

Postgraduate Certificate Ocular Oncology





Postgraduate Certificate Ocular Oncology

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/ocular-oncology

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

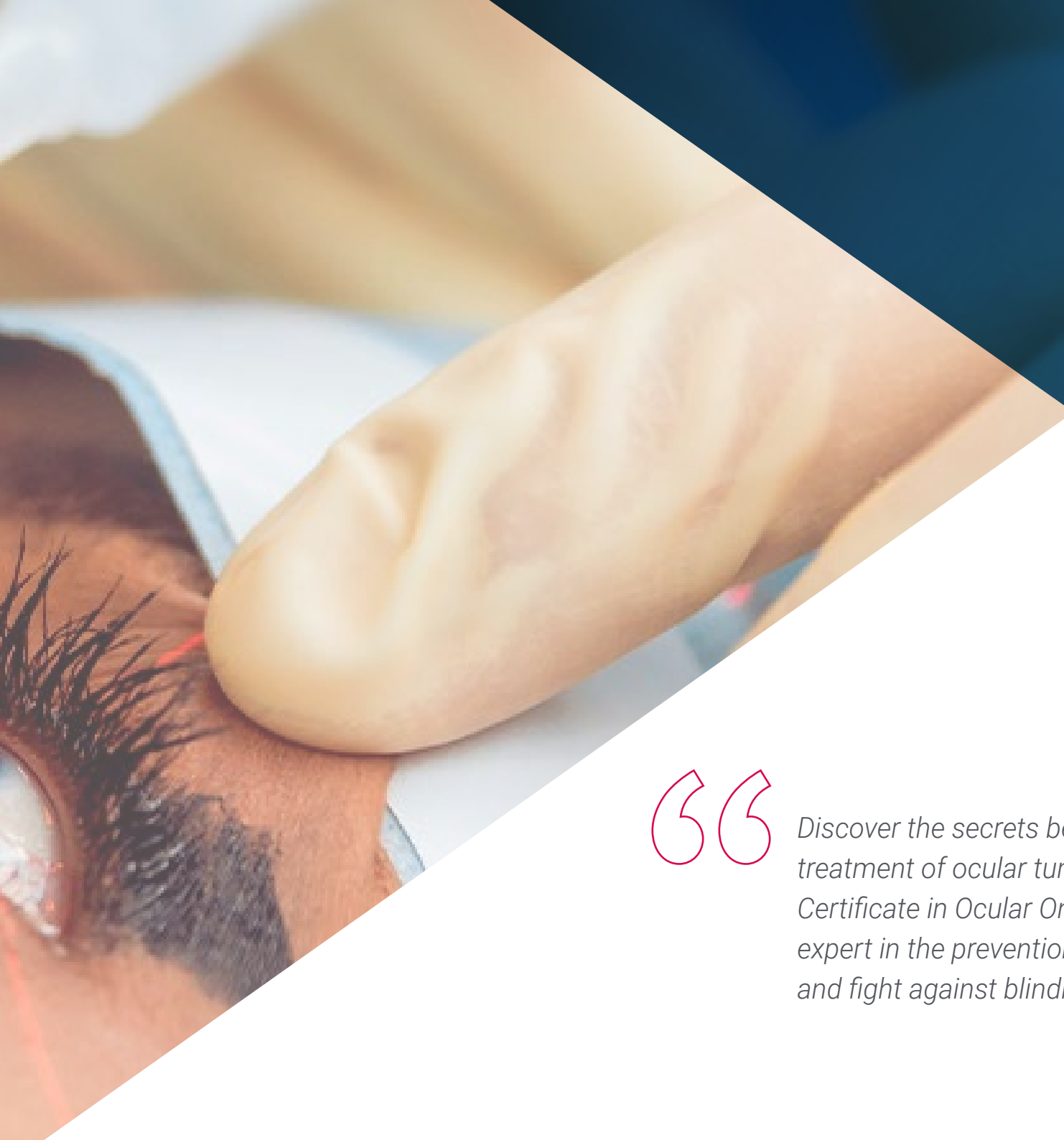
p. 28

01

Introduction

Ocular Oncology is a subspecialty of Ophthalmology dedicated to the diagnosis and treatment of ocular tumors, both benign and malignant. This specialty requires specialized training in ocular tumors, which are quite rare and therefore difficult to diagnose and treat properly. These tumors can affect different structures of the eye and their symptoms vary depending on the location and type of tumor. This is why this area is a complex and constantly evolving medical specialty, which requires constant updating that TECH provides in its qualification on the sector, in which it offers an interdisciplinary approach for the best care and treatment to patients in a 100% online modality.





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Discover the secrets behind the early detection and treatment of ocular tumors thanks to this Postgraduate Certificate in Ocular Oncology, and thus become an expert in the prevention and treatment of these tumors and fight against blindness due to ocular cancer"

Ocular Oncology is responsible for the diagnosis, treatment and follow-up of tumors affecting the ocular and orbital region. Ocular tumors can be benign or malignant, and their treatment depends on the type, location and size of the tumor. Early detection and appropriate treatment are essential to avoid vision loss and prevent the spread of cancer to other parts of the body.

Given the complexity of Ocular Oncology, training is necessary for those who wish to dedicate themselves to this branch of ophthalmology, and TECH provides this solution in the Postgraduate Certificate in Ocular Oncology. The objective of this program is to provide students with the necessary knowledge to understand the epidemiological aspects of ocular tumors, the classification of neoplasms, complementary tests and treatment techniques used in Ocular Oncology.

The program is structured in a module that addresses different aspects of Ocular Oncology, from cancer etiology to surgical treatment techniques, chemotherapy and radiotherapy. Students will learn to use the necessary tools for the diagnosis and treatment of ocular tumors, as well as to recognize the risk factors and symptoms associated with these pathologies.

The Postgraduate Certificate in Ocular Oncology will be taught 100% online, allowing students to organize their academic resources in a flexible way and adapt the pace of study to their needs. The *Relearning* pedagogical methodology allows students to apply the theoretical knowledge acquired to practical situations and clinical cases. In addition, participants will be guided by top-level specialists in the field, who will be available to answer questions and provide support throughout the learning process.

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

- The development of case studies presented by medical experts focused on Ocular Oncology
- Graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- 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



Learn how to treat ocular tumors with the latest diagnostic and therapeutic techniques available, and become a reference in Ocular Oncology"

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Don't wait any longer to specialize in Ocular Oncology! Join this 100% online program and acquire the skills and knowledge you need to excel in your professional career"

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

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

Access the best tools and resources to deepen your knowledge of ocular tumor pathology with this 100% online Postgraduate Certificate in Ocular Oncology.

Learn from leading professionals in Ocular Oncology and acquire practical and theoretical skills to improve your clinical and diagnostic skills.



02 Objectives

The purpose of this Postgraduate Certificate in Ocular Oncology is to broaden and update the students' knowledge about the different tumor pathologies that affect the eyeball and its annexes, as well as to deepen their understanding of the diagnostic techniques and the different therapeutic options available. Through this program, students will become familiar with the latest techniques and advances in the field of Ocular Oncology, which will allow them to offer better treatment and care to their patients. In this way, participants will be able to acquire practical skills and abilities that will allow them to effectively and efficiently face the different challenges that arise in the care of patients with malignant ophthalmologic pathologies.



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*Know everything about Biopsies in Ocular
Oncology and be the expert that every
medical institution wishes to have"*



General Objectives

- Update knowledge on the different tumors that can affect the eye and its appendages
- Deepen in the diagnostic-therapeutic approach of ocular neoplasms
- Delve into the main common characteristics of ocular neoplasms
- Deepen in the different tumor lesions that can affect the eyelids, the lacrimal drainage pathway and the orbit
- Investigate the different types of tumors that can be located on the ocular surface, cornea and conjunctiva
- Delve into the most recent research in Oncological Ophthalmology





Specific Objectives

- Update knowledge on tumor pathology affecting the eyeball and its appendages
- Deepen the knowledge of diagnostic techniques and the different therapeutic possibilities available

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Become an expert in Ocular Oncology and improve your clinical practice with up-to-date knowledge on the pathologies and treatments of ocular tumors”

03

Course Management

TECH is responsible for ensuring academic excellence and the quality of teaching provided to students. To achieve this, they have a highly trained teaching team with extensive experience in the field of oncological ophthalmology. This team is in charge of providing students with all the necessary tools to develop their abilities and skills in the diagnosis and treatment of malignant or benign ophthalmologic pathologies. In this way, students will be able to develop their potential in a constantly evolving and booming field, where innovation and knowledge are key to success.



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The main objective of the course management is to ensure that students receive an elite education in the specialty of Ocular Oncology, which will allow them to grow both professionally and personally"

Chef d'orchestre invité international

Dr. Arun Singh is a true international eminence in Ophthalmic Oncology, a field to which he has dedicated more than three decades of his professional career. His career has been focused on research and treatment of eyelid and conjunctival tumors. He has also delved into pathologies such as Retinoblastoma and Uveal Melanoma.

For his exceptional clinical career, this expert has been recognized by both the Royal College of Ophthalmologists in the United Kingdom and the American Board of Ophthalmology in the United States. In addition, he has received a Career Achievement Award. These distinctions, which underline his excellence, are also endorsed by his prolific scientific work, with more than 160 articles in journals of high academic impact.

Another of his important contributions to this medical specialty has been the book *Clinical Ophthalmic Oncology*, considered an essential reference text for experts and professionals in training. His work as Editor of the prestigious *British Journal of Ophthalmology* is also noteworthy.

His excellent healthcare praxis has allowed him to take on challenges such as leading the Department of Ophthalmic Oncology at the Cleveland Clinic in Ohio, USA. From that position he has dedicated extensive efforts to the study of other ocular pathologies and, in turn, collaborates with the Pediatric Program of Uncommon Cancers and Blood Diseases.

As for his training, Dr. Singh began his medical education in India, at the Jawaharlal Institute and Mandras University. Subsequently, he developed internships and fellowships at the University of Florida, as well as completed his internship at St. Luke's Hospital in Bethlehem. He completed his specialization in Ocular Oncology at Wills Eye Hospital in Philadelphia. He has also been linked to highly reputable international organizations such as the Association for Research in Vision and Ophthalmology.



Dr. Arun Singh

- Director, Department of Ophthalmic Oncology, Cleveland Clinic, Ohio, USA
- Editor of the British Journal of Ophthalmology
- Editor of the academic book Clinical Ophthalmic Oncology
- Specialist in Ophthalmology from the University of Florida
- Internships at Watford General and St. Luke's Hospitals, Watford, Florida
- Graduate of Medicine and Surgery from the Jawaharlal Institute and the University of Mandras
- Member of:
 - International Association for Research in Vision and Ophthalmology
 - International Society of Ocular Oncology
 - American Academy of Ophthalmology
 - Royal College of Ophthalmologists of London, UK
 - Royal College of Surgeons of Edinburgh, UK

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Grâce à TECH, vous pourrez apprendre avec les meilleurs professionnels du monde”

Management



Dr. Garrido Hermosilla, Antonio Manuel

- Medical Specialist in Ophthalmology
- Specialist in the Ophthalmology Service of the Virgen Macarena University Hospital
- Specialist in Oculoplasty-Orbit and Ocular Oncology Units
- Specialist in National Reference Units (CSUR) for Adult and Childhood Intraocular Tumors
- Co-coordinator of Andalusian Reference Units (UPRA) for the Integral Management of the Anophthalmic Cavity and for Graves' Orbitopathy
- Tutor for Ophthalmology Interns



Dr. Relimpio López, María Isabel

- Coordinator of the Adult Intraocular Tumors Unit at the CSUR of the Hospital Virgen Macarena
- Specialist Area Physician (FEA) in the Ophthalmology Service at the University Hospital Virgen Macarena (HUVVM)
- Specialist in the Retina and Ocular Oncology Units of the HUVVM
- Coordinator of the National Reference Unit (CSUR) for Adult Intraocular Tumors
- Specialist in the National Reference Unit (CSUR) for Childhood Intraocular Tumors
- Ophthalmologist in the European Network ERN-PaedCan for Retinoblastoma
- PhD in Medicine, University of Seville
- Clinical Tutor of Ophthalmology, Medical Degree, University of Seville



Professors

Dr. Domínguez Serrano, Francisco de Borja

- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist Area Practitioner (FEA) in the Ophthalmology Service, Virgen Macarena University Hospital (HUVVM)
- ◆ Ophthalmologist in the Retina and Ocular Oncology Units of the HUVVM
- ◆ Ophthalmologist at the National Reference Unit (CSUR) for Adult Intraocular Tumors
- ◆ Clinical Tutor of Ophthalmology of the Medicine Degree at the University of Seville

Dr. Soto Sierra, Marina

- ◆ Ophthalmologist of the Andalusian Ophthalmologic Institute
- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Service of the Virgen Macarena University Hospital in the Uveitis and Ophthalmopediatrics-Strabismus Units
- ◆ Ophthalmology Clinical Tutor

Dr. Gómez Escobar, Antonio José

- ◆ Medical Specialist in Geriatrics and Ophthalmology
- ◆ Specialist in the Ophthalmology service of the Virgen Macarena University Hospital, for the Macula and Ocular Oncology units, and the National Reference Unit (CSUR) for Adult Intraocular Tumors
- ◆ Ophthalmology Resident Medical Interns (MIR) Tutor
- ◆ Ophthalmology Clinical Tutor

04

Structure and Content

The agenda of this academic program includes a wide variety of topics and concepts related to tumor pathology affecting the eyeball and its annexes. Among the most relevant aspects, epidemiological issues of ocular tumors, the classification of neoplasms according to location, histological subtype and age, tumorigenesis, as well as a wide variety of complementary tests, such as anterior pole imaging and OCT, among others, are addressed. Likewise, biopsies in Ocular Oncology and the different treatments used for their treatment, such as chemotherapy, radiotherapy and surgical treatments are also studied. The course is taught 100% online and has a variety of dynamic resources that allow students to interact effectively with the content, ensuring a unique and enriching learning experience.





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Specialize in Ocular Oncology with this 100% online Postgraduate Certificate and update your knowledge on tumor pathologies and diagnostic and therapeutic techniques”

Module 1. Ocular Oncology

- 1.1. Epidemiological Aspects of Ocular Tumors
 - 1.1.1. Definition of Neoplasms
 - 1.1.2. Risk Factors
 - 1.1.3. Epidemiology
- 1.2. Classification of Ocular Neoplasms
 - 1.2.1. According to Main Location
 - 1.2.2. According to Histological Subtype
 - 1.2.3. According to Age
- 1.3. Tumorigenesis
 - 1.3.1. Etiology of Cancer
 - 1.3.2. Immunology
 - 1.3.3. Genetics
- 1.4. Complementary Tests I
 - 1.4.1. Anterior Pole Imaging
 - 1.4.2. Retinography
 - 1.4.3. Wide Field Imaging
- 1.5. Complementary Tests II
 - 1.5.1. Fluorescein Angiography
 - 1.5.2. Indocyanine Green Angiography
 - 1.5.3. Autofluorescence
- 1.6. Complementary Tests III: Optical Coherence Tomography (OCT)
 - 1.6.1. Anterior Pole OCT
 - 1.6.2. Posterior Pole OCT
 - 1.6.3. Angio-OCT
- 1.7. Complementary Tests IV: Ultrasound
 - 1.7.1. Ultrasonic Biomicroscopy (BMU)
 - 1.7.2. Ocular Ultrasonography
 - 1.7.3. Doppler Ultrasound
- 1.8. Complementary Tests V: Orbit and Extension Study
 - 1.8.1. Computerized Axial Tomography (CAT)
 - 1.8.2. Positron Emission Tomography (PET) - CT Scan
 - 1.8.3. Magnetic Resonance Imaging (MRI)
- 1.9. Biopsies in Ocular Oncology
 - 1.9.1. Criteria for Taking Biopsies
 - 1.9.2. Technique in Orbit and Ocular Surface Neoplasms
 - 1.9.3. Technique in Intraocular Neoplasms
- 1.10. Treatments Used in Ocular Oncology
 - 1.10.1. Chemotherapy
 - 1.10.2. Radiotherapy
 - 1.10.3. Surgical Treatments



Take advantage of the opportunity to train in Ocular Oncology thanks to this program with Relearning methodology, designed to adapt to your schedules and needs"



05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



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

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

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

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



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06 Certificate

The Postgraduate Certificate in Ocular Oncology guarantees students, in addition to the most rigorous 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 program will allow you to obtain your **Postgraduate Certificate in Ocular Oncology** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (**official bulletin**). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Ocular Oncology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 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
knowledge present quality
online training
development languages
virtual classroom



Postgraduate Certificate Ocular Oncology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
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- » Schedule: at your own pace
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Postgraduate Certificate Ocular Oncology

