

Postgraduate Certificate

Hereditary Retinal Dystrophies and Pediatric Retinal Pathology





Postgraduate Certificate

Hereditary Retinal Dystrophies and Pediatric Retinal Pathology

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Global University
- » Accreditation: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/hereditary-retinal-dystrophies-pediatric-retinal-pathology

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01

Introduction

Retinal pathology at the pediatric age is so varied and, at the same time, so different from that of adults, that its study and analysis enriches ophthalmology and retinology professionals, making them stand out in their field. This program is highly recommended for all those who wish to achieve excellence in the treatment of retinal diseases, as it has a fully up-to-date syllabus developed by leading experts in the field.



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Ophthalmologists will find in this Postgraduate Certificate the perfect opportunity to increase their specialization and improve the care of their patients with retinal pathologies"

Ophthalmology specialists have little training in pediatric retina, therefore, offering a high-level academic program such as the one we present on this occasion will allow them to specialize in a field of high demand, but which, in turn, has a great need for training. This program will deal in detail with the different retinal pathologies that can affect the pediatric age.

The program begins with the analysis and study of hereditary retinal degenerations. Since the FDA approval of the drug Luxturna for the treatment of RPE65-spectrum DHRs, which was the first step on a giant ladder in the treatment of diseases of genetic origin, these pathologies have undergone a revolution, becoming spearheads of new knowledge and treatment.

The submacular injection of the drug is able to repair by injecting a virus that carries the deficient genetic code that the patient suffers from. Its high success rate and the technological load of this treatment have brought out of the attic a group of diseases that are destined to become fashionable due to their therapeutic change.

The program has a teaching staff specialized in ocular pathology and surgery, who contribute both their practical experience in their day to day private practice and their long teaching experience at national and international level. Additionally, it has the advantage of being a 100% online specialization, so the student can decide when and where to study.

The planning of the program includes the participation of a renowned International Guest Director. With solid experience in research, this professional will share with the students the most recent developments in the area of pathologies and surgical procedures of the macula, retina and vitreous, with a Masterclass.

This **Postgraduate Certificate in Hereditary Retinal Dystrophies and Pediatric Retinal Pathology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of clinical cases presented by experts in ocular pathology and surgery.
- ♦ 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.
- ♦ The presentation of practical workshops on procedures and techniques.
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Action protocols and clinical practice guidelines, which cover the most important latest developments in this specialist field.
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Special emphasis on test-based medicine and research methodologies.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Improve your professional or academic profile by attending this Masterclass led by a prestigious International Guest Director specialized in Ophthalmology”

“

This Postgraduate Certificate is the best investment you can make in a program to update your knowledge in Hereditary Retinal Dystrophies and Paediatric Retinal Pathology”

This 100% online Postgraduate Certificate will allow you to study from anywhere in the world. All you need is a computer or mobile device with an Internet connection.

Our innovative teaching methodology will allow you to study as if you were dealing with real cases, and therefore increasing your education.

The teaching staff includes a team of prestigious physicians, who bring their experience to this educational program, as well as renowned specialists from leading scientific societies.

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

The design of this program focuses on Problem-Based Learning, by means of which professionals must try to solve the different professional practice situations that are presented to them throughout the course. For this purpose, they will be assisted by an innovative interactive video system developed by renowned experts in hereditary retinal dystrophies and pediatric retinal pathology, with extensive teaching experience.



02 Objectives

The Postgraduate Certificate in Hereditary Retinal Dystrophies and Pediatric Retinal Pathology is designed to facilitate the performance of the healthcare professional with the latest advances and most innovative procedures in the sector.





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This program will both bring a sense of security in your daily healthcare activities and will help you grow professionally”



General Objectives

- Study hereditary retinal dystrophies in-depth
- Broaden knowledge of the pathology of the retina, macula and vitreous at the pediatric age

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Our goal is to achieve academic excellence and to help you achieve it too"





Specific Objectives

- Obtain a high level of training in detail of all aspects of hereditary retinal dystrophies
- Learn about retinopathy of prematurity and its possible treatments
- Gain knowledge of albinism, X-linked congenital retinoschisis, Best's disease, Stargardt's disease, familial exudative vitreoretinopathy, persistent fetal vasculature syndrome, Coats' disease, Norrie's disease, *incontinentia pigmenti*, pediatric retinal detachment, detachment associated with retinal coloboma, Stickler's syndrome and Marfan's disease and how it affects the retina

03

Course Management

The creation of the syllabus has been carried out by a team of leading professionals in ophthalmology, who perform their professional activity in the main hospitals in the world, transferring to the program the experience gained in their jobs throughout their careers.





“

The best professionals in this area have joined forces to offer you the most specialized and up-to-date knowledge in the field"

International Guest Director

Dr. Gennady Landa is a leading vitreoretinal specialist, recognized for his skill in the surgical and medical treatment of a wide range of **diseases** affecting the **back of the eye**. In fact, his expertise encompasses conditions such as **Macular Degeneration, Diabetic Retinopathy, Retinal Detachment** and various **Hereditary and Inflammatory Retinal Diseases**. With a particular focus on **macular, retinal and vitreous surgery**, he has contributed to the advancement of treatments such as **laser surgery, intraocular injections** and **vitrectomy** techniques.

Throughout his career, he has played key roles in some of the most prestigious **ophthalmological institutions** in the **United States**. In this way, he has been **Vice Chair** of the **Ophthalmology Clinic** at **Mount Sinai Hospital**, as well as **Director** of the **Retina Department** at the **New York Eye and Ear Hospital (NYEEL)**, one of the oldest and most renowned **ophthalmology hospitals** in the country. At the same center, he has also held the positions of **Associate Director** of the **Vitreoretinal Fellowship** and **Medical Director** of the **Tribeca Office**.

He has also been dedicated to exploring new ways of treatment and prevention of **Age-Related Macular Degeneration** and other **Ocular Diseases**. He has published more than **35 scientific articles** in peer-reviewed journals and chapters in **specialized books**, contributing to the development of new **retinal imaging** techniques.

Internationally, he has been recognized for his contributions to **Ophthalmology**, receiving a prestigious **Honor Award** from the **American Society of Retina Specialists**. This recognition has underscored his leadership in the field of **retina**, both in **clinical practice** and **research**. Likewise, his participation in **international congresses** and **scientific conferences** has consolidated his reputation as a globally renowned expert.



Dr. Landa, Gennady

- Vice Chair of the Ophthalmology Clinic at Mount Sinai Hospital, New York, United States
- Director of the Retina Service at the New York Eye and Ear Hospital (NYEEH)
- Associate Director of the Vitreoretinal Fellowship at the New York Eye and Ear Hospital (NYEEH)
- Medical Director of the Tribeca Office at New York Eye and Ear Hospital (NYEEH)
- Retina Specialist at the New York Eye and Ear Hospital (NYEEH)
- Doctor of Medicine from the Israel Technion Institute of Technology
- Honorary Award from the American Society of Retinal Specialists

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Thanks to TECH, you will be able to learn with the best professionals in the world"

Management



Dr. Armadá Maresca, Félix

- ♦ Head of the Ophthalmology Department at La Paz University Hospital of Madrid
- ♦ Director of the Department of Ophthalmology at the Saint Francis of Assisi University Hospital of Madrid
- ♦ Ophthalmologist of the Presidency of the Government, Vice-Presidency and High Foreign Officials
- ♦ External Collaborator at Several Companies in the Medical Sector
- ♦ Director of the Research Group: Ophthalmology, Integrated in the Area of Large Systems Pathology
- ♦ Professor in the Bachelor's Degree of Medicine at the Alfonso X El Sabio University
- ♦ Professor in the Master's Degree: Expert in Health Management in Ophthalmology, of the Department of Health of the Community of Madrid
- ♦ Doctor of Medicine from the Autonomous University of Madrid
- ♦ Doctor Cum Laude in Medicine from the University of Alcalá de Henares
- ♦ Degree in Medicine from the University of Alcalá de Henares
- ♦ Specialist in Ophthalmology via MIR
- ♦ Certified Ophthalmic Photographer, University of Wisconsin, USA.
- ♦ Program at The Chalfont Project, Chalfont St Giles, UK
- ♦ Program in Strategic Management of Clinical Services Esade - Ramon Llull University
- ♦ Program VISIONA, Clinical Management in Ophthalmology IESE - Business School
- ♦ Best Surgeon Award in recognition of his career
- ♦ Member of: The Spanish Society of Ophthalmology, Spanish Society of Retina and Vitreous, Madrid Society of Ophthalmology, American Society of Cataract and Refractive Surgery (ASCRS), American Academy of Ophthalmology, and the European Retina Society (EURETINA)



Professors

Dr. Catalá Mora, Jaume

- ◆ Coordinator of the Retinal Dystrophy Unit at the University Hospital of Bellvitge, Barcelona
- ◆ Creator of the Retinoblastoma Unit at the Hospital Sant Joan de Déu, Barcelona
- ◆ Medical Specialist in Ophthalmology at the Hospital Sant Joan de Déu, Barcelona
- ◆ Bachelor's Degree in Medicine and Surgery from the University of Navarra, Spain
- ◆ Research Sufficiency Workshop at the Autonomous University of Barcelona
- ◆ Bachelor's Degree in Health and Life Sciences from the Autonomous University of Barcelona

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Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice”

04

Structure and Content

The structure of the curriculum has been designed by a team of professionals who are familiar with the implications of medical training in the approach to the patient, aware of the relevance of the current specialization and committed to quality teaching through new educational technologies.





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We offer you the most complete and updated scientific program on the market”

Module 1. Hereditary Retinal Dystrophies and Pediatric Retinal Pathology

- 1.1. Hereditary Retinal Dystrophies
 - 1.1.1. Clinical Diagnosis. In-Office Tests and Campimetry
 - 1.1.2. Imaging Tests, OCT and Angio OCT, Autofluorescence (AF), Fluorescein Angiography and Indocyanine Green
 - 1.1.3. Electrophysiological Study
 - 1.1.3.1. Generalized Photoreceptor Dystrophies
 - 1.1.3.2. Macular Dystrophies
 - 1.1.3.3. Generalized Choroidal Dystrophies
 - 1.1.3.4. Hereditary Vitreoretinopathies
 - 1.1.3.5. Albinism
 - 1.1.4. HRD in the Pediatric Age Group, Main Signs and Symptoms
 - 1.1.5. Genetic Basis of HRD
 - 1.1.6. Clinical Classification of HRD
 - 1.1.6.1. Introduction
 - 1.1.6.2. HRD and Non-Syndromic Vitreoretinal
 - 1.1.6.2.1. Rod Diseases
 - 1.1.6.2.1.1. Stationary: Stationary Night Blindness. Normal and Abnormal Fundus (*Fundus Albipunctatus* and Oguchi Disease)
 - 1.1.6.2.1.2. Progressives: Retinitis Pigmentosa (RP) or Cone-Rod Dystrophies (CRD)
 - 1.1.6.2.2. Cone Diseases
 - 1.1.6.2.2.1. Stationary or Cone Dysfunctions: Congenital Achromatopsia
 - 1.1.6.2.2.2. Cone and Cone-Rod Dystrophies (CRD)
 - 1.1.6.2.3. Macular Dystrophies
 - 1.1.6.2.3.1. Stargardt/*Fundus Flavimaculatus*
 - 1.1.6.2.3.2. Best's Disease
 - 1.1.6.2.3.3. Central Areolar Choroidal Dystrophy (CACD)
 - 1.1.6.2.3.4. X-Linked Juvenile Retinoschisis
 - 1.1.6.2.3.5. Other Macular Dystrophies
 - 1.1.6.2.4. Widespread Photoreceptor Diseases
 - 1.1.6.2.4.1. Choroideremia
 - 1.1.6.2.4.2. Atrophy Gyrate
 - 1.1.6.2.5. Exudative and Non-Exudative Vitreoretinopathies





- 1.1.6.3. Syndromic HRD
 - 1.1.6.3.1. Usher Syndrome
 - 1.1.6.3.2. Bardet Biedl Syndrome
 - 1.1.6.3.3. Senior Loken Syndrome
 - 1.1.6.3.4. Refsum's Disease
 - 1.1.6.3.5. Joubert's Disease
 - 1.1.6.3.6. Alagille's Disease
 - 1.1.6.3.7. Alström's Syndrome
 - 1.1.6.3.8. Neuronal Ceroid Lipofuscinosis
 - 1.1.6.3.9. Primary Ciliary Dyskinesia (PCD)
 - 1.1.6.3.10. Stickler's Disease
- 1.1.7. HRD Treatment
 - 1.1.7.1. Gene Therapy. A New Future for Treating Diseases with Genetic Alterations. Luxturna
 - 1.1.7.2. Neurotrophic Growth Factor Therapies
 - 1.1.7.3. Cell Therapy
 - 1.1.7.4. Artificial Vision
 - 1.1.7.5. Other Treatments
- 1.2. Retinopathy of Prematurity
 - 1.2.1. Introduction and Historical Recollection
 - 1.2.2. ROP Classification
 - 1.2.3. Disease Context and Risk Factors
 - 1.2.4. Diagnosis, Screening and Follow-up Guidelines in ROP
 - 1.2.5. ROP Treatment Criteria
 - 1.2.6. Using *Anti-Vascular Endothelium Grown Factor*
 - 1.2.7. Use of Laser Treatment Today
 - 1.2.8. Treatment by Scleral Surgery and/or Vitrectomy in Advanced Stages
 - 1.2.9. Sequelae and Complications Arising from ROP
 - 1.2.10. Criteria for Discharge and Subsequent Follow-up
 - 1.2.11. Accountability, Documentation and Communication
 - 1.2.12. Future of Screening and New Treatment Options
 - 1.2.13. Medical-Legal Considerations BORRAR

- 1.3. Albinism
 - 1.3.1. Introduction and Definitions
 - 1.3.2. Examination and Clinical Findings
 - 1.3.3. Natural History
 - 1.3.4. Treatment and Management of Albino Patients
- 1.4. X-Linked Congenital Retinoschisis
 - 1.4.1. Definition, Genetical Study and Family Tree
 - 1.4.2. Examination and Clinical Findings
 - 1.4.3. Electrophysiological Tests
 - 1.4.4. Classification
 - 1.4.5. Natural History and Genetic Counselling
 - 1.4.6. Treatment Guidelines According to Staging
- 1.5. Best's Disease
 - 1.5.1. Definition, Genetic Study
 - 1.5.2. Diagnosis, Clinical Findings, Imaging Tests
 - 1.5.3. Functional Testing, Microperimetry and Electrophysiological Testing
 - 1.5.4. Natural History, Clinical Course
 - 1.5.5. Current and Future Treatments for Best's Disease
- 1.6. Stargardt's Disease, *Fundus Flavimaculatus*
 - 1.6.1. Definition and Genetic Study
 - 1.6.2. Clinical Findings in Consultation, Imaging Tests
 - 1.6.3. Electrophysiological Tests
 - 1.6.4. Evolutionary History and Genetic Counselling
 - 1.6.5. Current Treatments
- 1.7. Familial Exudative Vitreoretinopathy. (FEVR)
 - 1.7.1. Definition, Genetic Study
 - 1.7.2. FEVR Clinical Findings
 - 1.7.3. Imaging Tests, OCT, AngioOCT. AFG
 - 1.7.4. Natural History and Progression of the Disease, Staging
 - 1.7.5. FEVR Laser Treatment
 - 1.7.6. Treatment with FEVR Vitrectomy
 - 1.7.7. Treating Complications
- 1.8. Persistent Fetal Vasculature Syndrome. (PFVS)
 - 1.8.1. Definition and Evolution of Disease Nomenclature
 - 1.8.2. Ultrasound Examination, Imaging Tests
 - 1.8.3. Clinical Findings in Consultation
 - 1.8.4. Treatment Guidelines and Staging
 - 1.8.5. Surgical Treatment of PFVS. Vitrectomy
 - 1.8.6. Natural and Evolutionary History of the Disease
 - 1.8.7. Visual Rehabilitation
- 1.9. Coat's Disease
 - 1.9.1. Definition of Coat's Disease. Evolving Forms
 - 1.9.2. Clinical Findings in Consultation
 - 1.9.3. Imaging Studies, Retinography, AFG, OCT AngioOCT
 - 1.9.4. Ocular Ultrasound in Coat's Disease
 - 1.9.5. Treatment Spectrum According to the Developmental Form. Natural History
 - 1.9.6. Laser Treatment and Cryotherapy
 - 1.9.7. Treatment by Vitrectomy in Advanced Forms
 - 1.9.8. Visual Rehabilitation

- 1.10. Norrie's Disease
 - 1.10.1. Definition, Genetic Study
 - 1.10.2. Clinical Findings in Consultation
 - 1.10.3. Treatment Guidelines and Genetic Counselling Treatment Guidelines and Current Pharmaceuticals
 - 1.10.4. Natural and Evolutionary History of Norrie's Disease
- 1.11. Incontinentia Pigmenti
 - 1.11.1. Definition and Genetic Study
 - 1.11.2. Clinical Findings and Functional Tests
 - 1.11.3. Natural and Evolutionary History of the Disease
 - 1.11.4. Current Therapeutic Possibilities, Visual Aids
- 1.12. Choroidal Neovascularisation in the Pediatric Age Group
 - 1.12.1. Clinical Findings in Consultation
 - 1.12.2. Basic Functional and Imaging Tests
 - 1.12.3. Differential Diagnosis
 - 1.12.4. Treatment Guidelines and Their Possibilities According to Age
- 1.13. Retinal Detachment in the Pediatric Age and Detachment Associated with Ocular Coloboma
 - 1.13.1. General Considerations
 - 1.13.2. Anatomy and Surgical Adaptation to Retinal Detachment Morphology
 - 1.13.3. Peculiarities of Surgery in the Pediatric Age Group, Specialized Surgical Instruments and Equipment for Young Children
 - 1.13.4. Scleral Surgery in the Pediatric Age Group
 - 1.13.5. Vitrectomy in the Pediatric Age Group
 - 1.13.6. Post-Surgical Medical and Postural Treatment in Infancy
 - 1.13.7. Visual Rehabilitation

- 1.14. Stickler's Syndromes
 - 1.14.1. Definition and Classification of Stickler Syndromes
 - 1.14.2. Clinical Findings and Imaging Tests
 - 1.14.3. Systemic and Ocular Treatment for the Disease
 - 1.14.4. Current Treatment for Stickler Syndrome
 - 1.14.5. Natural and Evolutionary History of the Disease
- 1.15. Marfan Syndrome
 - 1.15.1. Definition and Genetic Study of the Disease
 - 1.15.2. Systemic Spectrum of the Disease
 - 1.15.3. Ocular Involvement in Marfan Disease
 - 1.15.4. Ocular Clinical Findings
 - 1.15.5. Applicable Treatments to Marfan Syndrome
 - 1.15.6. Retinal Detachment in Marfan Syndrome
 - 1.15.7. Natural and Evolutionary History of the Disease



A unique, crucial and decisive learning experience to boost your professional development"

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

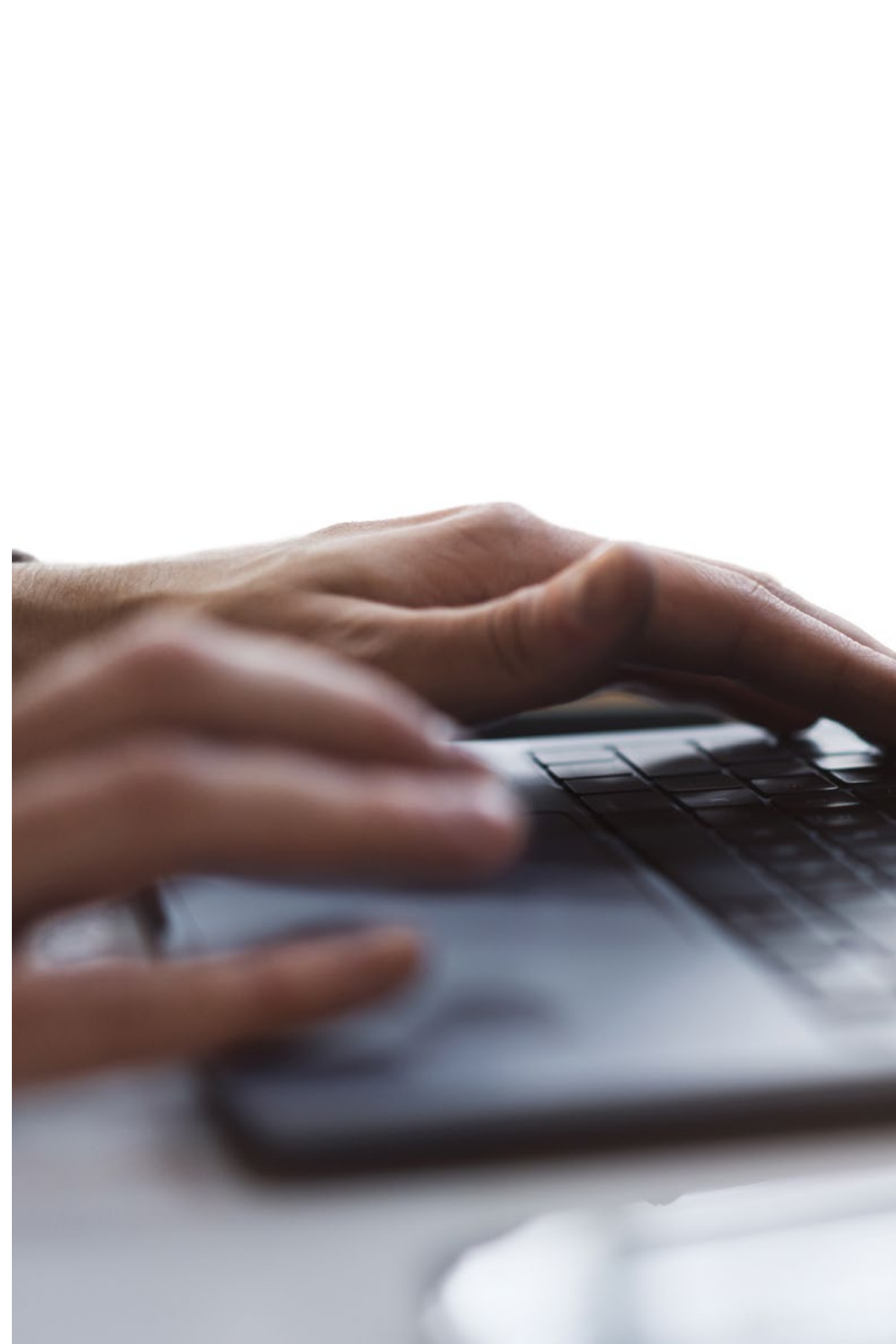
In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

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 assess 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

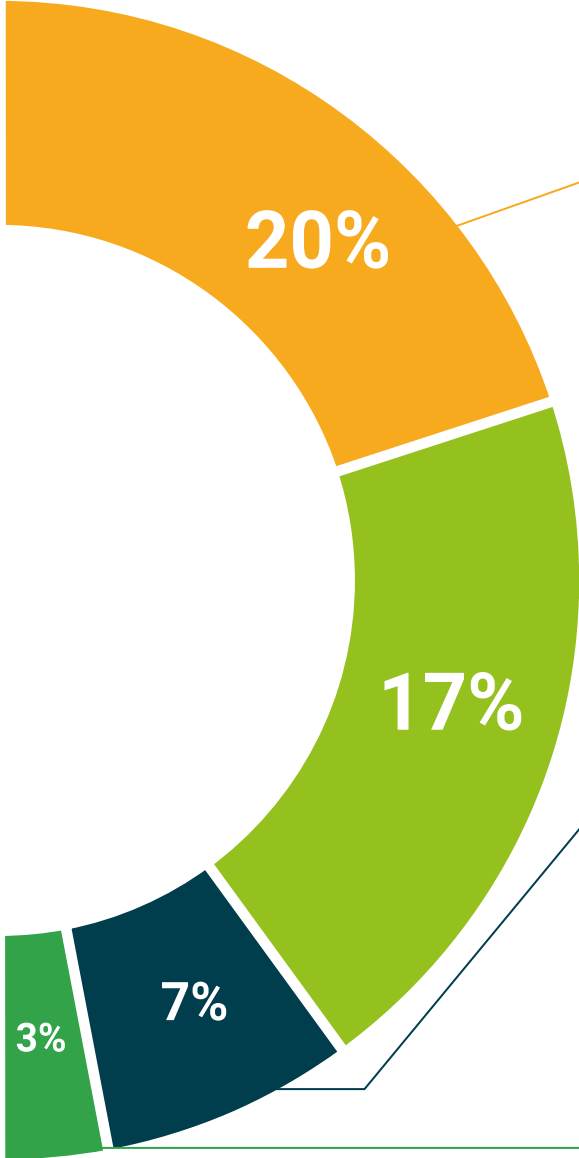
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.
Learning from an expert strengthens knowledge and memory, and generates confidence for 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 Hereditary Retinal Dystrophies and Pediatric Retinal Pathology guarantees, in addition to the most accurate and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Hereditary Retinal Dystrophies and Pediatric Retinal Pathology** endorsed by **TECH Global University**, the world's largest online university.

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

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

Title: **Postgraduate Certificate in Hereditary Retinal Dystrophies and Pediatric Retinal Pathology**

Modality: **online**

Duration: **12 weeks**

Accreditation: **5 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.



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Dystrophies and Pediatric
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Postgraduate Certificate

Hereditary Retinal Dystrophies and Pediatric Retinal Pathology