

Postgraduate Diploma

Ocular Manifestations of Equine Pathologies



Postgraduate Diploma Ocular Manifestations of Equine Pathologies

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-ocular-manifestations-equine-pathologies

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01

Introduction

Diseases in the ocular system of equines not only compromise their vision, but can also impact their quality of life, athletic performance and productivity. According to the American Association of Equine Practitioners (AAEP), these pathologies are one of the main causes of visits to veterinary clinics, with an especially high prevalence in competition horses and those exposed to adverse environmental conditions. Taking into account the relevance of this field, TECH has devised this program that will offer the most advanced knowledge on the related clinical manifestations. Throughout the program, which is 100% online, professionals will learn how to identify the early signs of these diseases, develop accurate diagnostic skills and acquire the best strategies for treatment and prevention.





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Take a step further in your career and specialize in a highly demanded field, becoming a reference in Veterinary Medicine. Join TECH and take your veterinary practice to the next level!”

The importance of understanding the Ocular Manifestations of Equine Pathologies lies in prevention, timely diagnosis and effective intervention. It not only improves the visual health of the animal, but also contributes to its general welfare, avoiding chronic pain and the side effects of untreated diseases. In addition, they are a fundamental aspect in veterinary medicine, a proper knowledge and management of these diseases is essential to ensure the ocular health and quality of life of horses. In this way, not only the animal's vision will be protected, but also its performance and general welfare will be optimized, ensuring a healthy and productive future.

Under this premise, TECH presents this Postgraduate Diploma in Ocular Manifestations of Equine Pathologies, which will provide a high-level specialization in the diagnosis, treatment and management of related diseases. This program offers a unique opportunity for those who wish to deepen their knowledge in an essential and highly specialized field, where the demand for experts is constantly growing. By enrolling, students will acquire in-depth knowledge that will prepare them to recognize the early manifestations of these pathologies, make accurate diagnoses and apply effective treatments.

With such a specialized preparation, graduates will not only increase their competitiveness in the labor market, but will also find new doors to job opportunities of greater responsibility and better remuneration. Having this knowledge will allow them to excel in veterinary clinics, specialized hospitals, research centers and in veterinary practice in general.

The 100% online modality offers total flexibility so that veterinarians can train at their own pace, without compromising the quality of the training. One of the great advantages of this program is its focus on Relearning methodology, an innovative pedagogical model that optimizes the learning process. It is not just about learning to memorize, but to ensure that the concepts are assimilated in a deep and lasting way.

This **Postgraduate Diploma in Ocular Manifestations of Equine Pathologies** 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 Ocular Manifestations of Equine Pathologies
- ♦ The graphic, schematic and eminently practical content of the book provides scientific and practical information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the process of 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



TECH, the world's largest online university according to Forbes, will allow you to train from anywhere in the world and become a reference in Equine Ophthalmology"

“

You will only need a device connected to the Internet to specialize in Equine Ophthalmology and improve the welfare of the horses in your care. You will study online and master a key area of veterinary medicine”

The program's teaching staff includes professionals from the field who contribute their work experience to this educational 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.

Jumpstart your career in the veterinary field with this Postgraduate Diploma. You'll become the professional who makes a difference!

Equine eye health needs experts like you. You will learn with the best resources and methodologies.



02 Syllabus

The comprehensive curriculum will comprehensively address the main diseases and conditions affecting equine vision and eye health, an essential area to ensure the welfare and performance of horses. Through an updated and dynamic curriculum, professionals will address key aspects such as the clinical manifestations of systemic pathologies in the eye, the impact of infectious or traumatic diseases and the most advanced techniques for the early detection of these conditions. All of this is complemented by a preventive approach, which allows graduates to implement effective strategies to minimize ocular risks in diverse environments.



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Thanks to this postgraduate course, you will boost your professional career and make a big difference in the care of horses. You will learn in a 100% online environment, with no pre-set schedules and no transfers”

Module 1. Ophthalmologic Examination in Equines

- 1.1. Ocular Embryology and Physiology in Equids
 - 1.1.1. Development of the Eyeball and Appendages
 - 1.1.1.1. Eyelids and Nasolacrimal System
 - 1.1.1.2. Conjunctiva and Nictitating Membrane
 - 1.1.1.3. Extraocular Muscles
 - 1.1.2. Anterior Segment Development
 - 1.1.2.1. Cornea
 - 1.1.2.2. Iridocorneal Angle
 - 1.1.2.3. Iris
 - 1.1.2.4. Lens
 - 1.1.3. Posterior Segment Development
 - 1.1.3.1. Sclera
 - 1.1.3.2. Choroid
 - 1.1.3.3. Vitreous Humor
 - 1.1.3.4. Retina
 - 1.1.3.5. Optic Nerve
 - 1.1.3.6. Tapetum Lucidum
- 1.2. Developmental Ocular Abnormalities in Equids
 - 1.2.1. Developmental Ocular Abnormalities
 - 1.2.2. Microphthalmos
 - 1.2.3. Congenital Glaucoma
 - 1.2.4. Orbital Dermoids
 - 1.2.5. Vascular Anomalies
 - 1.2.6. Megalocornea/Cornea Globosa
 - 1.2.7. Microcornea
 - 1.2.8. Corneal Dermoids
 - 1.2.8.1. Aniridia
 - 1.2.8.2. Anterior Segment Dysgenesis
 - 1.2.8.3. Anterior Uveal Cysts
 - 1.2.8.4. Iris Hypoplasia



- 1.3. The Equine Eye
 - 1.3.1. Orbit
 - 1.3.2. Extraocular Muscles and Orbital Fat
 - 1.3.3. Eyeball
- 1.4. Ocular Physiology
 - 1.4.1. Lacrimal Film
 - 1.4.2. Aqueous Humor Physiology
 - 1.4.3. Blood-Aqueous Barrier
 - 1.4.4. Intraocular Pressure
- 1.5. Physiology of Vision in Equids
 - 1.5.1. Light Sensitivity
 - 1.5.2. Motion Sensitivity
 - 1.5.3. Field of Vision
 - 1.5.4. Visual Acuity
 - 1.5.5. Color Vision in Horses
- 1.6. Ophthalmological Examination
 - 1.6.1. Remote Ophthalmological Examination
 - 1.6.2. Medical History
 - 1.6.3. Instruments for Ophthalmological Examination
- 1.7. Neuro-Ophthalmology
 - 1.7.1. Neuro-Ophthalmology
 - 1.7.2. Palpebral Reflex
 - 1.7.3. Threat Response
 - 1.7.4. Dazzle Reflex
 - 1.7.5. Pupillary Light Reflex
 - 1.7.6. Corneal Reflex
- 1.8. Close Ophthalmologic Examination
 - 1.8.1. Biomicroscopy
 - 1.8.2. Direct Ophthalmoscopy
 - 1.8.3. Indirect Ophthalmoscopy
 - 1.8.3.1. Monocular Indirect Ophthalmoscopy
- 1.8.4. Ophthalmical Examination Tests
 - 1.8.4.1. Schirmer Test
 - 1.8.4.2. Phenol Red Test
 - 1.8.4.3. Fluorescein Test
 - 1.8.4.4. Break Up Time (BUT)
 - 1.8.4.5. Jones Test
 - 1.8.4.6. Seidel Test
 - 1.8.4.7. Rose Bengal
 - 1.8.4.8. Lissamine Green
- 1.8.5. Tonometry
 - 1.8.5.1. Applanation Tonometry
 - 1.8.5.2. Rebound Tonometry
- 1.8.6. Iridocorneal Angle Examination
- 1.9. Cytology, Biopsy and Imaging in Equids
 - 1.9.1. Cytology Sampling
 - 1.9.1.1. Conjunctival Cytology
 - 1.9.1.2. Corneal Cytology
 - 1.9.1.3. Aqueous Humor Cytology
 - 1.9.2. Biopsy Sampling
 - 1.9.3. Ocular Ultrasound
 - 1.9.3.1. Anterior Segment Ultrasound
 - 1.9.3.2. Posterior Segment Ultrasound
 - 1.9.3.3. Orbit Ultrasound
 - 1.9.3.4. Ultrasound Biomicroscopy (UBM)
- 1.10. Electroretinography in Equids
 - 1.10.1. Electroretinography
 - 1.10.2. Placement of Electrodes in Horses
 - 1.10.3. Interpretation of Electroretinography (ERG)

Module 2. Ocular Pathologies in Foals

- 2.1. Ocular Examination in Foals
 - 2.1.1. Vision in Newborn Foals
 - 2.1.2. Neuro-Ophthalmology
 - 2.1.3. Ocular Appendages
 - 2.1.4. Anterior Segment
 - 2.1.5. Tonometry
 - 2.1.6. Funduscopy Examination
 - 2.1.7. Other Complementary Tests
- 2.2. Alterations of the Ocular Appendages in Foals
 - 2.2.1. Congenital Diseases of the Eyelids
 - 2.2.2. Acquired Diseases of the Eyelids
 - 2.2.3. Alterations of the Third Eyelid
 - 2.2.4. Alterations of the Nasolacrimal Duct
- 2.3. Alterations of the Conjunctiva in Foals
 - 2.3.1. Congenital Disorders
 - 2.3.2. Acquired Alterations: Conjunctival Hemorrhage
 - 2.3.3. Acquired Alterations: Conjunctivitis
- 2.4. Congenital Alterations of the Cornea in Foals
 - 2.4.1. Megalocornea
 - 2.4.2. Microcornea
 - 2.4.3. Corneal Dermoids
 - 2.4.4. Corneal Vascularization
- 2.5. Acquired Corneal Alterations in Foals
 - 2.5.1. Ulcerative Keratitis
 - 2.5.2. Corneal Dystrophies
 - 2.5.3. Non-Ulcerative Keratopathies
- 2.6. Congenital Alterations of the Uvea in Foals
 - 2.6.1. Iridial Hypoplasia
 - 2.6.2. Aniridia
 - 2.6.3. Iridial Coloboma
 - 2.6.4. Congenital Myosis
 - 2.6.5. Pigmentary Variations
 - 2.6.6. Anterior Segment Dysgenesis
 - 2.6.7. Persistent Pupillary Membrane
 - 2.6.8. Anterior Iridial Cysts
 - 2.6.9. Other Congenital Alterations
- 2.7. Acquired Alterations of the Uvea in Foals
 - 2.7.1. Anterior Uveitis
 - 2.7.2. Uveitis Secondary to Septicemia
 - 2.7.3. Uveitis due to *Rhodococcus equi*
 - 2.7.4. Uveitis due to Equine Mumps
 - 2.7.5. Uveitis Secondary to Viral Diseases
- 2.8. Alterations of the Crystalline Lens and Glaucoma in Foals
 - 2.8.1. Cataracts
 - 2.8.2. Congenital Lens Dislocation and Ectopic Lens
 - 2.8.3. Coloboma of the Crystalline Lens
 - 2.8.4. Lenticonus and Lentiglobus
 - 2.8.5. Microphakia
 - 2.8.6. Acquired Disorders
- 2.9. Alterations of the Retina and the Optic Nerve in Foals
 - 2.9.1. Retinal Hemorrhages
 - 2.9.2. Coloboma of the Posterior Segment
 - 2.9.3. Hypoplasia of the Optic Nerve
 - 2.9.4. Retinal Dysplasia
 - 2.9.5. Retinal Detachment
 - 2.9.6. Congenital Stationary Congenital Night Blindness
 - 2.9.7. Persistent Hyaline Artery
 - 2.9.8. Acquired Fundus Diseases
- 2.10. Congenital Alterations of the Eyeball and Orbit in Foals
 - 2.10.1. Congenital Glaucoma
 - 2.10.2. Microphthalmia and Anophthalmia
 - 2.10.3. Strabismus
 - 2.10.4. Other Congenital Diseases of the Eyeball
 - 2.10.5. Other Congenital Diseases of the Orbit

Module 3. Ocular Manifestations of Systemic Diseases in Equids

- 3.1. Neuro-Ophthalmologic Diseases in Equids
 - 3.1.1. Equine Motor Neuron Disease
 - 3.1.2. Septic Meningoencephalitis
 - 3.1.3. Thiamine Deficiency
 - 3.1.4. Vestibular Disease
 - 3.1.5. Horner's Syndrome
 - 3.1.6. Tetanus
 - 3.1.7. Butulism
 - 3.1.8. Ischemic Neuropathy
 - 3.1.9. Intracranial Neoplasms
 - 3.1.10. Equine Polyneuritis
- 3.2. Viral Diseases in in Equids
 - 3.2.1. Equine Viral Arteritis
 - 3.2.2. Equine Infectious Anemia
 - 3.2.3. Rabies
 - 3.2.4. Equine Herpesvirus
 - 3.2.5. Adenovirus
 - 3.2.6. Equine Influenza
 - 3.2.7. West Nile Virus
- 3.3. Bacterial and Rickettsial Diseases in Equids
 - 3.3.1. Neonatal Septicemia
 - 3.3.2. Equine Infectious Anemia
 - 3.3.3. Mumps
 - 3.3.4. Rhodococcus equi
 - 3.3.5. Lyme Disease
 - 3.3.6. Brucellosis
 - 3.3.7. Leptospirosis
 - 3.3.8. Erlichiosis
- 3.4. Protozoal Diseases in Equids
 - 3.4.1. Babesiosi (Piroplasmosis)
 - 3.4.2. Toxoplasmosis
 - 3.4.3. Leishmaniasis
- 3.5. Fungal Diseases in Equids
 - 3.5.1. Cryptococcosis
 - 3.5.2. Epizootic Lymphangitis
 - 3.5.3. Aspergillosis
- 3.6. Parasitic Diseases in Equids
 - 3.6.1. Onchocerciasis
 - 3.6.2. Habronemiasis
 - 3.6.3. Echinococcus
- 3.7. Neoplasms in Equids
 - 3.7.1. Primary versus Metastatic Neoplasms
 - 3.7.2. Primary Periocular Neoplasms
 - 3.7.3. Neoplasms surrounding the Eye
- 3.8. Metabolic Diseases in Equids
 - 3.8.1. Metabolic Diseases in Equids
 - 3.8.2. Cushing's Disease
 - 3.8.3. Hypothyroidism
- 3.9. Toxic Diseases in Equids
 - 3.9.1. Toxic Diseases in Equids
 - 3.9.2. Intoxication by Ivermectin
 - 3.9.3. Intoxication by Plants
- 3.10. Immune System Diseases in Equids
 - 3.10.1. Isoerythrolysis Neonatal
 - 3.10.2. Pemphigus
 - 3.10.3. Systemic Lupus Erythematosus



You will have access to a wide range of innovative multimedia resources such as infographics, in-focus videos and specialized readings”

03

Teaching Objectives

This program will train professionals in the identification, analysis and treatment of ocular conditions associated with systemic and local pathologies in horses. In this way, TECH seeks to develop experts with a comprehensive and specialized approach, capable of making a difference in equine eye care. It will also provide graduates with the necessary skills to recognize how general diseases (infections, nutritional deficiencies or metabolic disorders) affect ocular health. From this, graduates will acquire updated knowledge on the most common ocular manifestations and the most advanced methodologies for their early diagnosis.



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Thanks to the online modality, you will not have to leave your personal or work activities aside! This way you will specialize in an area of high demand, building a solid professional future”



General Objectives

- ♦ Recognize ocular manifestations associated with systemic and local pathologies in horses
- ♦ Analyze the different diseases affecting equine ocular health and their underlying causes
- ♦ Apply specialized diagnostic techniques to evaluate ocular diseases in horses
- ♦ Develop effective treatments to address ocular pathologies arising from systemic conditions
- ♦ Prevent ocular complications through appropriate management and care strategies
- ♦ Establish clinical and preventative protocols for ocular management in horses in different settings
- ♦ Integrate knowledge of ocular pharmacology and its application in equine management
- ♦ Encourage research and analysis of new approaches in the diagnosis and treatment of equine ocular diseases



TECH, recognized by Forbes as the best online university in the world, will transform your veterinary career with a specialization of the highest academic quality"





Specific Objectives

Module 1. Ophthalmologic Examination in Equines

- ◆ Perform advanced ophthalmologic examination techniques in equids
- ◆ Identify ocular alterations by using specialized diagnostic equipment
- ◆ Analyze ophthalmologic test results to determine specific conditions
- ◆ Implement standardized protocols for comprehensive ocular health assessment

Module 2. Ocular Pathologies in Foals

- ◆ Diagnose congenital and acquired ocular pathologies in foals
- ◆ Evaluate medical and surgical treatments for ocular diseases in foals
- ◆ Design clinical management strategies to prevent ocular complications in foals
- ◆ Apply appropriate screening techniques to detect visual problems in early stages

Module 3. Ocular Manifestations of Systemic Diseases in Equids

- ◆ Recognize ocular signs associated with systemic diseases in equids
- ◆ Analyze the relationship between ocular alterations and general pathologies in equids
- ◆ Implement diagnostic strategies to identify ocular manifestations of systemic diseases in equids
- ◆ Design comprehensive treatment plans that address the underlying causes of ocular disorders

04

Career Opportunities

This university program opens up a wide range of career opportunities for those seeking to specialize in one of the most crucial areas of equine health. In this context, graduates will be able to join specialized veterinary clinics, equine hospitals and rehabilitation and sports performance centers. In addition, they will be able to develop and apply personalized preventive and therapeutic protocols, which will contribute to improving the ocular health of horses in various environments. Finally, research also represents a key opportunity, allowing veterinarians to contribute to advances in the diagnosis and treatment of equine ocular diseases.



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Do you want to prepare yourself to meet the challenges of the industry? Thanks to TECH you will stand out as a leader in Equine Ophthalmology, finding multiple career paths in equine eye health care”

Graduate Profile

Graduates will be highly specialized professionals, able to identify and address the complex ocular manifestations derived from various equine pathologies. With a comprehensive and advanced preparation, they will be prepared to accurately diagnose ocular conditions affecting horses, whether caused by local or systemic diseases, and apply appropriate treatments for each case. In addition, you will be distinguished by your ability to integrate knowledge of equine ocular anatomy, advanced diagnostics and customized therapeutic protocols. Finally, you will be able to develop effective prevention plans and contribute to the improvement of equine ocular health through innovative practices.

You will only need an electronic device connected to the Internet to access the contents of this Postgraduate Diploma at any time and place.

- ♦ **Comprehensive Diagnostic Capability:** Develop skills to identify and evaluate ocular manifestations of equine pathologies, considering both local and systemic factors
- ♦ **Clinical Decision Making:** Improve the ability to make informed and effective decisions in the management of equine ocular diseases, tailoring treatments to each situation
- ♦ **Interdisciplinary Teamwork:** Encourage collaboration with other animal health professionals, promoting a comprehensive approach to equine ocular care
- ♦ **Prevention and Education Management:** Acquire skills to design prevention strategies and educate owners about eye care for their horses, thereby improving equine health and well-being



After completing the program, you will be able to use your knowledge and skills in the following positions:

- 1. Veterinarian Specialized in Equine Ophthalmology:** Diagnoses and treats ocular manifestations of various equine pathologies, using advanced techniques to address complex ocular problems.
Responsibilities: Diagnose, treat and monitor ocular diseases in horses, ensuring their visual well-being using advanced and accurate techniques.
- 2. Equine Ocular Health Consultant:** Provides expert advice to veterinary clinics and centers on the diagnosis and management of ocular disease in horses.
Responsibilities: Provide technical advice and recommendations to veterinary clinics, optimizing equine ocular treatment and care.
- 3. Researcher in Equine Ophthalmology:** Develops research projects to improve knowledge and treatment of equine ocular conditions, seeking innovations in the area.
Responsibilities: Conduct scientific research to advance the diagnosis and treatment of ocular pathologies in horses, contributing to the knowledge of the field.
- 4. Equine Ocular Rehabilitation Specialist:** Designs and implements rehabilitation plans for horses with eye conditions, helping them to recover their visual health after surgical interventions.
Responsibilities: Create and implement post-surgical or therapeutic rehabilitation plans, facilitating the visual recovery of horses after ocular interventions.
- 5. Director of a Veterinary Clinic Specialized in Ophthalmology:** Leads a clinic dedicated to the treatment of equine ocular diseases, managing teams and ensuring quality of service.
Responsibilities: Oversee the operation of the clinic, manage teams and ensure high quality equine eye health services are provided.

- 6. Veterinary Ophthalmology Consultant:** Teach specialized classes and workshops on ocular manifestations of equine pathologies, training new professionals in the field.
Responsibilities: Deliver specialized training in equine ophthalmology to students and professionals, promoting knowledge in the management of equine ocular pathologies.

- 7. Coordinator of Equine Ocular Health Programs:** Develops and oversees preventive health programs focused on early detection and treatment of ocular diseases in horses.
Responsibilities: Develop, implement and supervise programs for prevention and treatment of ocular diseases in horses, promoting early detection.

- 8. Head of Equine Eye Health Research and Development:** Works on the development of new technologies and treatments to improve the diagnosis and care of ocular pathologies in horses.
Responsibilities: Lead the development of new technologies, methods and treatments to improve the diagnosis and treatment of equine ocular diseases.

Academic and Research Opportunities

In addition to all the jobs you will be qualified for by studying this TECH Postgraduate Diploma, you will also be able to pursue a solid academic and research career. After completing this university program, you will be ready to continue your studies associated with this field of knowledge and thus progressively achieve other scientific merits.

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.

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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.

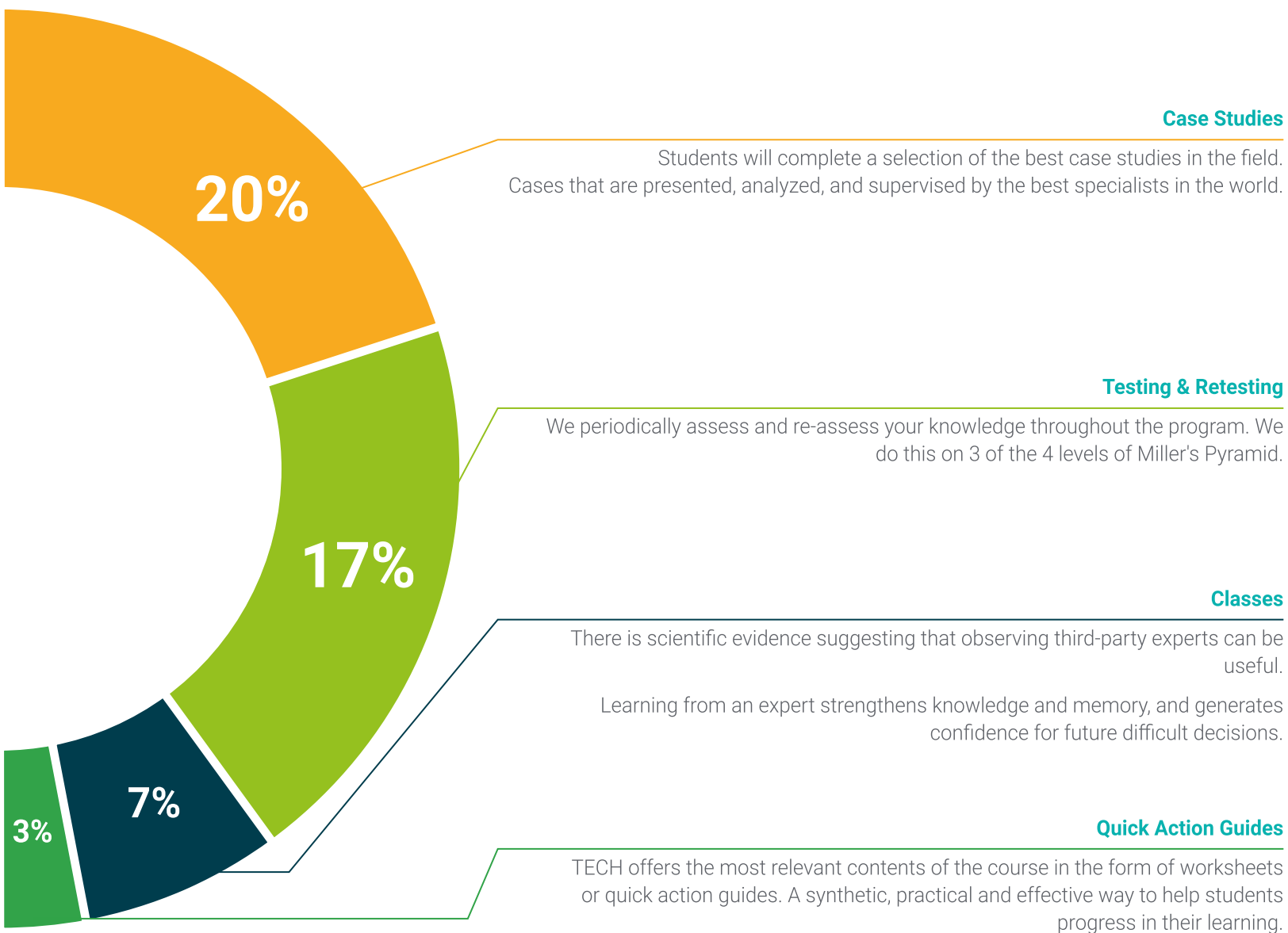
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06

Teaching Staff

The faculty is made up of internationally renowned professionals with extensive clinical and academic experience in the field of Equine Ophthalmology. These experts have many years of experience in the research and treatment of ocular diseases in horses, which allows them to offer a high quality and completely updated training. In this way, students will have the opportunity to be trained by the best, who not only impart knowledge, but also share their passion for Veterinary Medicine and equine eye care.



“

Thanks to the close and personalized approach of the faculty, you will receive the guidance you need to master the complexities of equine ocular pathologies and, thus, develop a successful career in this specialized field”

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. Laguna Sanz, Fernando

- ♦ Head of Ophthalmology Service at Puchol Veterinary Hospital
- ♦ Expert in Ophthalmology from the Veterinary School of Maisons-Alfort
- ♦ Specialist in Veterinary Ophthalmology by the European Specialist in Veterinary Ophthalmology (ECVO)
- ♦ Degree in Veterinary Medicine from the Complutense University of Madrid

Dr. Martín Cuervo, María

- ♦ Head of the Internal Medicine Service of the Clinical Veterinary Hospital of the University of Extremadura
- ♦ Researcher specialized in Large Animals
- ♦ Associate Professor of the Department of Animal Medicine and Surgery, Extremadura University
- ♦ Doctor in Veterinary Medicine from the University of Extremadura
- ♦ Degree in Veterinary Medicine from the University of Córdoba
- ♦ Specialist Veterinarian
- ♦ First prize in the IV edition of the awards of the Royal Academy of Veterinary Sciences and the Tomas Pascual Sanz Institute
- ♦ Pizarro Pious Work Foundation Award of the XLVI Historical Colloquiums of Extremadura
- ♦ Member of: European Board of Veterinary Specialization (EBVS), European College of Equine Internal Medicine (ECEIM) and Spanish Association of Equine Veterinarians (AVEE)

Dr. Molina Choclán, Maribel

- ♦ Founding Partner of El Passeig Veterinary Center
- ♦ Specialist in Veterinary Ophthalmology by the UAB
- ♦ Specialist in Small Animal Veterinary Surgery by the UAB (Modules: Anesthesia and Basic General Surgery)
- ♦ Expert in Alterations of the Posterior Segment (CASP) by the UAB
- ♦ Degree in Veterinary Medicine from the Autonomous University of Barcelona
- ♦ Itinerant Ophthalmologist in Veterinary Clinics
- ♦ Member of: SEOVET and AVEPA - Working Group Ophthalmology



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

07 Certificate

The Postgraduate Diploma in Ocular Manifestations of Equine Pathologies guarantees students, in addition to the most rigorous and up-to-date education program, access to a Postgraduate Diploma issued by TECH Global University.



“

*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 Diploma in Ocular Manifestations of Equine Pathologies** 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.

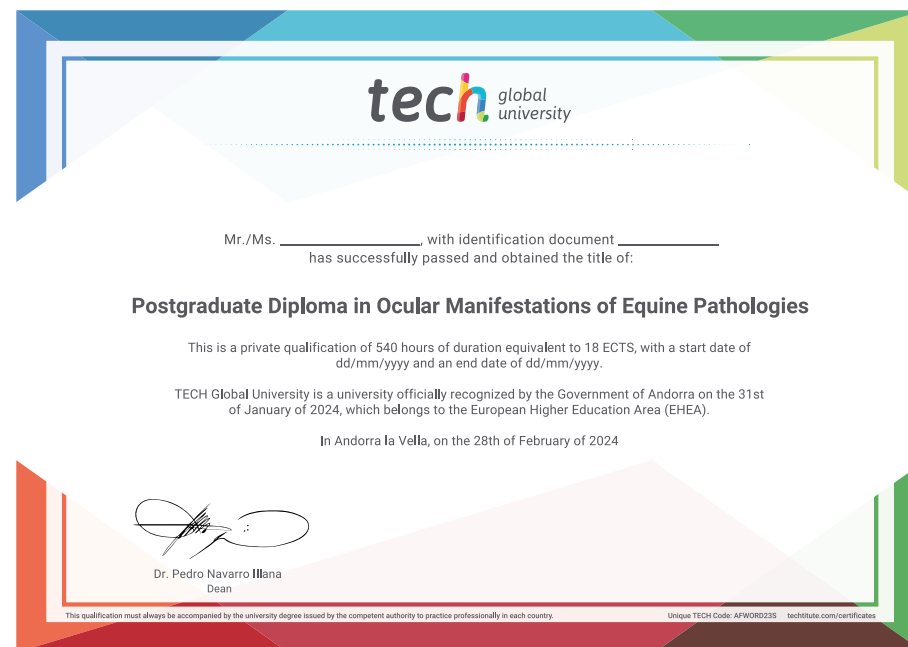
This **TECH Global University private qualification**, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Ocular Manifestations of Equine Pathologies**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**





Postgraduate Diploma
Ocular Manifestations of
Equine Pathologies

- » Modality: Online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Ocular Manifestations of Equine Pathologies

