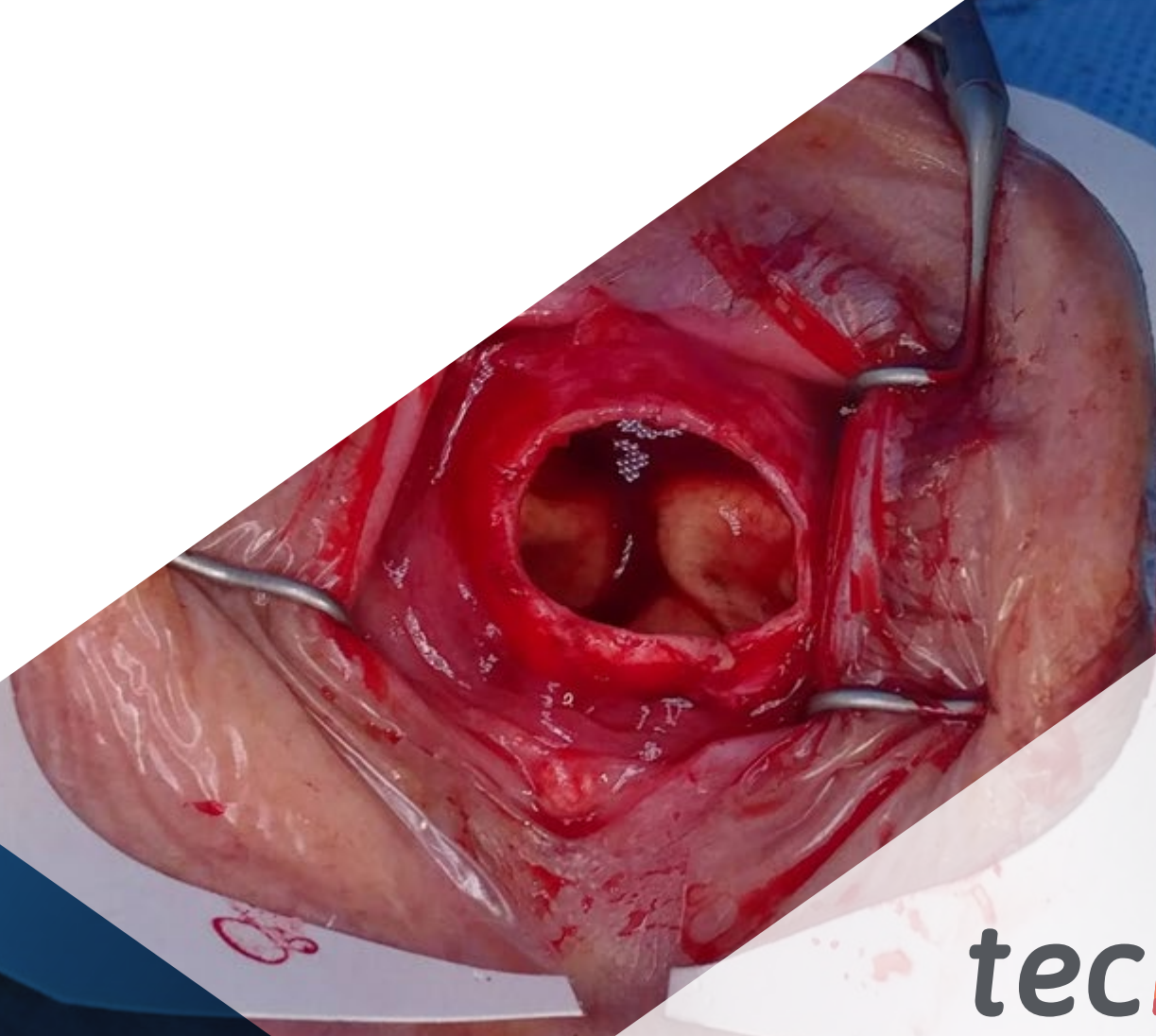


Postgraduate Certificate

Anophthalmic Cavity





Postgraduate Certificate Anophthalmic Cavity

- » 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/anophthalmic-cavity

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01

Introduction

The advances that have been made in the field of Oculoplastic Surgery have considerably improved the visual health of millions of patients around the world, adapting the interventions in a personalized way, not only to the periocular and orbital anatomy of each person, but also to the uniqueness of their clinical case. For this reason TECH has developed this 100% online degree, which will allow the ophthalmologist to access the most advanced methodologies of this subarea and to evidence for themselves the results of these investigations, all this supported by the newest distance learning methods.





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Study in an interactive and practical way and learn about the new scientific evidence in the surgical approach to pathologies of the anophthalmic cavity”

This Postgraduate Certificate is framed in the important results obtained recently with periocular surgery. Advances in treatments such as enucleation or synthetic ocular implants have produced a transformation in the discipline, providing the physician with new techniques and treatments to recover the function of the eye and its adjoining structures. As this is a field in continuous evolution and expansion, the specialist in this branch of ophthalmology must be continually updating his knowledge and implementing the latest techniques in his practice.

In order to facilitate this task, TECH and its team of experts in Oculoplastic Surgery, have developed this complete 180-hour program that will give the student access to a large amount of virtual content on the new scientific evidence of periocular surgery, from reconstructive surgery to the externalization of orbital content, among others. This is a comprehensive degree adapted to the latest evidence in this field of medicine, with which the graduate will be able to get up to date in less than two months, acquiring a deep and quality knowledge about this subspecialty.

The program aims for the student to acquire practical skills to treat the different types of patients that may present this particular condition, including its first signs in the pediatric age.

In this sense, the physician is expected to deepen in the handling of surgical and organic materials (autologous dermograf material) for the corresponding protocols. This will be done with the help of an innovative interactive video system developed by renowned experts. This Postgraduate Certificate in Anophthalmic Cavity contains the most complete and updated scientific program in the market.

This **Postgraduate Certificate in Anophthalmic Cavity** 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 Ophthalmology experts
- ◆ The 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 more about the treatments of the anophthalmic cavity and incorporate the latest techniques in your daily practice"

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You have the possibility to access completely updated information on all surgical procedures related to the anophthalmic cavity”

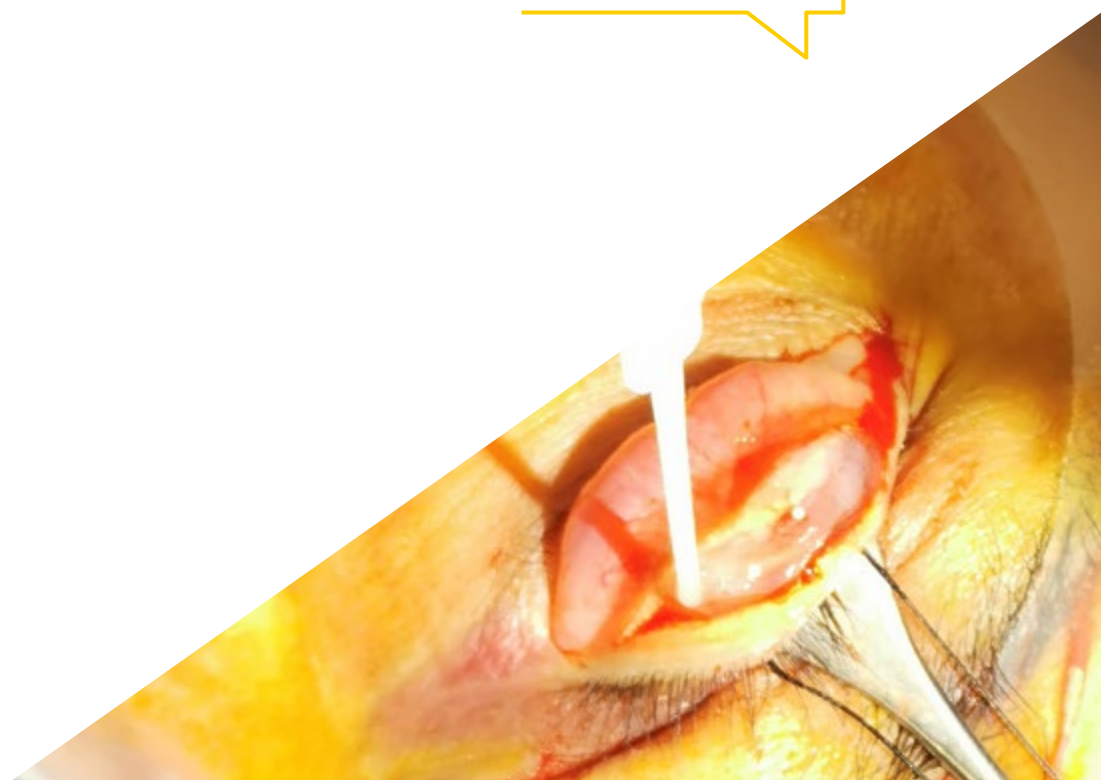
The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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.

Acquire new tools for your ophthalmologic procedures with the possibilities that TECH offers you.

Update yourself with the best professionals in the eye health area thanks to this Postgraduate Certificate.



02 Objectives

The objective of this Postgraduate Certificate created by TECH Global University is to provide the specialist with access to the latest and most exhaustive contents related to Oculoplastic Surgery, especially regarding the anophthalmic cavity. In this way, and through the use of the most sophisticated and modern academic tools of the university sector, you will be able to update and expand your knowledge in a guaranteed way, improving your treatment strategies and acquiring expertise in the subspecialty.





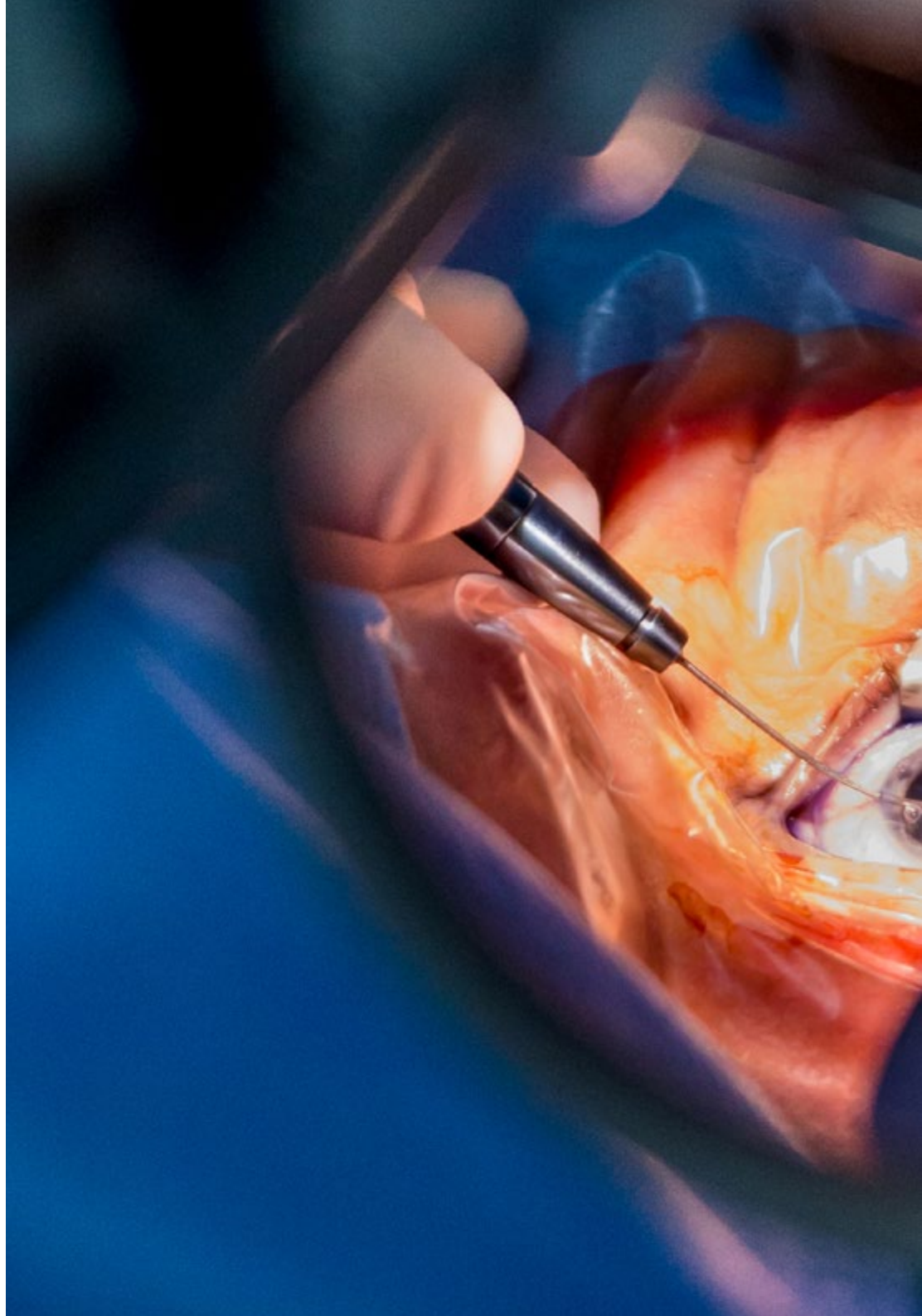
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Oculoplastic surgery has advanced enormously in recent years, and this TECH program will allow you to learn about the latest developments in this type of intervention applied to the anophthalmic cavity"



General Objectives

- ◆ Delve into the anatomy and physiology of the eyelids, orbit and lacrimal ducts
- ◆ Know in detail the physiology of the eyelids, orbit and lacrimal ducts and their functions
- ◆ Know in depth the latest exploratory techniques for consultation, for its application in the clinic
- ◆ Know the management of the pre-surgical patient, with emphasis on the management of the coagulated or antiaggregate patient
- ◆ In-depth knowledge of eyelid and eyelashes malpositioning diseases, their diagnosis and clinical management
- ◆ Study in depth the diagnosis, management and treatment of the different types of eyelid ptosis
- ◆ Manage the diagnosis of benign and malignant lesions of the eyelids, as well as palpebral and periocular reconstruction techniques
- ◆ Know in depth the physiology and function of the lacrimal pathway, as well as the diagnosis and treatment of diseases affecting the lacrimal system
- ◆ Study orbital pathology from the anatomical basis to the understanding of vascular and tumor pathologies, with emphasis on their diagnosis and differential diagnosis
- ◆ Have a deep knowledge of the inflammatory pathology of the orbit and its treatment, delving into the treatment, more specifically in the new immunological treatments and the multidisciplinary approach of these pathologies





Specific Objectives

- ◆ Assess the monophthalmic patient
- ◆ Have a deep knowledge of the orbital anatomy in order to perform surgical techniques such as evisceration, enucleation or exenteration
- ◆ Know the different types of synthetic orbital implants available
- ◆ Learn how to use autologous material/dermal fat grafting
- ◆ Understand the diagnosis and treatment of anophthalmic syndrome: enophthalmos and sinking of the upper eyelid
- ◆ Learn how to assess and surgically treat the retracted anophthalmic orbit
- ◆ Learn how to evaluate the anophthalmic cavity in the pediatric age

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The main objective of this program is to provide you with a complete update in the surgical management of the Anophthalmic Cavity, putting at your disposal the most advanced techniques in this specific area of Oculoplastics”

03

Course Management

TECH is aware that having a teaching team versed in the field in which the program is developed is a distinctive asset, not only of quality, but also of commitment to the graduates, so that they can get the most out of the academic experience. For this reason, it has selected for this Postgraduate Certificate a team of specialists in Oculoplastic Surgery with a wide and extensive work experience in the clinical management of patients with different ocular pathologies and comorbidities. It is, therefore, a unique opportunity for physicians to update their knowledge with the help of experts who are currently working with the most modern and advanced ophthalmological methods and strategies.





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Having the support of professionals versed in Oculoplastic Surgery will help you to learn in a personalized way the most novel aspects of this subspecialty through their own experience"

Management



Dr. Ibáñez Flores, Nuria

- ♦ Head of the Oculoplastics Department at the ICR of Barcelona (Institut Català de Retina)
- ♦ Adjunct professor of the medical degree at the UIC (International University of Catalonia)
- ♦ Director and coordinator of the surgical master's degree of the UIC (International University of Catalonia) in Oculoplastics, Orbit and Lacrimal Ducts
- ♦ Reviewer of the Archives of the Spanish Society of Ophthalmology
- ♦ Member of the Spanish Society of Ocular and Orbital Plastic Surgery (SECPOO)
- ♦ Responsible and coordinator of the interhospital sessions of Oculoplastics taught at ICR
- ♦ Doctor in Medicine and Surgery from the Autonomous University of Barcelona
- ♦ Degree in Medicine and Surgery from the University of Barcelona, Bellvitge Teaching Unit



Dr. Pascual González, Macarena

- ♦ Medical Specialist in Ophthalmology at General University Hospital Gregorio Marañón. Section of Oculoplasty, Tear Ducts and Orbit
- ♦ Collaborating lecturer in the subject of Ophthalmology at the Complutense University of Madrid
- ♦ Member of the Spanish Society of Ocular and Orbital Plastic Surgery (SECPOO)
- ♦ Fellow of European Board of Ophthalmology (FEBO)
- ♦ Degree in Medicine from the University of Malaga
- ♦ Specialist in Ophthalmology at the General University Hospital Gregorio Marañón Master in Aesthetic, Regenerative and Anti-Aging Medicine at the Complutense University of Madrid



Professors

Dr. Laiseca, Andrea

- ◆ Associate Ophthalmologist of Clínica Drs. Laiseca. Ocular prosthesis
- ◆ FEA of the Ophthalmology Service of the University Hospital of Getafe, section of Oculoplasty, lacrimal ducts and orbit
- ◆ Fellow European Board of Ophthalmology (FEBO)
- ◆ Collaborating Professor Cardenal Herrera University: "Master of Ophthalmology Oculoplastic and tear ducts update"
- ◆ Member of the Spanish Society of Ocular and Orbital Plastic Surgery (SECPOO)
- ◆ Degree in Medicine and Surgery from the University of Zaragoza
- ◆ Specialist in Ophthalmology by the Barraquer Ophthalmology Center

04

Structure and Content

TECH and the teaching team have developed this Postgraduate Certificate taking into account the most innovative and specific information related to the latest advances in Oculoplastic Surgery, as well as the newest and most effective teaching methodology, Relearning. Thanks to this and to the amount of additional high quality material that the graduates will find in the Virtual Classroom, they will be able to obtain from this program an immersive, dynamic and attractive updating experience, in which they will not have to invest long and tedious hours of study in order to obtain the best results.





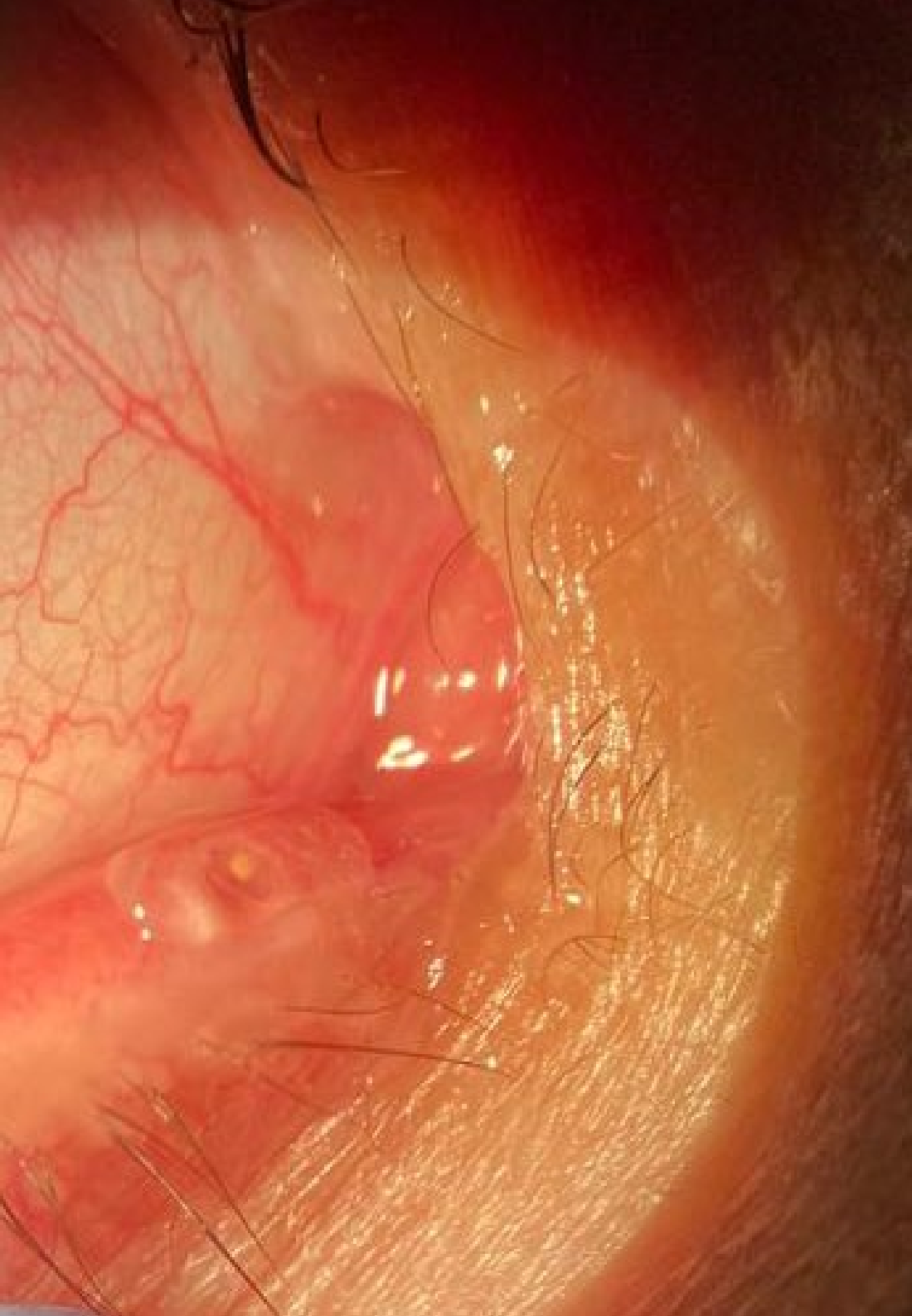
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*Expert curriculum and quality content
are the key to your learning success”*

Module 1. Anophthalmic Cavity

- 1.1. Monophthalmic Patient
 - 1.1.1. Causes of Loss of the Eyeball. Painful Blind Eye. Ptisis
 - 1.1.2. Visual Phenomenons Secondary to the Loss of the Eyeball
 - 1.1.2.1 Monocular and Binocular Vision
 - 1.1.2.2 Loss of VC and Stereopsis. The Phantom Eye
 - 1.1.3. Quality of Life, Psychological and Psychopathological Aspects in the Monophthalmic Patient
- 1.2. Evisceration of the Eyeball
 - 1.2.1. Indications
 - 1.2.2. Surgical Technique and Postoperative Management
 - 1.2.3. Complications
- 1.3. Enucleation of the Eyeball
 - 1.3.1. Indications
 - 1.3.2. Surgical Technique and Postoperative Management
 - 1.3.3. Complications
- 1.4. Orbital Exenteration
 - 1.4.1. Indications
 - 1.4.2. Surgical Technique and Postoperative Management
 - 1.4.3. Complications
- 1.5. Synthetic Orbital Implants
 - 1.5.1. Ideal Implant
 - 1.5.2. Types of Material
 - 1.5.3. Implant Size
 - 1.5.4. Exposure and Extrusion
 - 1.5.4.1 Introduction
 - 1.5.4.2 Causes
 - 1.5.4.3 Clinical and Management
- 1.6. Use of Autologous Material: Dermal Fat Graft
 - 1.6.1. Indications
 - 1.6.2. Surgical Technique and Postoperative Management
 - 1.6.3. Complications
 - 1.6.4. IDG vs. Synthetic Orbital Implant





- 1.7. Anophthalmic Syndrome
 - 1.7.1. Treatment of Enophthalmos and Sinking of the PPS
 - 1.7.1.1 Combined Technique
 - 1.7.1.2 Lipostructure
 - 1.7.1.3 Others: Rib Cartilage Grafting
 - 1.7.2. Management of Ptosis in Ocular Prosthesis Carriers
- 1.8. Reconstruction of the Retracted Anophthalmic Orbit
 - 1.8.1. Assessment
 - 1.8.2. Surgical Treatment of the Retraction
- 1.9. Ocular prosthesis
 - 1.9.1. Ocular Surface
 - 1.9.2. Fitting and Fabrication
 - 1.9.3. Removal and Fitting Maneuvers
 - 1.9.4. Assessment of the Prosthesis and Inspection of the Cavity Medical Pathology and Treatment
 - 1.9.5. Indications to the Patient
 - 1.9.6. Research and Future
- 1.10. Anophthalmic Cavity in Pediatric Age



A program designed to learn all the news about the Anophthalmic Cavity"

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. Gervas, 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 Anophthalmic Cavity 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 Anophthalmic Cavity** 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 Anophthalmic Cavity**

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.



Postgraduate Certificate Anophthalmic Cavity

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

Postgraduate Certificate Anophthalmic Cavity

