating Professor at the University of Madrid
- PhD with Extraordinary Award, Autonomous University of Barcelona
- Degree in Medicine and Surgery
- Member of: American Academy of Ophthalmology, EURETINA,Spanish Society of Ophthalmology,Spanish Society of Retina and Vitreous, Catalan Society of Ophthalmology



### Course Management | 17 tech

#### Dr. Ruiz Moreno, José María

- Ophthalmologist of the Retina and Vitreous Department of IMO (Ocular Microsurgery Institute)
- Ophthalmologist at Vissum Alicante
- Medical Director of the Vissum Ophthalmologic Corporation
- Clinical Chief of the Albacete Retina Clinical Unit, Albacete University Hospital Complex
- President of the Spanish Society of Retina and Vitreous (SERV)
- Secretary of the Retina Foundation
- Founding member and secretary of the University Association of Ophthalmology of Alicante
- Member of the Spanish Club of Implanto Refractive Surgery
- Member of the Spanish Society of Ophthalmology (SEO), the American Academy of Ophthalmology (AAO) and the European Society of Retina Specialists (EURETINA). IP OftaRed

#### Dr. Ruíz Medrano, Jorge

- Ophthalmologist at the San Carlos Clinical University Hospital
- Area Specialist Physician. Puerta de Hierro de Majadahonda University Hospital
- Doctorate Cum Laude by the Complutense University of Madrid
- Felowship in Surgical Retina and Ocular Oncology at the Jules-Gonin Hospital of Lausanne
- Fellowship at the University Hospital of Bellvitge
- Fellow at the European Board of Ophthalmology. Paris

#### Dr. González Viejo, Inmaculada

- Specialist in Ophthalmology and Subspecialist in Pediatric Ophthalmology at the Ferrer Novella Ophthalmology Clinic
- \* Specialist in Ophthalmology. Miguel Servet University Hospital
- Ophthalmologist. Miguel Servet Children's Hospital

#### Dr. Montero Moreno, Javier Antonio

- Head of the Ophthalmology Department. Rio Hortega University Hospital of Valladolid
- \* Specialist in the Retina Department at Oftalvist Madrid
- Degree in Medicine. Valladolid
- \* Doctor of Medicine. Miguel Hernández University of Alicante
- Specialist in Ophthalmology Via MIR
- \* Member of: Spanish Society of Ophthalmology, Spanish Society of Retina-Vitreous, EURETINA

#### Dr. Coco Martín, Rosa Maria

- \* Medical Director of the Institute of Applied Ophthalmobiology (IOBA), University of Valladolid
- Specialist in rare diseases
- Professor of Ophthalmology at the University of Valladolid
- Member of: The Spanish Society of Ophthalmology, The Spanish Society of Retina and Vitreous, The American Academy of Ophthalmology

#### Dr. Espinosa Garriga, Gerard

- \* Consultant physician of the Autoimmune Diseases Service of the Hospital Clínic of Barcelona
- \* Consultant of the Autoimmune Diseases Service of the Clinic Hospital of Barcelona
- Teaching Coordinator of the ICMiD of Hospital Clinic
- Researcher specialized in systemic lupus erythematosus
- Principal investigator of the BeliLES-GEAS registry
- Coordinator of the Working Area of Behcet's disease (GEAS)
- Doctorate from the University of Barcelona
- Degree in Medicine from the Autonomous University of Barcelona

## tech 16 | Course Management

#### Dr. Abreu González, Rodrigo

- Ophthalmologist specializing in Retina and Vitreous at the Candelaria University Hospital - Tenerife
- Specialized professional of the Macula Vision Group, of the Abreu Ophthalmology Center and La Candeleria University Hospital in Santa Cruz de Tenerife
- Member of the prestigious societies: panish Retina and Vitreous Society (SERV), American Academy of Ophthalmology (AAO)

#### Dr. Hernández, Pablo

Specialist in Plastic, Aesthetic, and Reconstructive Surgery

#### Dr. Fonollosa Calduch, Alex

- Associate Ophthalmologist at Cruces Hospital
- Ophthalmologist at the Retina and Uveitis Section of the Ophthalmologic Institute of Bilbao
- Assistant in the Ophthalmology Service of the Vall D`Hebron Hospital
- Researcher of the BioCruces Ophthalmology Research Group
- President of the Spanish Society of Ocular Inflammation
- Doctor of Medicine, Autonomous University of Barcelona
- Degree in Medicine from the University of Barcelona

#### Dr. Capella Elizalde, Maria José

- Ophthalmology Specialist Retina Unit Barraquer Clinic of Barcelona
- Sbspecialty in Uveitis and Ocular Inflammation at the Massachusetts Eye Research and Surgery Institution and the Bascom Palmer Eye Institute
- Degree in Medicine from the Autonomous University of Barcelona
- Member of: International Ocular Inflammation Society, Spanish Society of Ocular Inflammation and Spanish Society of Retina and Vitreous



### Course Management | 17 tech

#### Dr. Palacios Pozo, Elena

- Ophthalmologist in the Medical-Surgical Unit in Retina, Vitreous and Uveal Diseases at the Fisabio Medical Ophthalmology Hospital (FOM)
- Ophthalmologist in the Medical-Surgical Unit in Retina, Vitreous and Uveal Diseases at Clínica Oftalvist. Valencia, Spain
- Ophthalmologist at the Institute of Retina and Eye Diseases
- General Ophthalmologist at the Quirónsalud Hospital Group
- Specialist Physician at Miguel Servet University Hospital
- Degree in Medicine and Surgery from the University of Alcalá
- Doctor in Medicine and Surgery, CEU Cardenal Herrera University
- Resident Medical Intern at the University Hospital and Polytechnic La Fe. Valencia, Spain
- Member of: American Academy Ophthalmology (AAO), Spanish Society of Vitreous Retina (SERV), Spanish Society of Ophthalmology (SEO), Ophthalmological Society of the Valencian Community (SOCV)

Take the next step to get current on the latest developments in Uveitis and Retina"

## 04 Structure and Content

The structure of the contents has been designed by the team of professionals aware of the implications of specialization in the daily medical practice in patients with uveitis and retinal pathologies, aware of the relevance of specialization in the professional today, this program guarantees the approach of the main issues in the current development of clinical ophthalmology.

) The Postgraduate Diploma in Uveitis and Retinal Pathologies comprises the most complete and up-to-date scientific program on the market"

## tech 20 | Structure and Content

MANDAR WANDER WALLAND

#### Module 1. Actualize in Surgical Retina

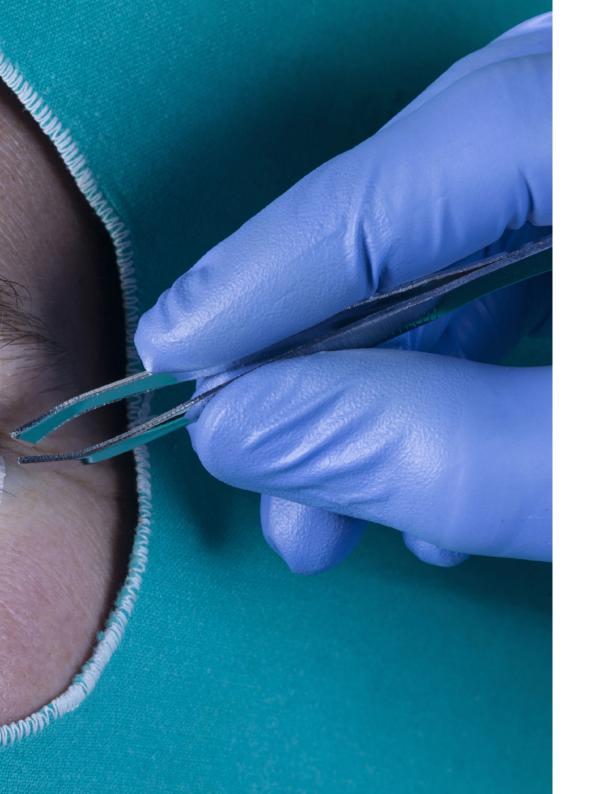
- 1.1. Update on Retinal Surgery
- 1.2. Vitreous Substitutes in Surgery
- 1.3. New Techniques in Vitrectomy
- 1.4. Retinal Detachment and PVR Surgery
- 1.5. Macular Surgery: on the Surface
- 1.6. Macular Surgery: Subretinal
- 1.7. Surgery on Diabetic Retinopathy
- 1.8. Surgery on Intraocular Tumors
- 1.9. Posterior Pole Surgery in Anterior Pole Complications

#### Module 2. Medical Retina Up-to-date

- 2.1. Non-AMD Subretinal Neovascularization
- 2.2. Update on Macular Diagnosis
- 2.3. Diabetic Retinopathy
- 2.4. Retinal Vascular Occlusions
- 2.5. Retinopathy of Prematurity
- 2.6. Macular Degeneration Related to Aging
- 2.7. Myopia Magna and Pathologic Myopia
- 2.8. Posterior Segment Tumors
- 2.9. Retinal Dystrophies

#### Module 3. Uveitisup-to-date

- 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
- 3.8. Infectious Posterior Uveitis



## Structure and Content | 21 tech

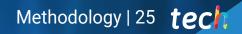
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A unique, key, and decisive educational experience to boost your professional development"

# 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.



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.
- 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.



## 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

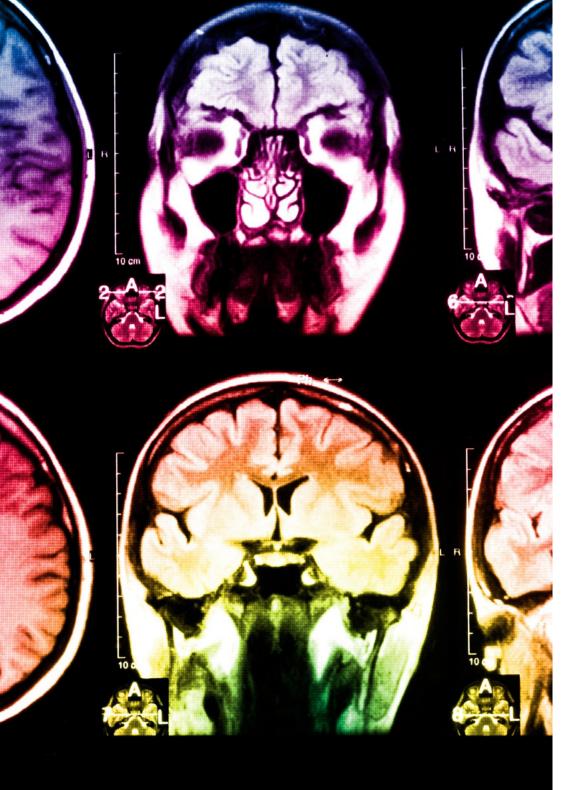
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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 Diploma in Uveitis and Retina guarantees, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma certificate 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"

## tech 32 | Certificate

This private qualification will allow you to obtain a **Postgraduate Diploma in Uveitis and Retinal Pathologies** 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** private qualification 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 Diploma in Uveitis and Retinal Pathologies Modality: online Duration: 6 months Accreditation: 18 ECTS



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

tecn global university Postgraduate Diploma Uveitis and Retinal Pathologies » Modality: online » Duration: 6 months » Certificate: TECH Global University » Schedule: at your own pace » Exams: online

## **Postgraduate Diploma** Uveitis and Retinal Pathologies



SOCIEDAD ESPAÑOLA DE OFTALMOLOGÍA

