

Postgraduate Certificate

Update on Retina





Postgraduate Certificate Update on Retina

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

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

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01

Introduction

The retina, a vital structure for vision, has been the subject of technological and scientific advances in recent years. High-resolution imaging techniques, such as optical coherence tomography (OCT), enable early and accurate detection of diseases such as macular degeneration and macular edema. In addition, innovative therapies, such as gene therapy and artificial retinal implantation, provide hope for patients with degenerative retinal diseases. These updates are vitally important, as they improve patients' quality of life and preserve their precious sense of sight. For this reason, TECH has launched the following 100% online program with the aim of providing up-to-date and rigorous information to medical professionals so that they can learn about the latest developments in the sector.



A close-up portrait of a woman with blonde hair and brown eyes, looking slightly to the right. The image is partially obscured by a blue diagonal graphic element on the right side of the page.

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Increase your knowledge of the procedure for addressing retina disorders through this program, where you will find the best teaching material, high-definition images and real clinical cases. Learn about the latest advances in diagnosis and therapeutics technique to provide quality care"

New technologies have had an impact on all areas, including medicine, and have contributed to making diagnosis and treatment processes faster and more effective. For ophthalmology, it has not been different, and today there are several advances that include the retina, one of the most important areas of professional care.

Diseases such as macular degeneration, diabetic retinopathy or retinal detachment require proper care, provided these days by skilled professionals with extensive knowledge in the use of new medical processes and handling of utensils and technological tools. For this reason, TECH has launched this Postgraduate Certificate in Retina Updating in order to specialize the doctor with the most recent advances in the sector.

It is a 100% online program, nourished with audiovisual resources, complementary readings and practical exercises proposed with the Relearning methodology, focused on repetition and experience, confronting the professional with real and simulation cases. It also has the participation of experts and specialists, who in addition to directing the program, have poured into the study material their years of work, making this degree an exclusive academic conglomerate.

This **Postgraduate Certificate in Update on Retina** 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 addressing retina pathologies
- ♦ The graphic, schematic, and practical contents with which they are created contain clinical information that is indispensable for professional practice
- ♦ Diagnostic and therapeutic innovations in managing retina 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 clinical situations regarding 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



*Refresh your knowledge
through the Update on Retina
Postgraduate Certificate"*

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This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in the management of patients with retinal pathologies, you will obtain a qualification from TECH Global University”

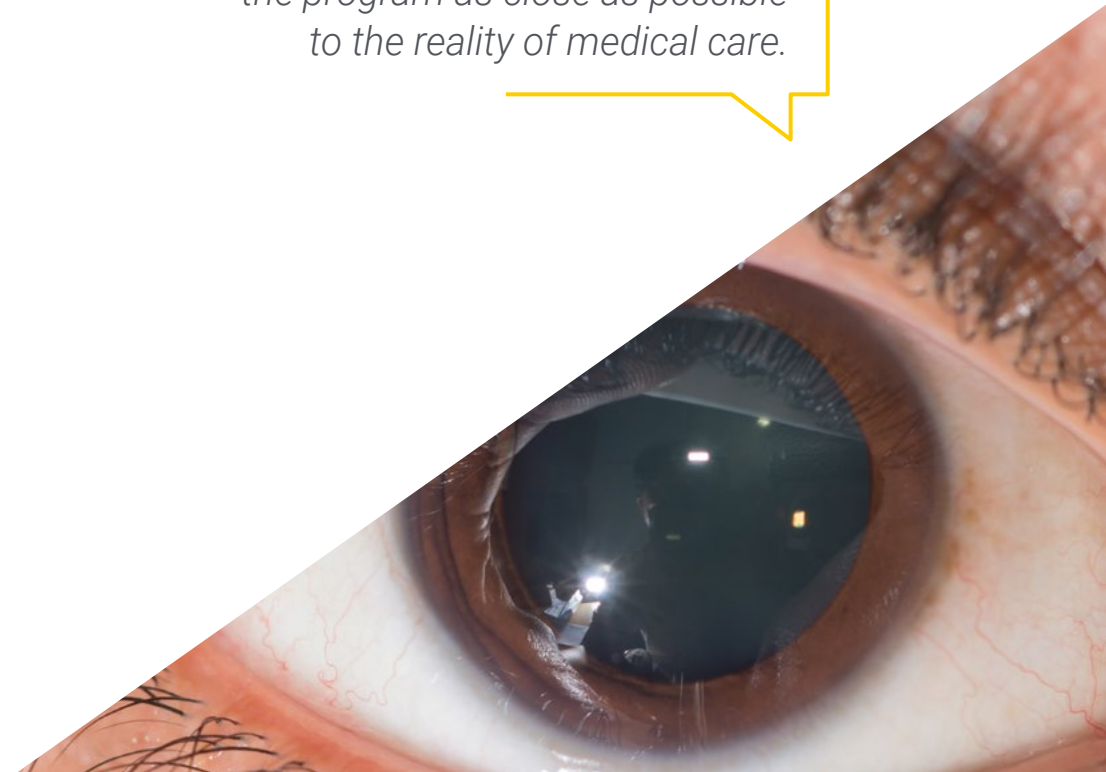
The program's teaching staff includes professionals from the industry who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to specialize in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

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

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



02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the physician can thoroughly and practically master the care of retina pathology patients.





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



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



Make the most of the opportunity and get up to date on the latest developments on managing retina pathologies"





Specific Objectives

- 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
- 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

03

Course Management

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





Learn from leading professionals the latest advances in diagnostic and therapeutic procedures in retina pathologies"

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. 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. 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
- ◆ PhD in Medicine and Surgery from the University of Navarra
- ◆ Graduate in Medicine and Surgery from Navarra University
- ◆ Specialist in Ophthalmology from the University of Zaragoza

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, 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)

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 from the Complutense University of Madrid
- ♦ Fellowship 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. Hernández, Pablo

- ♦ Specialist in Plastic, Aesthetic, and Reconstructive Surgery

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

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
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Dr. Mataix Boronat, Jorge

- ♦ Ophthalmologist in the Institute of Retina and Ocular Diseases. Valencia
- ♦ 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. 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
- ◆ Educative stays at Vitreous 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. 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 Implantable 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. 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, Society of Retina-Vitreous and EURETINA

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, Catalan Society of Ophthalmology and Spanish Society of Retina and Vitreous



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

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Students will be able to learn with the advantages that stem from having access to simulated learning environments and the “Learning from an expert” approach, in which they learn through observation”

04

Structure and Content

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



“

This Update on Retina Postgraduate Certificate is the most comprehensive and up-to-date scientific program on the market”

Module 1. Update 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 Update

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





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A unique, crucial and decisive learning 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.

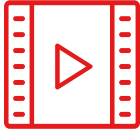
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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

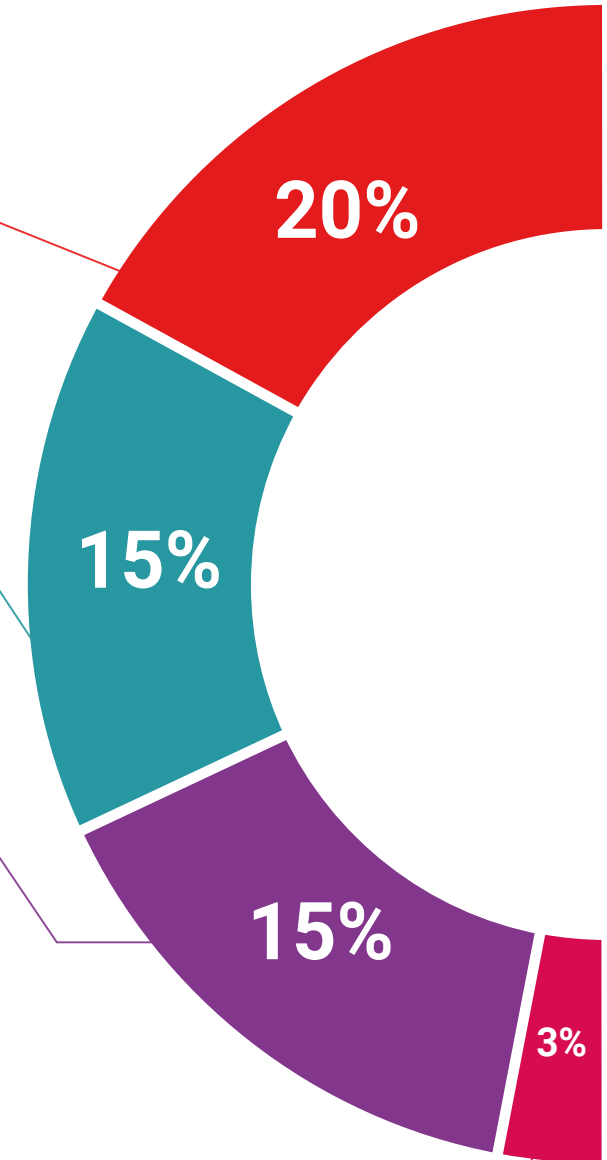
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

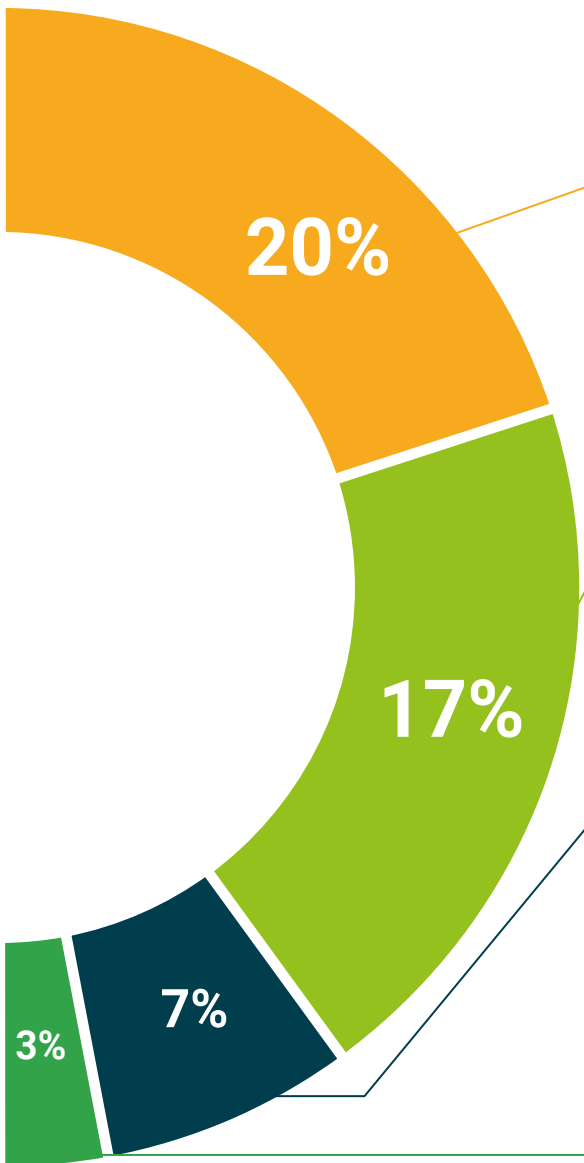
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Update on Retina guarantees, in addition to the most accurate and up-to-date education, access to a Postgraduate 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”

This private qualification will allow you to obtain a **Postgraduate Certificate in Update on Retina** 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 Certificate in Update on Retina**

Course Modality: **Online**

Duration: **12 weeks**

Accreditation: **12 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.

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



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Postgraduate Certificate

Update on Retina

