

Postgraduate Certificate

Ocular Surface and Corneal Tumors





Postgraduate Certificate Ocular Surface and Corneal Tumors

- » 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-surface-corneal-tumors

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01

Introduction

Ocular Surface and Corneal Tumors can have serious consequences on the visual and general health of patients, so early detection and treatment are essential. In this sense, the various medical institutions emphasize the continuous training of health professionals to provide quality care and updated in this pathology. In view of this, TECH offers a very complete program on the diagnosis and treatment of this pathology, with the innovative teaching methodology of TECH the Relearning, the program allows a better assimilation of knowledge. In addition, being 100% online, this training is adapted to the needs of health professionals anywhere in the world.





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Do you want to become an expert in ocular surface tumors? In this program, you will be guided by outstanding lecturers who will provide you with relevant information for the correct therapeutic management of these pathologies”

Ocular Surface and Corneal Tumors are an increasingly frequent and complex ocular pathology. Early detection and the correct therapeutic approach to these tumors can be crucial to ensure a good visual prognosis and avoid serious complications. In this context, it is becoming increasingly necessary to have professionals skilled in the diagnosis and treatment of these pathologies.

To help these professionals, TECH has developed a Postgraduate Certificate that aims to provide students with the knowledge and skills necessary for the diagnosis and treatment of the different types of tumors that can affect the ocular surface and the cornea. The program will cover topics such as the anatomy of the conjunctiva, the different types of non-pigmented and pigmented tumors, diagnostic techniques and complementary tests, as well as the different therapeutic options, both medical and surgical.

All this is done by TECH using the Relearningpedagogical methodology, which promotes autonomous learning and flexibility in the organization of academic resources. Students will have access to quality teaching materials, explanatory videos, real case studies and the guidance of tutors who are experts in the field. In addition, the program is designed to adapt to the needs of students, allowing them to learn at their own pace and from anywhere in the world, making it possible to combine your professional life with your personal life.

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

- ◆ The development of practical cases presented by experts in medicine, focusing on Ocular Surface and Cornea Tumors
- ◆ 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



Discover the secrets behind the diagnosis of Ocular Surface and Corneal Tumors thanks to this program where you will learn to differentiate neoplasms from other simulating lesions"

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With this program you will have an update in tumor pathology, the content of the Postgraduate Certificate is enhanced with the latest advances in research and technology in the field"

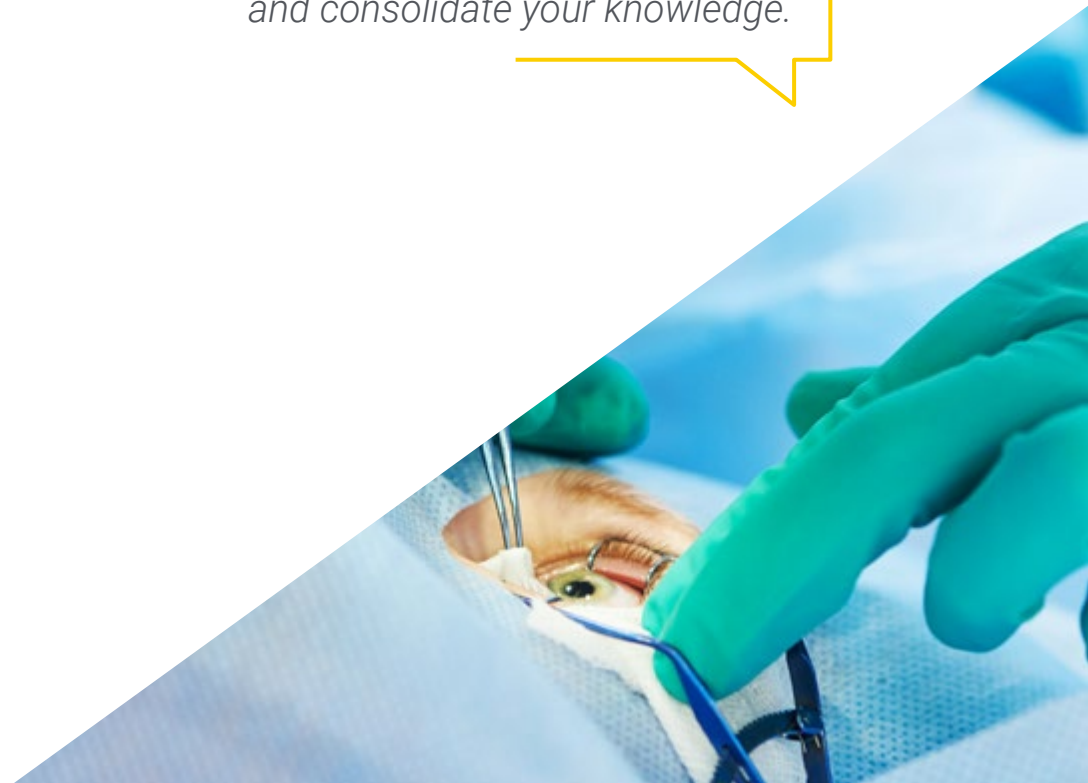
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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.

Learn about the Relearning method, a pedagogical methodology designed for you to learn in an effective way, with a combination of theory and practice.

With TECH you will have the best audiovisual material and case studies so you can deepen and consolidate your knowledge.



02 Objectives

The Postgraduate Certificate aims to develop clinical skills for an adequate diagnosis of ocular surface tumors, including the interpretation of the necessary complementary tests. It also focuses on delving into the different types of treatment available to address ocular surface tumors, both surgical and non-surgical, for proper therapeutic management. In this way, the program provides students with the necessary tools for a complete and effective approach to ocular surface and corneal tumor pathology.





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This Postgraduate Certificate in Ocular Surface and Corneal Tumors aims to provide students with a complete training on the tumor pathology that can occur in this area of the eye"



General Objectives

- ◆ Update knowledge on the different tumors that can affect the eye and its appendages
- ◆ Delve into the diagnostic-therapeutic approach of ocular neoplasms
- ◆ Delve into the main common characteristics of ocular neoplasms
- ◆ Delve into 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

- ◆ Provide updated information on tumor pathology affecting the eyelids lacrimal, drainage duct and orbit, including differential diagnosis with neoplastic simulating lesions
- ◆ Delve into the clinical skills necessary for the correct diagnosis of ocular surface tumors, including the management of complementary tests
- ◆ Delve into the different types of surgical and non-surgical treatment for a correct therapeutic management of ocular surface tumors

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Would you like to acquire clinical skills for the diagnosis of ocular surface tumors? In this program, we will delve into the techniques necessary to obtain an accurate diagnosis”

03

Course Management

TECH to ensure the quality of education has selected the best teachers with extensive experience and knowledge in the field. These experts are highly trained to deliver classes effectively and dynamically, through a Relearning methodology, using the latest tools and technologies to enhance the learning experience of students. In addition, these experts are responsible for overseeing all program content, ensuring that it is up to date and relevant to the students' training.





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At TECH, quality education is valued, which is why the Ocular Surface and Corneal Tumors course leadership works tirelessly to ensure that students receive a top-notch education"

International Guest Director

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. Singh, Arun

- 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 Madras
- 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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Thanks to TECH, you will be able to learn with the best professionals in the world”

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. Mataix Albert, Beatriz

- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Service of the University Hospital Virgen Macarena (HUVVM) in the Retina and Ocular Oncology Units and in the National Reference Unit (CSUR) for Adult Intraocular Tumors
- ◆ Coordinator of the Andalusian Reference Unit (UPRA) for the Comprehensive Management of Ocular Surface Tumors
- ◆ Ophthalmology Clinical Tutor
- ◆ PhD in Medicine, University of Granada

Dr. Gessa Sorroche, María

- ◆ Ophthalmologist at the Virgen Macarena Hospital
- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Service of the University Hospital Virgen Macarena (HUVVM) in the Retina and Ocular Oncology Units and in the National Reference Unit (CSUR) for Adult Intraocular Tumors
- ◆ Coordinator of the Andalusian Reference Unit (UPRA) for Boston Keratoprosthesis
- ◆ Ophthalmology Clinical Tutor
- ◆ PhD in Medicine, University of Seville

Dr. Casanovas Mercadal, Pilar

- ◆ Medical Ophthalmology at the Virgen Macarena University Hospital
- ◆ Medical Specialist in Allergology and Ophthalmology
- ◆ Specialist in the Ophthalmology Department of the Virgen Macarena University Hospital (HUVVM)
- ◆ Ophthalmology Clinical Tutor

Dr. Caro Magdaleno, Manuel

- ◆ Medical Specialist in Ophthalmology of the Virgen Macarena University Hospital
- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Department of the Virgen Macarena University Hospital (HUVVM) of the Cornea-Eye Surface Unit
- ◆ Coordinator of the Andalusian Reference Unit (UPRA) for Confocal Microscopy of the Anterior Pole
- ◆ Member of the of the RICORS Research Network for Inflammatory Diseases of the Instituto de Salud Carlos III
- ◆ Associate Professor in Ophthalmology
- ◆ PhD in Medicine, University of Seville



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

04

Structure and Content

The academic program presents an adequate thematic structure to provide students with the best knowledge in aspects such as anatomy, non-pigmented and pigmented tumors, diagnosis and medical and surgical treatment, as well as the prognosis of these tumors. For this purpose, the program module deals with the conjunctiva, vascularization and innervation. It then delves into the different types of non-pigmented and pigmented tumors, including squamous neoplasms, lymphomas and dermoid cysts. It also explores various techniques such as slit lamp examination, impression cytology and anterior segment OCT. This Postgraduate Certificate is offered 100% online, with a Relearning pedagogical methodology and flexibility to organize academic resources.





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Expand your knowledge! In this Postgraduate Certificate you will learn about the different types of tumors of the ocular surface, conjunctiva and cornea, as well as the diagnosis and appropriate treatment"

Module 1. Tumors of Ocular Surface and Cornea

- 1.1. Anatomy
 - 1.1.1. Anatomy of the Conjunctiva
 - 1.1.2. Vascularization
 - 1.1.3. Innervation
- 1.2. Non-pigmented Tumors I
 - 1.2.1. Squamous Neoplasm of the Ocular Surface (SNOS)
 - 1.2.2. Lymphoid Hyperplasia
 - 1.2.3. Lymphomas
- 1.3. Non-pigmented Tumors II
 - 1.3.1. Dermoid Cysts
 - 1.3.2. Papillomas
 - 1.3.3. Pyogenic Granuloma
- 1.4. Pigmented Tumors I
 - 1.4.1. Nevi
 - 1.4.2. Racial Melanocytosis
 - 1.4.3. Primary Acquired Melanocytosis
- 1.5. Pigmented Tumors II
 - 1.5.1. Secondary Acquired Melanocytosis
 - 1.5.2. Melanoma
 - 1.5.3. Simulating Injuries
- 1.6. Diagnosis I
 - 1.6.1. Slit Lamp Examination
 - 1.6.2. Impression Cytology
 - 1.6.3. Anterior Segment OCT



- 1.7. Diagnosis II
 - 1.7.1. Angio-OCT
 - 1.7.2. Confocal Microscopy
 - 1.7.3. BMU
- 1.8. Medical Treatment
 - 1.8.1. Mitomycin C Eyedrops
 - 1.8.2. 5-fluorouracil Eyedrops
 - 1.8.3. Interferon Eyedrops
- 1.9. Surgical treatment
 - 1.9.1. Biopsy / non touch technique
 - 1.9.2. Indications
 - 1.9.3. Contraindications
- 1.10. Prognosis
 - 1.10.1. Complications
 - 1.10.2. Recurrence
 - 1.10.3. Survival

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Learn from the best professionals in Tumors, in this program you will have a team of experts in the field with extensive clinical and academic experience"

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 Surface and Corneal Tumors 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 Surface and Corneal Tumors** 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.

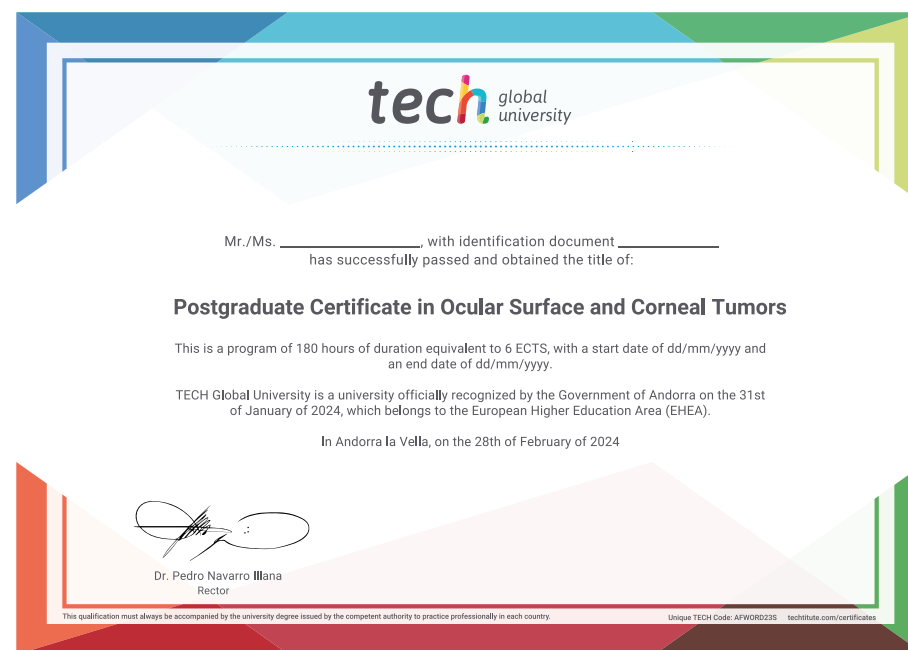
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Ocular Surface and Corneal Tumors**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



Postgraduate Certificate
Ocular Surface
and Corneal Tumors

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Postgraduate Certificate

Ocular Surface and Corneal Tumors

