

# Postgraduate Certificate Intraocular Tumors in Adults





## Postgraduate Certificate Intraocular Tumors in Adults

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

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/intraocular-tumors-adults](http://www.techtute.com/pk/medicine/postgraduate-certificate/intraocular-tumors-adults)

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# 01

# Introduction

Ocular cancer is a rare but potentially serious condition that affects both children and adults. Intraocular tumors can arise in different parts of the eye, including the retina, iris and choroid, and can be benign or malignant. Early diagnosis and proper treatment are essential to avoid complications and improve the prognosis of patients. In this context, TECH presents a training that allows ophthalmology professionals to expand their knowledge and skills in the approach to this pathology. Through this completely online program, students can learn about the most advanced diagnostic techniques and therapeutic options available. All this in a virtual environment, comfortable and accessible from anywhere and at any time.



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*Upon completion of this program you will be able to care for patients with Intraocular Tumors in Adults in an effective and personalized manner. You will be trained to provide quality and personalized medical care to your patients"*



Intraocular Tumors in Adults are an increasingly frequent pathology, which has led to the need for professionals trained in the diagnosis and treatment of this type of lesions. These tumors occur in different structures of the eye, which complicates diagnosis and treatment. In addition, some of these tumors can have serious consequences, such as loss of vision or metastasis.

For this reason, TECH has considered it necessary to provide ophthalmology specialists with the necessary tools for the correct diagnosis and treatment of intraocular tumors. This program offers comprehensive training in the diagnosis and treatment of different types of intraocular tumors, from non-tumorous pigmented lesions of the fundus to choroidal vascular tumors.

The program will cover the different types of intraocular tumors, their characteristics, diagnosis and treatment. The program syllabus ranges from non-tumorous pigmented lesions of the fundus to non-pigmented choroidal tumors, including the definition of suspicious choroidal nevus versus small choroidal melanoma, the diagnosis and treatment of choroidal melanoma, the treatment of circumscribed choroidal hemangioma, and the study of retinal vascular tumors.

The Postgraduate Certificate will also be taught online, allowing students greater flexibility in the organization of their time and academic programming. The pedagogical methodology used is Relearning, which allows a more practical training oriented to the resolution of real problems in clinical care.

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

- ◆ The development of practical cases presented by experts in medicine, focusing on Intraocular Tumors in Adults
- ◆ 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



*Prepare yourself for a successful career in the field of ophthalmology with the job opportunities offered by this Postgraduate Certificate, where you will be ready to work in the field of ophthalmology"*

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*Take advantage of the flexibility of the Relearning method to learn at your own pace and whenever you want. With it you will be able to access online content and excellent dynamic resources"*

The program's teaching staff includes professionals from the 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 professional 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 professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*This Postgraduate Certificate will provide you with the necessary skills to detect the different types of tumors and apply the most appropriate treatments for each case.*

*Explore new options in the field of ophthalmology with this training focused on Intraocular Tumors in Adults.*



# 02 Objectives

This Postgraduate Certificate is designed to provide participants with a broad knowledge of the different types of tumors that can affect the human eye, as well as the diagnostic and treatment methods that are currently used. This program seeks to train students to provide quality and personalized medical care to adult patients with intraocular tumors, taking into account not only the therapeutic approach but also the prognostic information and guidance to the patient and their family.







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*Become an expert in Intraocular Tumors in Adults and help save lives. With this program, you will be prepared to offer quality and personalized medical care to patients with Intraocular Tumors in Adults”*



## General Objectives

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- ◆ 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

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- ◆ Provide the most up-to-date knowledge about adult intraocular tumors, including their diagnostic-therapeutic approach
- ◆ Offer a therapeutic approach and prognostic information to the adult patient with an intraocular tumor

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*You will learn diagnostic and treatment techniques for Intraocular Tumors in Adults in a comprehensive way thanks to this program”*



# 03

# Course Management

TECH has counted on a high quality teaching team to conduct the Postgraduate Certificate in Intraocular Tumors in Adults. These teachers are carefully selected among the best professionals in the specialty, to ensure that the student receives quality training and updated on the latest advances in the field. The Postgraduate Certificate has experts in the field of ophthalmology, ocular oncology and ocular surgery, to offer comprehensive knowledge that prepares the student to face the challenges that arise in professional practice. In this way, the students can be sure that they will receive a first class education and will be in the best hands to acquire a deep knowledge about Intraocular Tumors in Adults.



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*The Postgraduate Certificate has a team of professional experts in the diagnosis and treatment of intraocular tumors, which guarantees a quality training"*



## 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 the 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 (HUVM)
- Specialist in the Retina and Ocular Oncology Units of the HUVM
- 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. Rodríguez De La Rúa Franch, Enrique

- ◆ Head of Service and Director of the Clinical Management Unit of the Virgen Macarena University Hospital
- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Service of the Virgen Macarena University Hospital (HUVVM)
- ◆ Coordinator of the Andalusian Reference Unit (UPRA) for Rare Eye Diseases
- ◆ Coordinator of the HUVVM Node of the RICORS Research Network for Inflammatory Diseases of the Instituto de Salud Carlos III
- ◆ PhD in Medicine, University of Valladolid

### Dr. Domínguez García, Belén

- ◆ Medical Specialist in Ophthalmology of the Virgen Macarena University Hospital
- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Service of the Virgen Macarena University Hospital (HUVVM) in the Retina and Ocular Oncology Units, and in the National Reference Unit (CSUR) for Adult and Childhood Intraocular Tumors
- ◆ Member of the European Network ERN-PaedCan for Retinoblastoma
- ◆ Ophthalmology Tutor

### Dr. Coca Gutiérrez, Lourdes María

- ◆ Medical Ophthalmology at Miranza Virgen de Luján Clinic
- ◆ Medical Specialist in Ophthalmology
- ◆ Specialist in the Ophthalmology Service of the Virgen Macarena University Hospital (HUVVM) in the Retina and Ocular Oncology Units, and in the National Reference Unit (CSUR) for Adult and Childhood Intraocular Tumors
- ◆ Member of the European Network ERN-PaedCan for Retinoblastoma
- ◆ Clinical Tutor of Ophthalmology in Medical Degree

# 04

## Structure and Content

The content proposed by experts for this program focuses on the main pigmented and non-pigmented tumors of the retina and choroid, including their epidemiology, diagnosis, risk factors and prognostic biomarkers. In addition, the different diagnostic and therapeutic techniques available are discussed, including brachytherapy, endoresection and enucleation. For this, the pedagogical methodology of Relearning and the flexibility of a 100% online modality are implemented so that students can organize academic resources and can adapt their learning to their schedules and study rhythms, thus promoting the acquisition of knowledge in an effective and practical way.

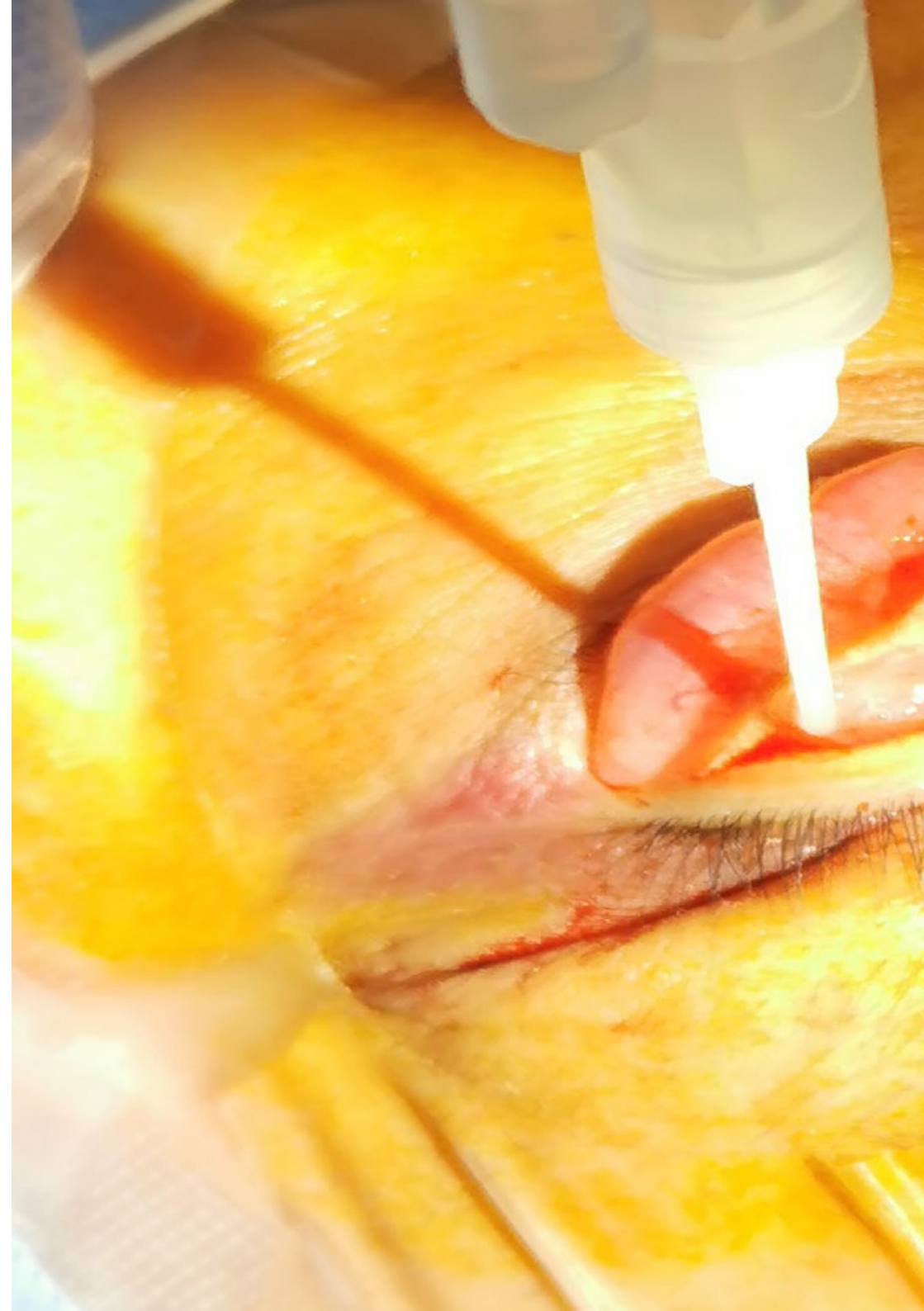


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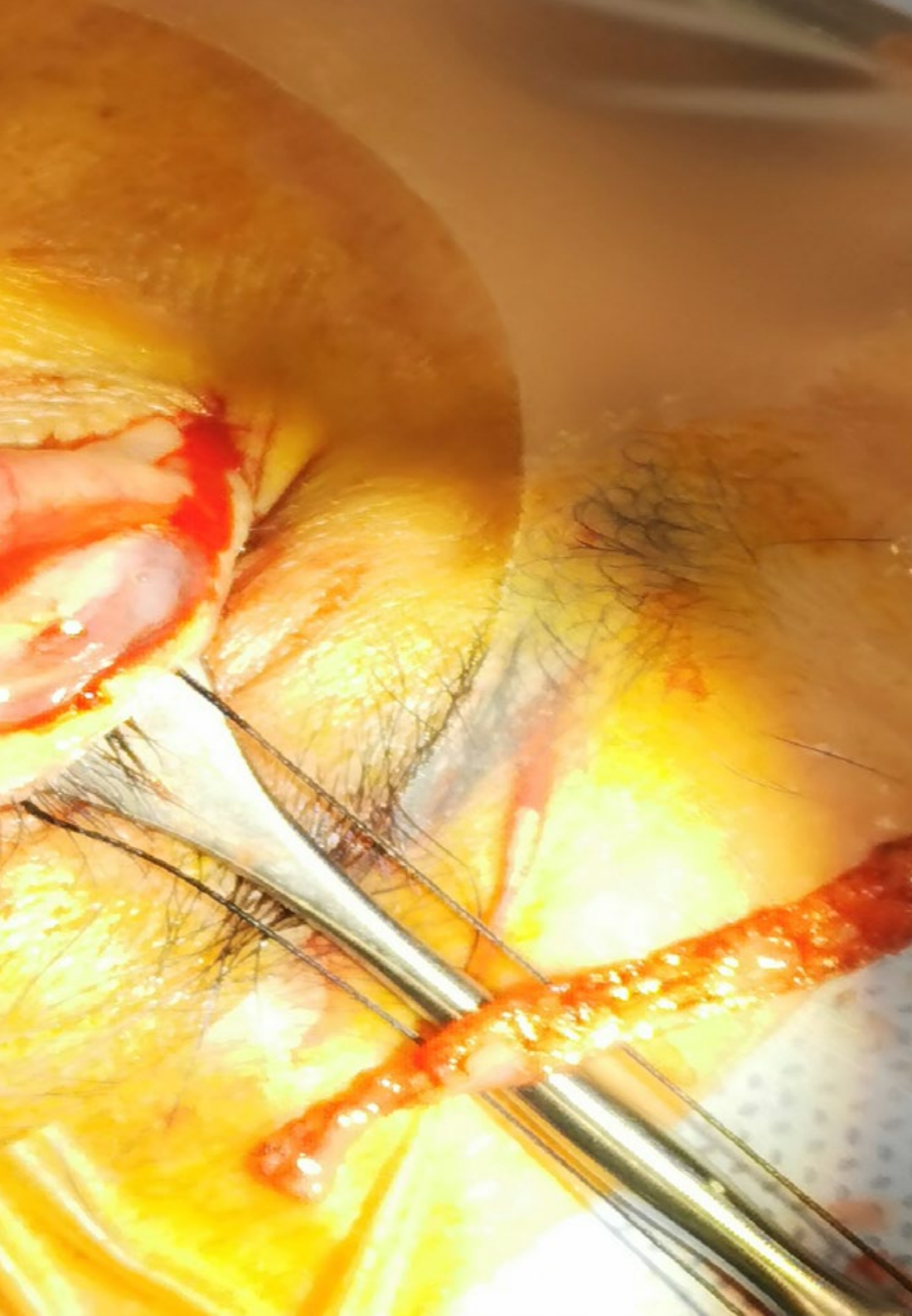
*Within this program you will acquire skills in the management of prognostic and therapeutic information for patients with intraocular tumors”*

## Module 1. Intraocular Tumors in Adults

- 1.1. Pigmented Non-tumorous Lesions of the Ocular Fundus
  - 1.1.1. Congenital Hypertrophy of the Retinal Pigment Epithelium
  - 1.1.2. Acquired Hypertrophy of the Retinal Pigment Epithelium
  - 1.1.3. Hyperplasia of the Retinal Pigment Epithelium
- 1.2. Pigmented Lesions of the Fundus
  - 1.2.1. Choroidal Nevus
  - 1.2.2. Melanocytoma
  - 1.2.3. Combined Hamartoma of the Retina and Retinal Pigment Epithelium.
  - 1.2.4. Simple Congenital Hamartoma of the Retinal Pigment Epithelium
- 1.3. Suspicious Choroidal Nevus vs. Small Choroidal Melanoma
  - 1.3.1. Definition
  - 1.3.2. Risk Factors for Transformation
  - 1.3.3. Treatment
- 1.4. Choroidal Melanoma
  - 1.4.1. Epidemiology
  - 1.4.2. Risk Factors
  - 1.4.3. Prognostic Biomarkers
  - 1.4.4. Diagnostic Techniques
- 1.5. Choroidal Melanoma: Treatment
  - 1.5.1. Brachytherapy and Radiation Retinopathy
  - 1.5.2. Endoresection
  - 1.5.3. Enucleation
- 1.6. Melanoma of the Iris and Ciliary Body
  - 1.6.1. Diagnostic Techniques: BMU
  - 1.6.2. Differential Diagnosis
  - 1.6.3. Treatment







- 1.7. Intraocular Lymphoma
  - 1.7.1. Primary Vitreoretinal Lymphoma
  - 1.7.2. Primary Uveal Lymphoma and Primary Choroidal Lymphoma
  - 1.7.3. Secondary Choroidal Lymphoma
- 1.8. Choroidal Vascular Tumors
  - 1.8.1. Diffuse Choroidal Hemangioma and Sturge-Weber Syndrome.
  - 1.8.2. Circumscribed Choroidal Hemangioma
  - 1.8.3. Treatment of Circumscribed Choroidal Hemangioma.
- 1.9. Retinal Vascular Tumors
  - 1.9.1. Hemangioblastoma or Retinal Capillary Hemangioma.
  - 1.9.2. Retinal Cavernous Hemangioma
  - 1.9.3. Racemose Hemangioma or Arterio-venous Malformations
  - 1.9.4. Vasoproliferative Tumor
- 1.10. Non-pigmented Choroidal tumors
  - 1.10.1. Choroidal Osteoma
  - 1.10.2. Choroidal Metastasis

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*In this Postgraduate Certificate you will be provided with multimedia resources and the latest technology to make learning an interactive and interesting 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 Intraocular Tumors in Adults guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in Intraocular Tumors in Adults** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Intraocular Tumors in Adults**

Official N° of Hours: **150 h.**



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



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