

Postgraduate Certificate Equine Glaucoma





Postgraduate Certificate Equine Glaucoma

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

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/equine-glaucoma

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01

Introduction to the Program

Glaucoma in equids is a rare but potentially debilitating eye condition that can severely affect the vision and quality of life of animals. According to the American Association of Equine Practitioners (AAEP), horses can develop this disease as a primary or secondary to other ocular pathologies, such as Uveitis or Trauma. Taking into account that early diagnosis and proper treatment are crucial to preserve vision and prevent serious complications, TECH has developed this program that will cover the most specific and updated aspects of this field. Based on a 100% online methodology, specialists will master, from the fundamental aspects of Glaucoma, to the most advanced techniques, with the support of the latest research in the field.



“

Take advantage of this opportunity to take your career to the next level with high quality, specialized knowledge. Join TECH today and get ready to transform equine eye care!”

Although its prevalence is not as high, the impact of glaucoma in equids can be devastating, leading to blindness and severe complications that hinder its management and performance. In this context, the advances in research on this disease, both in diagnosis and effective therapies, make the continuous preparation and training of veterinarians more relevant than ever. Therefore, acquiring solid knowledge in this field will allow them to offer a more complete and effective approach in the management of Glaucoma.

This TECH Postgraduate Certificate in Equine Glaucoma offers a unique opportunity for those professionals who wish to specialize in equine eye care. With a practical and up-to-date approach, this postgraduate course will provide the knowledge necessary to diagnose this rare, but potentially debilitating condition in affected animals. Throughout the training, specialists will learn how to identify the clinical signs of Glaucoma, perform the appropriate tests for diagnosis and apply the most effective treatments to manage this eye disease. This knowledge will not only enrich the professional profile, but will also improve the ability to offer effective solutions in daily veterinary practice, ensuring the welfare of horses.

Upon completion of the program, graduates will be better prepared to face the challenges presented by this field, which will allow them to deal more confidently with cases that may arise in their work environment. Therefore, the skills acquired will open doors to new job opportunities in advanced veterinary care centers, clinics specializing in Equine Ophthalmology or even in the field of research on eye diseases in horses.

The 100% online modality will provide maximum flexibility and efficiency to students, allowing them to combine training with work and personal responsibilities. In turn, this is complemented by the Relearning methodology, an innovative strategy that focuses on the intelligent and progressive repetition of the contents, encouraging the natural and effective assimilation of the academic materials.

This **Postgraduate Certificate in Equine Glaucoma** 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 with a deep mastery of Equine Glaucoma
- The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- Practical exercises where the self-assessment process can be carried out 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



Take the next step in your professional training with the support of an innovative methodology: Relearning and a unique modality that adapts to your pace of life"

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Do you want to master the diagnosis and effective treatment of Glaucoma in horses? This TECH postgraduate course is ideal for you. Enroll now and take your veterinary career to the next level!”

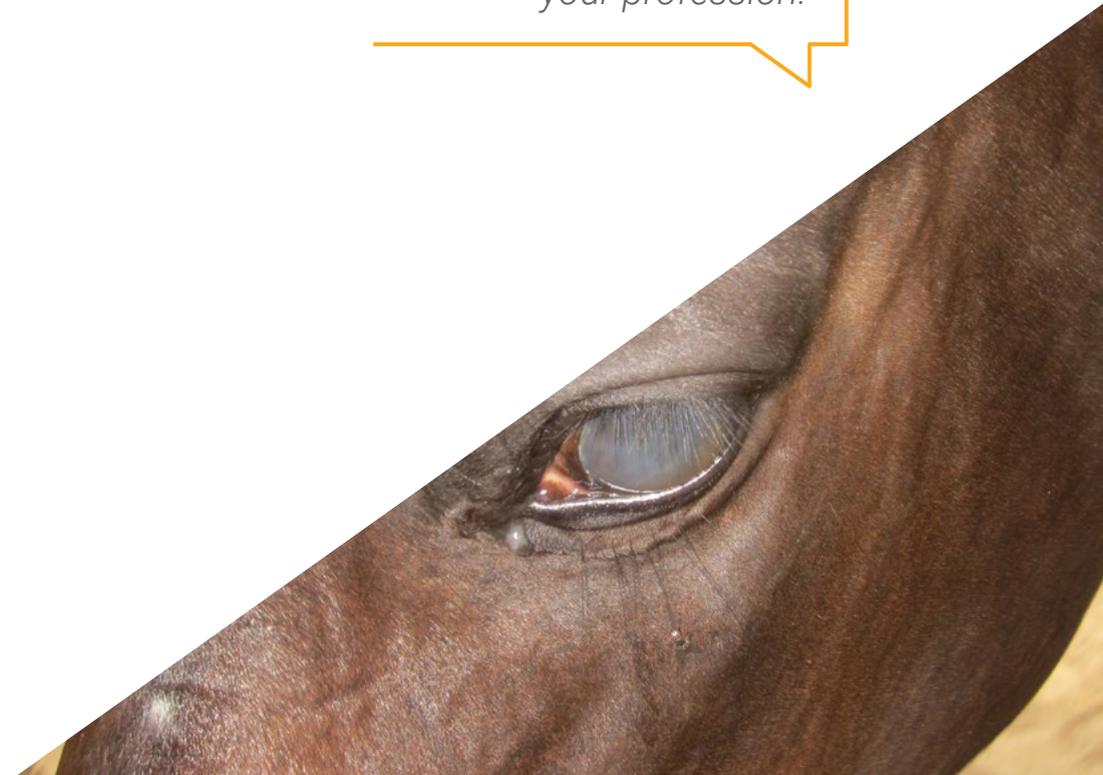
The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing program, as well as renowned specialists from leading societies and prestigious universities.

The 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 immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

You will learn with the support of experts and the most innovative methodology on the market: Relearning. You will advance in your career without geographical or time limitations!

100% online, flexible and practical: this program will turn you into a specialist in Equine Glaucoma. Take the next step in your profession!



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.



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Study at the largest online university in the world and ensure your professional success. The future begins at TECH”

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

Forbes
The best online university in the world

The most complete
syllabus

The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

TOP
international faculty

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.

World's No.1
The World's largest online university

The most effective methodology

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

The curriculum of this program will comprehensively address all aspects necessary to understand and manage equine glaucoma. Throughout the postgraduate course, specialists will delve into key topics such as equine ocular anatomy and physiology, risk factors associated with glaucoma, advanced diagnostic techniques, and available medical and surgical treatments. In addition, they will address specific pharmacology, continuous monitoring protocols and the importance of prevention in the management of this condition in different types of equids.



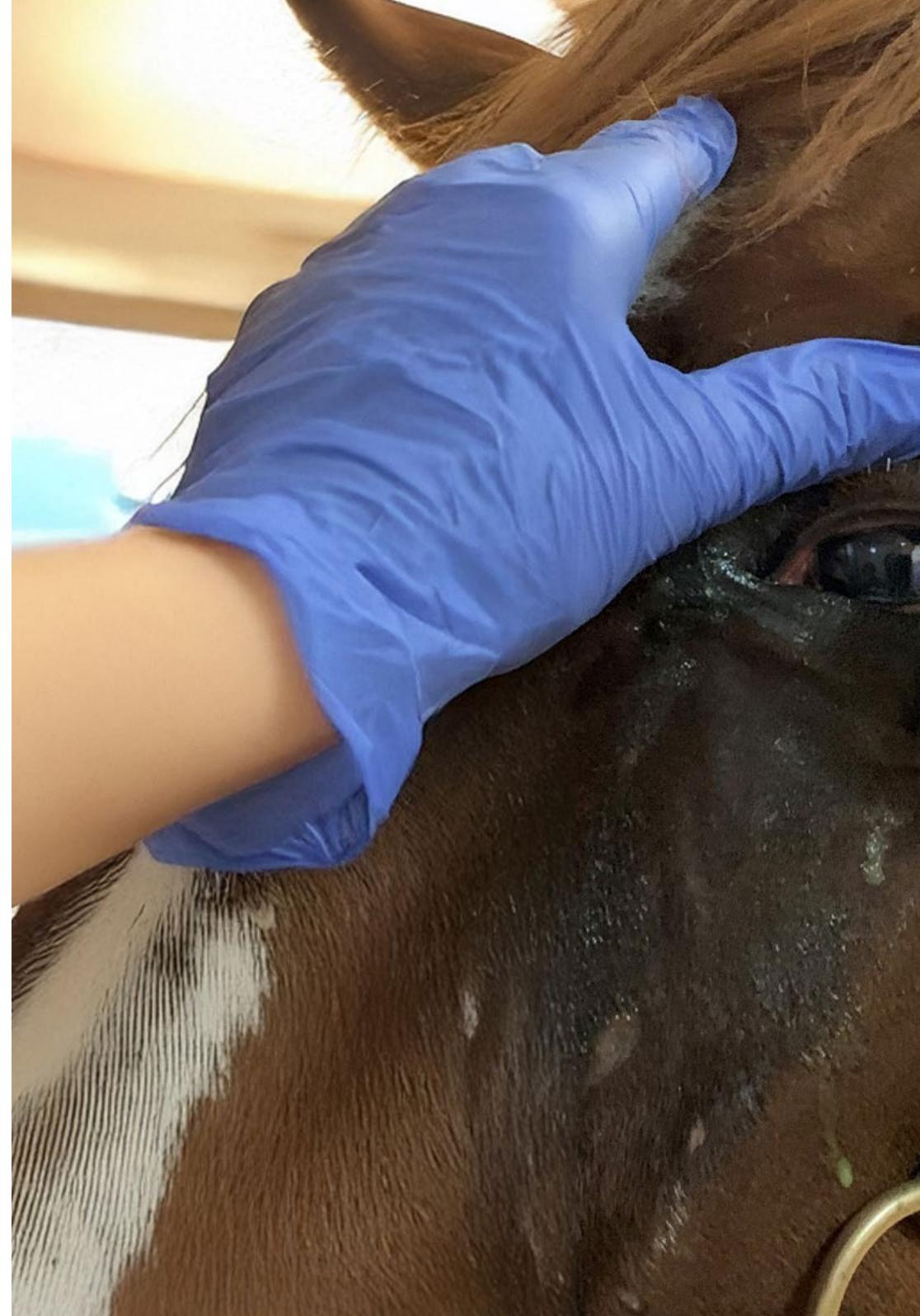


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Thanks to TECH, you will specialize through a comprehensive and innovative approach, mastering the essential knowledge about Glaucoma in horses: from its physiology, to treatment strategies”

Module 1. Glaucoma in Equids

- 1.1. Glaucoma in Equids
 - 1.1.1. Glaucoma as a Neurodegenerative Disease
 - 1.1.2. Pressure as a Main Risk Factor
 - 1.1.3. Socioeconomic Implication of Glaucoma in the Equine Species
- 1.2. Pathophysiology of Aqueous Humor in Equids
 - 1.2.1. Goldmann Equation
 - 1.2.2. Formation of Aqueous Humor
 - 1.2.3. Drainage of Aqueous Humor
- 1.3. Keys to Ophthalmologic Examination in Equids
 - 1.3.1. Tonometry
 - 1.3.2. Gonioscopy
 - 1.3.3. Ophthalmoscopy (Direct and Indirect)
 - 1.3.4. HRUS, UBM and OCT
- 1.4. Classification of Glaucoma in Equids
 - 1.4.1. Congenital Glaucoma
 - 1.4.2. Primary Glaucoma
 - 1.4.3. Secondary Glaucoma
- 1.5. Clinical Signs of Glaucoma in Equids
 - 1.5.1. Nonspecific
 - 1.5.2. Specific
 - 1.5.3. Sequelae
- 1.6. Therapeutic Objectives in the Treatment of Glaucoma in Equids
 - 1.6.1. Proposed Therapy
 - 1.6.2. Medical Treatment Objectives
 - 1.6.3. Surgical Treatment Objectives
- 1.7. Antiglaucomatous Drugs in Equids
 - 1.7.1. Parasympathomimetics: Cholinergic Agonists
 - 1.7.2. Adrenergic Agonists and Antagonists
 - 1.7.3. Carbonic Anhydrase Inhibitors





- 1.8. Glaucoma Surgery in Equids: Visual Eye
 - 1.8.1. Acuocentesis
 - 1.8.2. Cyclocryoablation
 - 1.8.3. Gonioplasts (Valved and Non-Valved)
 - 1.8.4. Diode Laser Photocoagulation (Transscleral and Endoscopic)
- 1.9. Glaucoma Surgery in Equids: Blind Eye
 - 1.9.1. Chemical Cycloablation
 - 1.9.2. Enucleation
 - 1.9.3. Evisceration
- 1.10. Prognosis of Glaucoma Surgery in Equids
 - 1.10.1. Explanation of the Prognosis at the First Visit
 - 1.10.2. Prognosis in the Short, Medium and Long Term
 - 1.10.3. Recommendations for Monitoring

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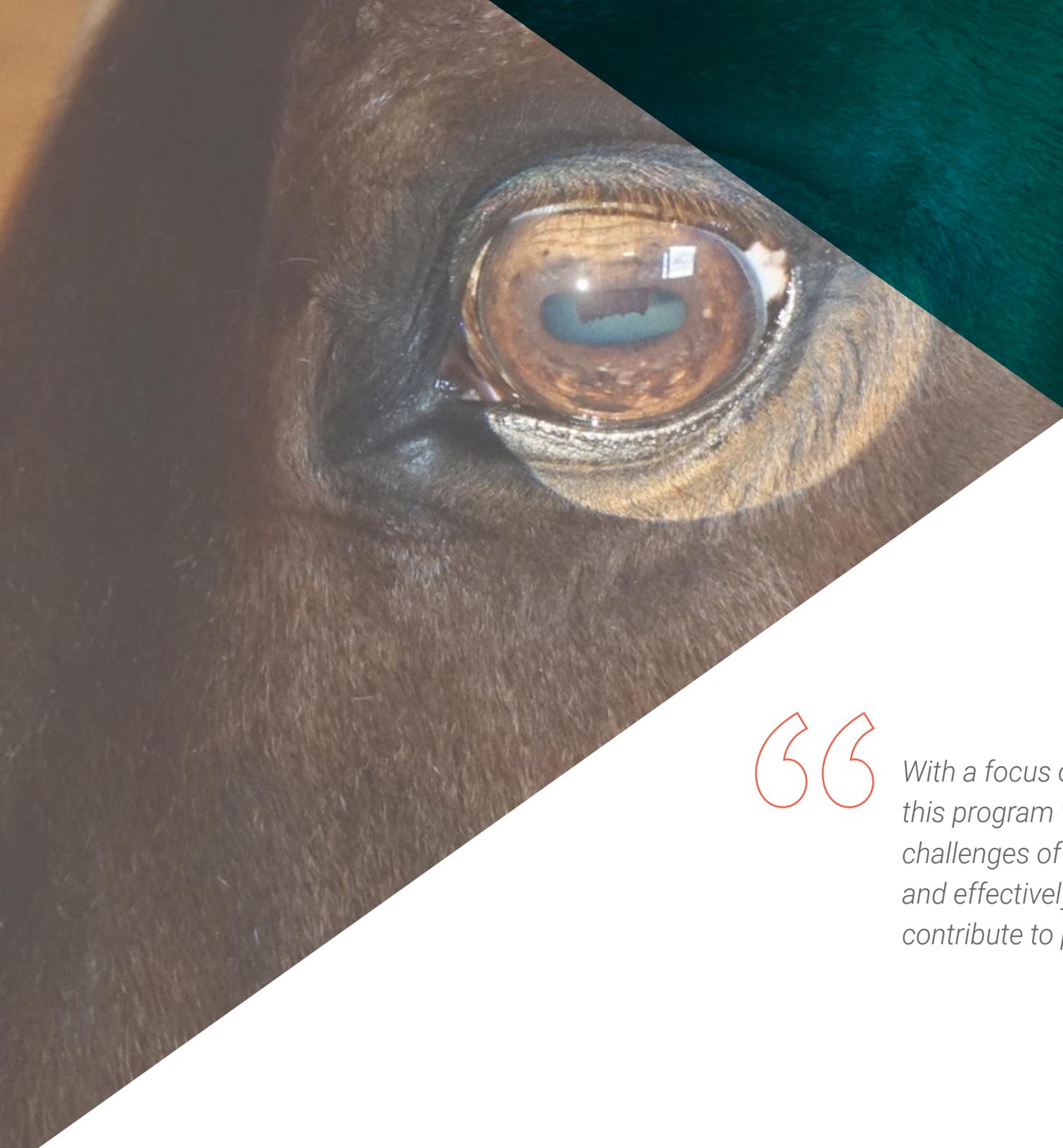
In a span of six weeks and with the best teaching materials on the academic market, you will acquire the tools you need to take your veterinary profession to the next level”

04

Teaching Objectives

The main goal of this Postgraduate Certificate is to train professionals in the knowledge and comprehensive management of glaucoma in equids. In this way, they will acquire the necessary skills to identify risk factors, understand the mechanisms that generate the increase of intraocular pressure and develop skills in the early and accurate diagnosis of this condition. Through a rigorous academic approach, this program will seek to familiarize veterinarians with the most effective therapeutic options, encompassing both pharmacological and surgical treatments.





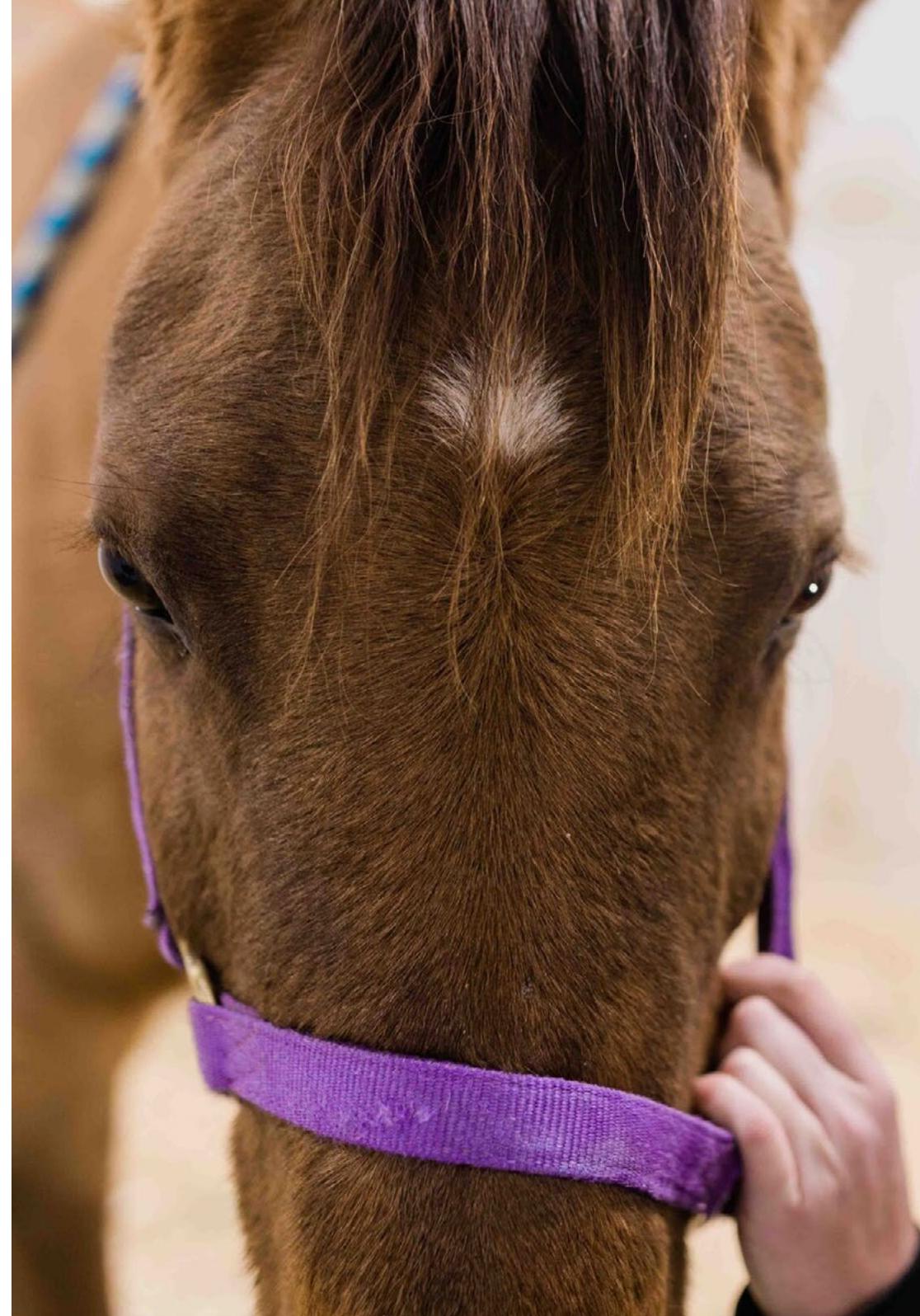
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With a focus on academic excellence, this program will prepare you to face the challenges of equine glaucoma safely and effectively, designing strategies that contribute to preserving visual health”



General Objectives

- ◆ Understand the anatomy and physiology of the equine ocular system to identify alterations related to glaucoma
- ◆ Analyze the pathophysiologic mechanisms that lead to increased intraocular pressure in equids
- ◆ Identify the clinical signs of glaucoma in horses for early and accurate diagnosis
- ◆ Evaluate advanced diagnostic tools and techniques used in Equine Ophthalmology
- ◆ Apply appropriate medical and surgical treatments for the management of glaucoma in horses
- ◆ Recognize the predisposing factors and systemic diseases associated with the development of equine glaucoma
- ◆ Design preventive strategies to minimize the incidence of glaucoma in different clinical settings
- ◆ Manage the most recent research and therapeutic advances in the management of equine glaucoma





Specific Objectives

- ◆ Acquire in-depth knowledge about the causes, types and risk factors of Glaucoma in horses, allowing a better understanding of its onset and development in equids
- ◆ Develop skills to diagnose Glaucoma early in horses, using specialized techniques such as tonometry and intraocular pressure assessment
- ◆ Learn how to implement effective and personalized treatments for the management of glaucoma in horses, including medical, surgical and innovative therapeutic options to improve visual prognosis
- ◆ Design preventive and long-term follow-up protocols, ensuring comprehensive care and proper management of horses affected by this ocular condition



If you want to know why TECH is the largest online university in the world, according to Forbes, enroll now and find out. You will update your knowledge through the most advanced academic tools”

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”

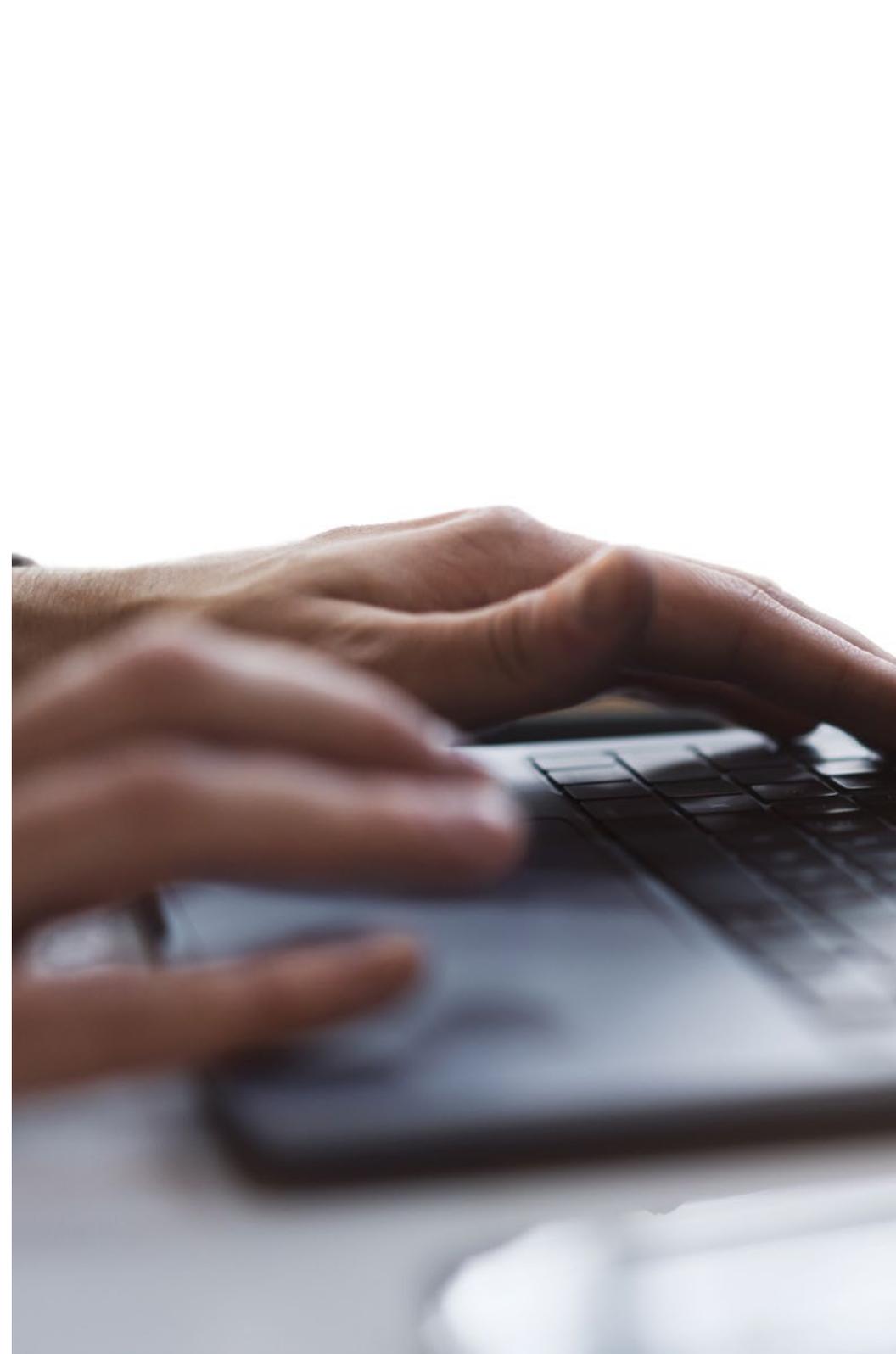
The student: the priority of all TECH programs

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.

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*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 teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, 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

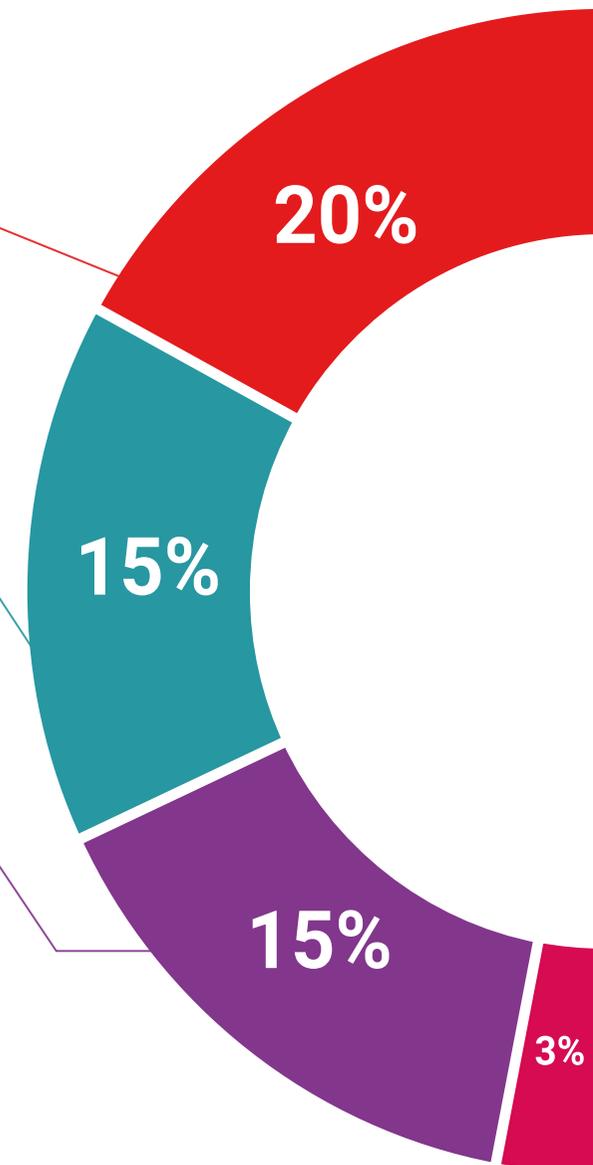
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

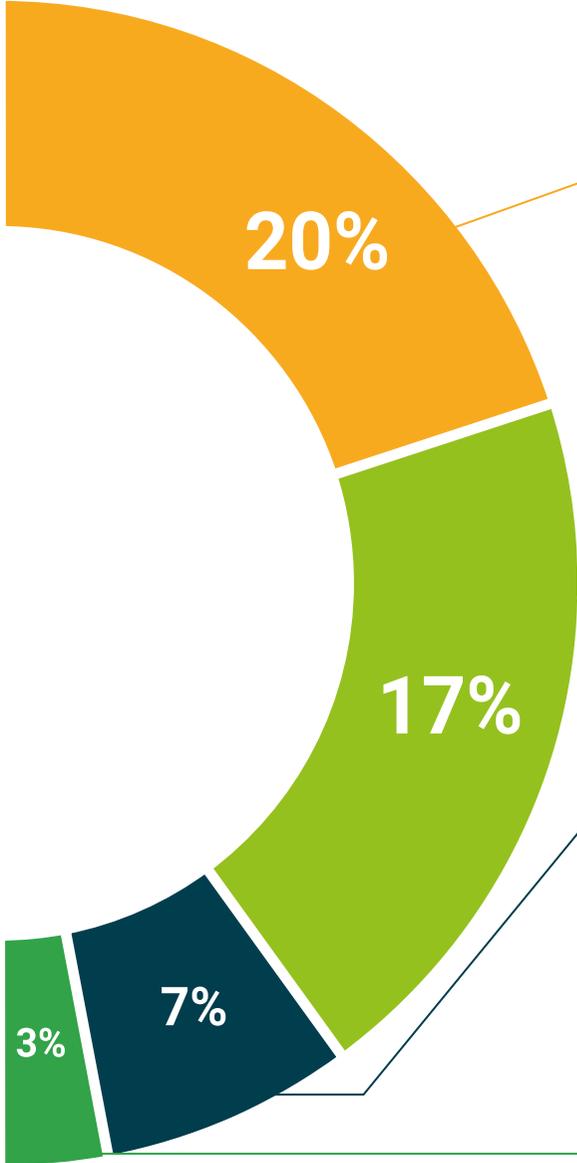
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

Teaching Staff

The teaching staff of this postgraduate course is composed of a select group of highly qualified professionals with vast experience in the field of Veterinary Ophthalmology. Each one stands out as a reference in their specialty, with a solid academic background and an outstanding practical trajectory in the diagnosis and treatment of ocular diseases in horses. Thanks to the combination of national and international experts, students will have access to quality, up-to-date knowledge, acquired directly from those at the forefront of equine glaucoma management.



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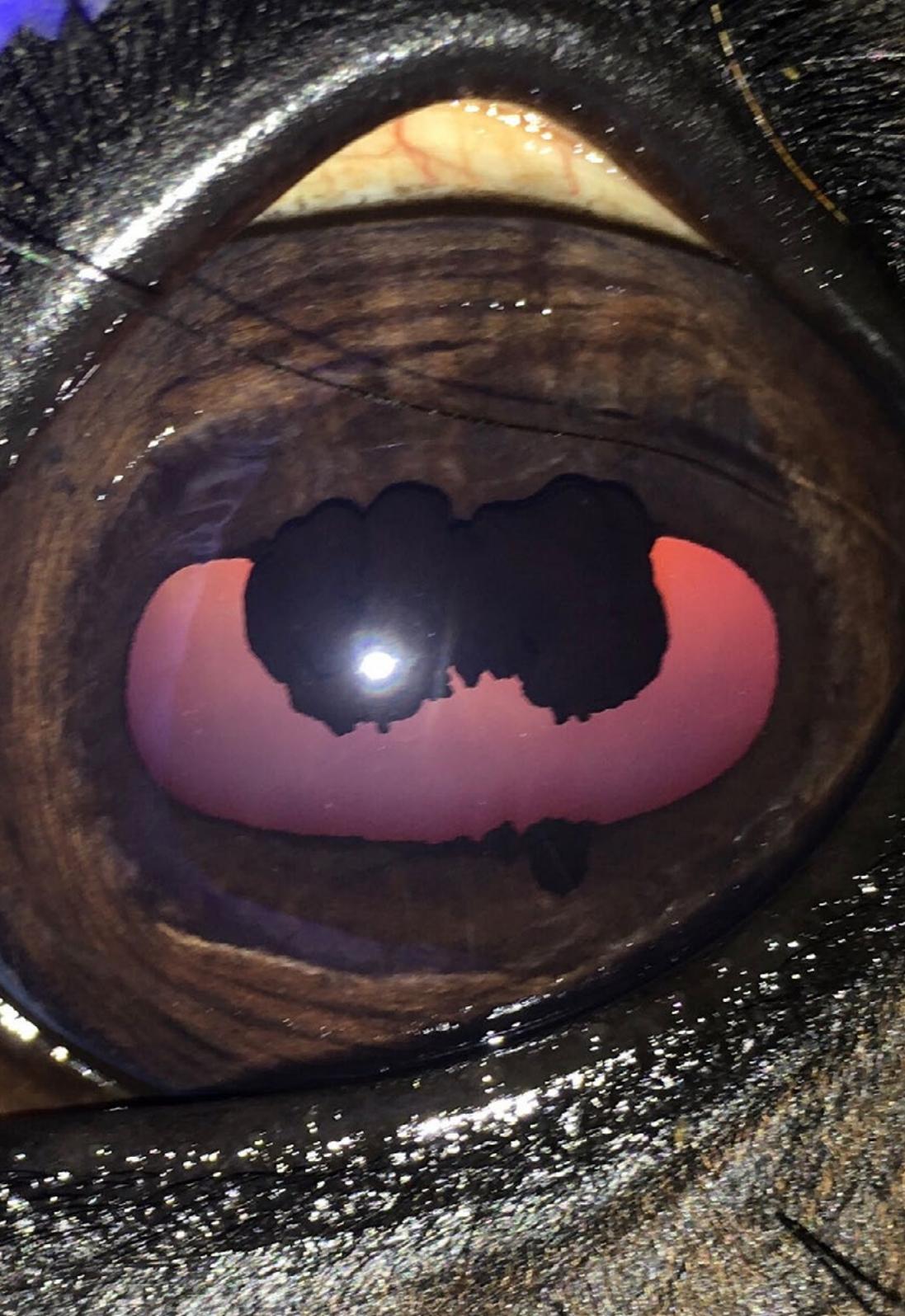
The faculty will not only provide theory, but also innovative approaches and best practices in the equine ophthalmology sector, preparing you to boost your career and stand out in a booming industry”

Management



Dr. Arteaga Sancho, Kevin

- Senior Ophthalmologist at CityU VMC
- Expert in Basic Sciences in Ophthalmology from the University of California
- Specialist in Veterinary Ophthalmology from the University of Barcelona
- Master's Degree in Small Animal Medicine from the University of Murcia
- Degree in Veterinary Medicine from the CEU University of Valencia



Professors

Dr. Ortillés Gonzalo, Ángel

- ◆ Head of Ophthalmology Service at AniCura Valencia Sur Veterinary Hospital
- ◆ Doctor of Veterinary Medicine: Doctoral Program in Animal Medicine and Health from the University of Zaragoza
- ◆ Master's Degree in Initiation to Research in Veterinary Sciences from the University of Zaragoza
- ◆ Master's Degree in Small Animal Clinic from the University of Zaragoza
- ◆ Expert in Basic Sciences in Veterinary and Comparative Ophthalmology from the American College of Veterinary Ophthalmologists (ACVO)
- ◆ Specialist in Veterinary Ophthalmology from the Complutense University of Madrid
- ◆ Degree in Veterinary Medicine, specializing in Intensification in Medicine and Surgery of Companion Animals from the University of Zaragoza

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All teachers in this program accumulate extensive experience, offering you an innovative perspective on the main advances in this field of study”

07 Certificate

The Postgraduate Certificate in Equine Glaucoma 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 Equine Glaucoma** 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 Equine Glaucoma**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
development languages
classroom



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