Postgraduate Diploma

Anterior Segment Equine Ophthalmology

tech global university

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Postgraduate Diploma

Anterior Segment Equine Ophthalmology

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

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-anterior-segment-equine-ophthalmology

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01

Introduction

Equine Ophthalmology has experienced significant advances in recent decades, thanks to the growing interest in preserving the visual health of horses and ensuring their quality of life. According to the American Association of Equine Practitioners (AAEP), ocular diseases represent one of the main causes of loss of function and welfare, affecting both competition and recreational animals. Motivated to address one of the most crucial fields of Veterinary Medicine, TECH has devised this innovative program that will address the diagnosis and treatment of pathologies affecting the Anterior Segment of the Eye. Through a 100% online learning methodology, professionals will be prepared to face the most complex challenges of this discipline, ensuring visual and general well-being.

Do you want to lead specialized clinics, offer cutting-edge treatments and stand out in a highly demanded sector? This program is the ideal option. Join TECH and boost your professional career!"

Equine Anterior Segment Ophthalmology is of fundamental relevance because it focuses on the frontal structures of the eye such as the cornea, lens and anterior chamber. These areas, although small, play an essential role in the vision, ocular functionality and quality of life of the animal. For this reason, prevention and early diagnosis of pathologies such as Corneal Ulcers, Cataracts or Inflammation is vital. Consequently, this discipline becomes essential for the prevention, diagnosis and treatment of related conditions, which reaffirms its importance in the veterinary field.

This TECH Postgraduate Diploma in Equine Anterior Segment Ophthalmology is presented as a unique opportunity to expand knowledge and skills in equine visual care. Through this program, specialists will have access to advanced theoretical and practical training designed to address the specific needs for diagnosis, prevention and treatment of ocular conditions in this area. With updated and specific content on ocular anatomy, advanced diagnostic techniques and therapeutic procedures, graduates will know how to identify and manage related clinical problems, consolidating their ability to perform accurate and effective interventions.

Upon completion of this academic pathway, veterinarians will be better positioned to excel in the field of Equine Veterinary Medicine, opting for new job opportunities in specialized clinics and equestrian centers, or in collaboration with other specialists. In short, they will acquire high-level technical skills and boost their professional development, positioning themselves as leaders in a discipline that is fundamental for equine health and welfare.

The 100% online modality offers a unique experience, adapted to the needs of experts seeking to prepare themselves in a flexible and efficient way. Thanks to the Relearning methodology, they will benefit from an innovative approach that favors active, progressive and continuous learning, integrating knowledge through repetition and constant practical application. With these advantages, students will advance in their career without sacrificing other areas of their personal or work life.

This **Postgraduate Diploma in Anterior Segment Equine Ophthalmology** 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 Anterior Segment Equine Ophthalmology
- 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

With this program, taught by specialists belonging to the sector, you will train at your own pace and with the most advanced resources, obtaining a high quality and highly applicable academic experience"

You will ensure the welfare of horses from the anterior segment: you will master advanced equine ocular diagnostic and treatment techniques in a flexible way and adapted to your professional needs"

Your future in Equine Ophthalmology starts here: You will expand your knowledge with this postgraduate program and access 100% online preparation supported with Relearning methodology.

You will become an expert in equine eye care, diagnosing and treating conditions of the anterior segment with a flexible and high quality training.

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

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Syllabus

This academic pathway offers high-level training designed to excel in the diagnosis and management of ocular pathologies in horses. Through an innovative approach, the curriculum covers from the anatomical and physiological fundamentals of the anterior segment of the eye, to the most advanced techniques for the detection and treatment of diseases such as Corneal Ulcers, Keratitis or Glaucoma. Likewise, the use of diagnostic tools such as slit lamp, tonometry and ocular cytology will be addressed, allowing professionals to become familiar with the most innovative equipment and procedures in Equine Ophthalmology.

With this high-level curriculum, you will be prepared to meet the challenges of equine ocular health. You will update your knowledge to offer excellent care to these valuable animals"

Module 1. Diseases and Surgery of the Cornea and Sclera in Equids

1.1. Histology of the Cornea in Equids
- 1.1.1. Conformation
- 1.1.2. Histological Structure
- 1.1.3. Scleral-Corneal Limbus
- 1.1.4. Vascularization and Innervation

1.2. Physiology of the Cornea in Equids
- 1.2.1. Biochemical Composition
- 1.2.2. Corneal Transparency
- 1.2.3. Nutrition
- 1.2.4. Epithelial, Stromal and Endothelial Scarring
- 1.2.5. Practical Considerations

1.3. Sclera and Limbus in Equids
- 1.3.1. Examination of the Sclera
- 1.3.2. Malformations: Scleral Coloboma
- 1.3.3. Scleral Inflammation and Lacerations
- 1.3.4. Thinning and Sclerectasia of the Sclera
- 1.3.5. Neoplasms of the Sclera and Limbus
- 1.3.6. Obitary Fat Prolapse and Parasitic Diseases of Scleral Localization

1.4. Pharmacological Principles of Ocular Therapy in Equids
- 1.4.1. Routes of Administration
- 1.4.2. Penetration through the Cornea
- 1.4.3. Penetration through the Limbus-Sclera
- 1.4.4. Periocular or Intraocular Injections
- 1.4.5. Anti-Infectives, Anti-Inflammatories and Imnunompdulators

1.5. Semiology of Corneal Modifications in Equids except for Ulcers
- 1.5.1. Semiology of Corneal Modifications in Equids
- 1.5.2. Functional Manifestations
- 1.5.3. Physical Modifications
  - 1.5.3.1. Dimensional and Curvature Anomalies
  - 1.5.3.2. Corneal Edema
  - 1.5.3.3. Corneal Neovascularization
  - 1.5.3.4. Corneal Pigmentation
  - 1.5.3.5. Other Alterations of Corneal Transparency

1.6. Conditions of the Cornea of the Horse: Congenital Conditions, Non-Infectious Ulcerative Keratitis and Corneal Lesions
- 1.6.1. Congenital Conditions
- 1.6.2. Non-Infectious Ulcerative Keratitis
- 1.6.3. Corneal Lesions

1.7. Conditions of the Cornea of the Horse: Bacterial, Viral, and Immune-Mediated Ulcerative Keratitis and Stromal Abscesses
- 1.7.1. Bacterial and Mycotic Ulcerative Keratitis
- 1.7.2. Stromal Abscesses
- 1.7.3. Viral Keratitis
- 1.7.4. Immune-Mediated Keratitis

1.8. Conditions of the Cornea of the Horse: Parasitic Keratitis, Corneal Degenerations and Corneal Neoplasms
- 1.8.1. Parasitic Keratitis
- 1.8.2. Corneal Degeneration
- 1.8.3. Corneal Neoplasms

1.9. Therapeutic Strategy for Corneal Ulcer in Equids
- 1.9.1. Acute Epithelial Ulcer
- 1.9.2. Chronic or Recurrent Epithelial Ulcer
- 1.9.3. Stromal Ulcer
- 1.9.4. Pre-Descemetic Ulcer or Descemetocele and Corneal Perforation

1.10. Surgical Treatment of Corneal Ulcers in Equids
- 1.10.1. Surgical Aspects of Etiologic Treatment
- 1.10.2. Surgical Aspects of Symptomatic Treatment
- 1.10.3. Surgical Techniques
- 1.10.4. Other Techniques

Module 2. Diseases and Surgery of the Anterior Uvea in Equids

2.1. Ocular Physiology and Exploration Applied to the Equine Anterior Ovea
- 2.1.1. Anterior Uvea
- 2.1.2. Physiology of the Anterior Uvea
  - 2.1.2.1. Formation of Aqueous Humor
  - 2.1.2.2. Accommodation of the Crystalline Lens
  - 2.1.2.3. Blood-Aqueous Barrier
- 2.1.3. Ocular Examination Related to the Anterior Uvea
  - 2.1.3.1. Biomicroscopy
  - 2.1.3.2. Tonometry
  - 2.1.3.3. Ocular Ultrasound

2.2. Congenital and Developmental Abnormalities of the Anterior Uvea in Equids
- 2.2.1. Embryonic Development of the Anterior Uvea
- 2.2.2. Congenital Abnormalities
  - 2.2.2.1. Aniridia
  - 2.2.2.2. Iris Heterochromia
  - 2.2.2.3. Persistent Pupillary Membranes
  - 2.2.2.4. Hypolasia vs. Coloboma
  - 2.2.2.5. Peter's Anomaly
  - 2.2.2.6. Uveal Cysts
- 2.2.3. Rocky Mountain Multiple Congenital Anomalies Syndrome

2.3. Inflammatory Diseases of the Uvea in Equids
- 2.3.1. Inflammatory Diseases of the Uvea
- 2.3.2. Clinical Signs of Acute Anterior Uveitis
- 2.3.3. Differential Diagnosis of Acute Anterior Uveitis

2.4. Inflammatory Diseases of the Uvea in Equids. Protocol, Treatment and Sequelae
- 2.4.1. Diagnostic Protocol of Acute Anterior Uveitis
- 2.4.2. Medical Treatment of Acute Anterior Uveitis
- 2.4.3. Sequelae of Acute Anterior Uveitis: When Uveitis Becomes Chronic

2.5. Equine Recurrent Uveitis (ERU)
- 2.5.1. Significance of Equine Recurrent Uveitis (ERU)
- 2.5.2. ERU Classification
  - 2.5.2.1. Classical Presentation
  - 2.5.2.2. Insidious Presentation
  - 2.5.2.3. Posterior Presentation

2.6. Equine Recurrent Uveitis (ERU). Pathophysiology and Histopathology
- 2.6.1. Pathophysiology and Histopathology of Equine Recurrent Uveitis (ERU)
- 2.6.2. Pathophysiology of ERU
- 2.6.3. Histopathology in ERU

2.7. Equine Recurrent Uveitis (ERU). Treatment and Prognosis
- 2.7.1. Medical Treatment of ERU
- 2.7.2. Surgical Treatment of ERU
- 2.7.3. Prognosis of ERU

2.8. Equine Heterochromic Iridocyclitis with Secondary Keratitis (HIK)
- 2.8.1. Clinical Signs of HIK
- 2.8.2. Pathophysiology of HIK
- 2.8.3. Treatment of HIK
- 2.8.4. Prognosis of HIK

2.9. Uveal Trauma in Equids
- 2.9.1. Clinical Signs
- 2.9.2. Pathophysiology of Acute Trauma
- 2.9.3. Medical Treatment of Uveal Trauma
- 2.9.4. Prognosis of Uveal Trauma

2.10. Neoplastic Diseases of the Equine Uvea
- 2.10.1. Primary Tumors of the Neuroectoderm
- 2.10.2. Melanocytic Tumors
- 2.10.3. Non-Melanocytic Tumors
- 2.10.4. Metastatic Tumors

Module 3. Glaucoma in Equids

3.1. Glaucoma in Equids
- 3.1.1. Glaucoma as a Neurodegenerative Disease
- 3.1.2. Pressure as a Main Risk Factor
- 3.1.3. Socioeconomic Implication of Glaucoma in the Equine Species

3.2. Pathophysiology of Aqueous Humor in Equids
- 3.2.1. Goldmann Equation
- 3.2.2. Formation of Aqueous Humor
- 3.2.3. Drainage of Aqueous Humor

3.3. Keys to Ophthalmologic Examination in Equids
- 3.3.1. Tonometry
- 3.3.2. Gonioscopy
- 3.3.3. Ophthalmoscopy (Direct and Indirect)
- 3.3.4. HRUS, UBM and OCT

3.4. Classification of Glaucoma in Equids
- 3.4.1. Congenital Glaucoma
- 3.4.2. Primary Glaucoma
- 3.4.3. Secondary Glaucoma

3.5. Clinical Signs of Glaucoma in Equids
- 3.5.1. Nonspecific
- 3.5.2. Specific
- 3.5.3. Sequelae

3.6. Therapeutic Objectives in the Treatment of Glaucoma in Equids
- 3.6.1. Proposed Therapy
- 3.6.2. Medical Treatment Objectives
- 3.6.3. Surgical Treatment Objectives

3.7. Antiglaucomatous Drugs in Equids
- 3.7.1. Parasympathomimetics: Cholinergic Agonists
- 3.7.2. Adrenergic Agonists and Antagonists
- 3.7.3. Carbonic Anhydrase Inhibitors

3.8. Glaucoma Surgery in Equids: Visual Eye
- 3.8.1. Acuocentesis
- 3.8.2. Cyclocryoablation
- 3.8.3. Gonioimplants (Valved and Non-Valved)
- 3.8.4. Diode Laser Photocoagulation (Transscleral and Endoscopic)

3.9. Glaucoma Surgery in Equids: Blind Eye
- 3.9.1. Chemical Cycloablation
- 3.9.2. Enucleation
- 3.9.3. Evisceration

3.10. Prognosis of Glaucoma Surgery in Equids
- 3.10.1. Explanation of the Prognosis at the First Visit
- 3.10.2. Prognosis in the Short, Medium and Long Term
- 3.10.3. Recommendations for Monitoring

TECH offers you an innovative virtual campus, where you will find dynamic resources that will boost your learning in Equine Anterior Segment Ophthalmology"

03

Teaching Objectives

This program will equip veterinarians with the knowledge and skills necessary to comprehensively address equine ocular pathologies, particularly those related to the anterior segment of the eye. As such, the program will offer advanced specialization in an area of high demand within equine medicine, with an updated approach that will not only allow professionals to improve their skills, but also to stand out in their career. In this way, you will master advanced ophthalmologic examination techniques, which will allow you to make accurate diagnoses through the use of tools such as slit lamp, tonometry and ocular cytology.

You will be able to offer a service of excellence, differentiating yourself as a specialist in a discipline that combines clinical precision with a deep commitment to animal health"

General Objectives

- Acquire advanced knowledge of the anatomy and physiology of the equine anterior ocular segment
- Develop skills in the diagnosis of common anterior segment pathologies in equids
- Master specialized ophthalmologic examination techniques for the anterior segment
- Apply diagnostic tools such as slit lamp and tonometry in equine patients
- Improve ability to identify and treat complex ocular diseases in horses
- Implement effective therapeutic protocols in the management of equine eye conditions
- Acquire skills in basic ocular anterior segment surgery in equines
- Promote clinical decision making based on the analysis of complementary tests in equine ophthalmology

TECH offers you the most complete academic content and unparalleled time flexibility, allowing you to adapt your training to your daily responsibilities"

Specific Objectives

Module 1. Diseases and Surgery of the Cornea and Sclera in Equids

- Recognize main diseases affecting the cornea and sclera in equids
- Design surgical strategies to the treatment of injuries to the cornea and sclera
- Apply advanced diagnostic techniques to assess Conditions of the Ocular Surface
- Implement personalized therapeutic plans for corneal and scleral pathologies

Module 2. Diseases and Surgery in the Anterior Uvea in Equids

- Diagnose inflammatory and degenerative diseases of the anterior uvea in equids
- Evaluate the effectiveness of medical and surgical treatments in uveal pathologies
- Implement specialized diagnostic techniques for the management of uveitis in equids
- Design comprehensive management plans to prevent and treat complications in the anterior uvea

Module 3. Glaucoma in Equids

- Identify clinical signs and risk factors associated with glaucoma in equids
- Analyze diagnostic methods for early detection of equine glaucoma
- Evaluate medical and surgical treatments for intraocular pressure control
- Design follow-up protocols to ensure effective management of glaucoma in equids

04

Career Opportunities

This Postgraduate Diploma opens up a wide range of opportunities in equine eye care. In fact, this advanced training not only allows professionals to excel in their field, but also gives them access to specialized areas of veterinary medicine that are constantly growing. As a result, graduates will be able to practice as specialists in equine ophthalmology, working in veterinary clinics, equine hospitals and sports centers that care for high-performance horses. They will also be able to work in veterinary consultancies, offering specialized advice to other professionals on the diagnosis and treatment of ocular diseases of the anterior segment.

Do you want to differentiate yourself as an expert in a highly specialized and crucial area for equine health? You have come to the right place. Enroll now and open new doors in your professional career"

Graduate Profile

Graduates will be highly trained professionals with a solid understanding of the anatomy and ocular pathologies of horses, especially with regard to the anterior segment of the eye. Therefore, this profile will make them specialists in the diagnosis, treatment and prevention of equine ocular conditions, prepared to offer effective solutions to a wide range of conditions that affect the vision and welfare of equines. In addition, the expert will not only have mastered ophthalmologic examination techniques, but will also be able to implement innovative treatments and specific surgical protocols, ensuring comprehensive and quality care.

This asynchronous, high-level program offers the ideal preparation for you to excel in a specialty that combines science, precision and commitment to animal health.

- **Diagnostic and Analytical Skills:** Develop the ability to critically and thoroughly evaluate clinical signs and ophthalmologic test results, facilitating accurate diagnoses in the field of equine ophthalmology.
- **Multidisciplinary Teamwork:** Foster effective collaboration with other veterinary professionals and specialists, contributing to the comprehensive care of the equine patient and improving therapeutic outcomes
- **Effective Communication:** Improve the ability to convey technical and diagnostic information in a clear and understandable manner to both colleagues and horse owners, ensuring professional care and proper case management
- **Clinical Management:** Enhance skills to efficiently manage resources and time in clinical practice, optimizing workflow and patient care, especially in complex situations

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

1. **Equine Ophthalmologist:** Specialist in the diagnosis and treatment of ocular pathologies of the anterior segment in horses, providing advanced ophthalmologic care in veterinary clinics and hospitals.
   Responsibilities: Diagnoses and treats ocular diseases in horses, performing ophthalmologic examinations and applying specific treatments.
2. **Consultant in Equine Ophthalmology:** Professional in charge of advising other veterinary clinics and equestrian centers on the management of equine eye diseases and the development of treatment protocols.
   Responsibilities: Advises other veterinary clinics on the management of ocular conditions and optimizes treatment protocols in complex cases.
3. **Equine Health Manager in Equestrian Centers:** Responsible for overseeing the eye health of horses in training centers, competitions and stables, performing regular ophthalmological examinations.
   Responsibilities: Oversees the eye health of horses in training centers, performing regular checkups and coordinating preventative treatments.
4. **Veterinary Surgeon Specialist in Ophthalmology:** Veterinarian with specialized training in equine eye surgery, performing surgical interventions on the anterior segment of the eye in horses.
   Responsibilities: Performs surgical interventions on the anterior segment of the eye in horses, using specialized techniques to correct ocular conditions.
5. **Researcher in Veterinarian Ophthalmology:** Professional dedicated to the research of new diagnostic techniques and treatments for ocular diseases in horses, contributing to the advancement of veterinary science.
   Responsibilities: Develops studies on new equine ocular diseases and evaluates innovations in ophthalmologic diagnostics and treatments.
6. **Technical Director of Veterinary Clinics:** Leader in specialized equine clinics, managing the ophthalmology area and supervising ophthalmological care to ensure the welfare of horses.
   Responsibilities: Leads and coordinates the ophthalmology area, supervising the diagnosis, treatment and prevention of ocular pathologies in horses.
7. **Veterinary Ophthalmology Specialist:** Educator specialized in equine ophthalmology, in charge of training new veterinarians on ocular pathologies and the most advanced diagnostic and treatment techniques.
   Responsibilities: Imparts knowledge and prepares educational materials on diagnostic techniques and specialized equine ophthalmologic treatments.
8. **Animal Health Manager in Equestrian Organizations:** Responsible for designing prevention and eye care programs for horses in high-performance institutions, such as equestrian sports teams or research institutions.
   Responsibilities: Designs and manages eye health programs for horses, ensuring preventive measures are implemented in high performance equestrian facilities.

> *Include this program in your résumé and boost your career growth. TECH has a 99% guarantee of employability"*

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 continue with 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.

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.

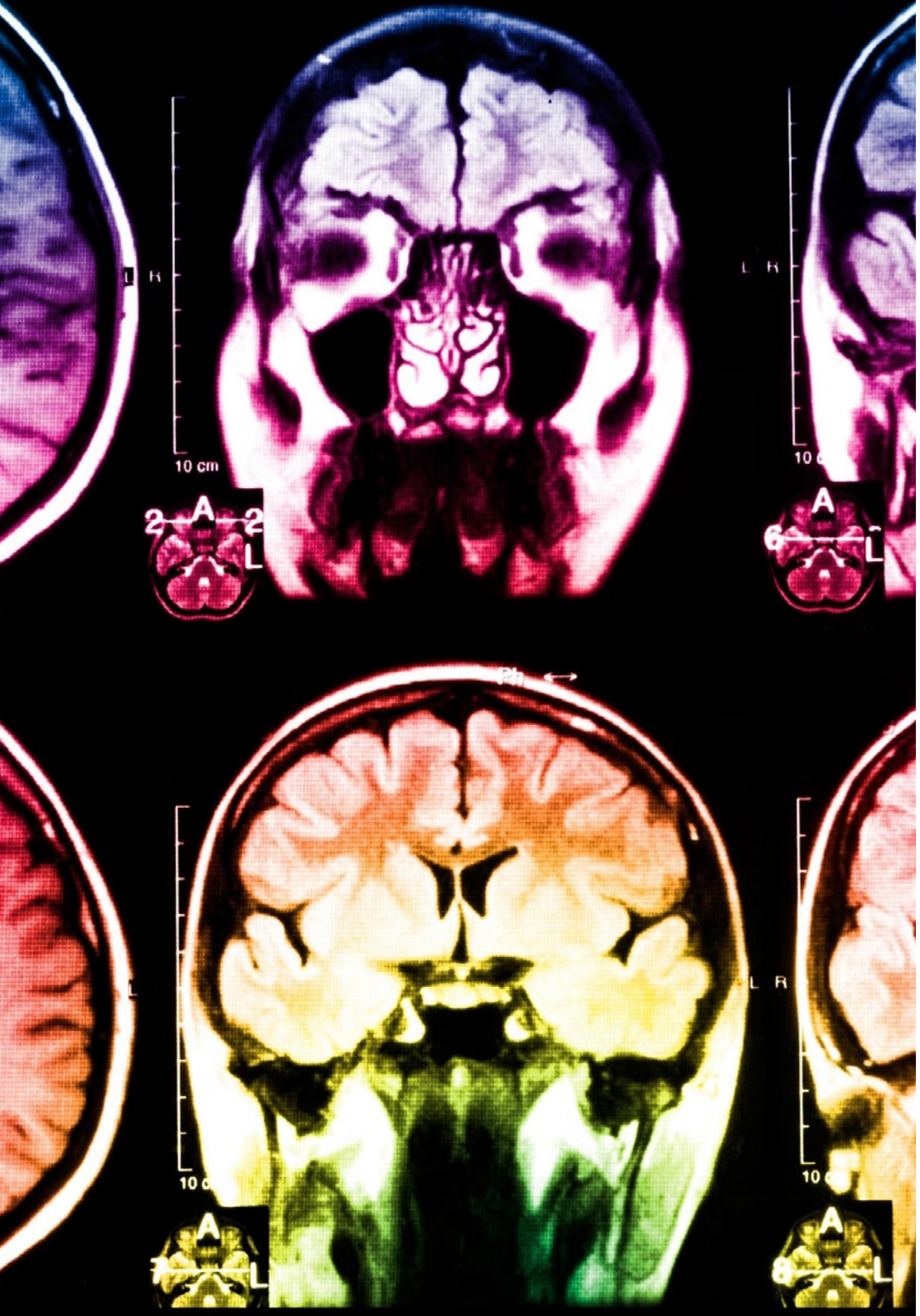
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

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 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.

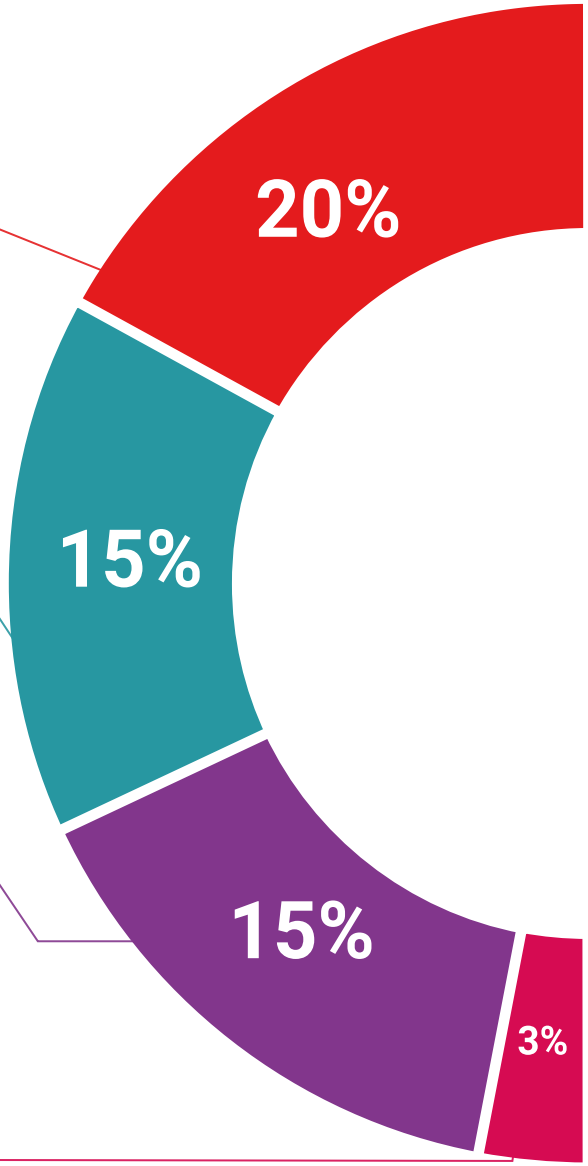
Interactive Summaries

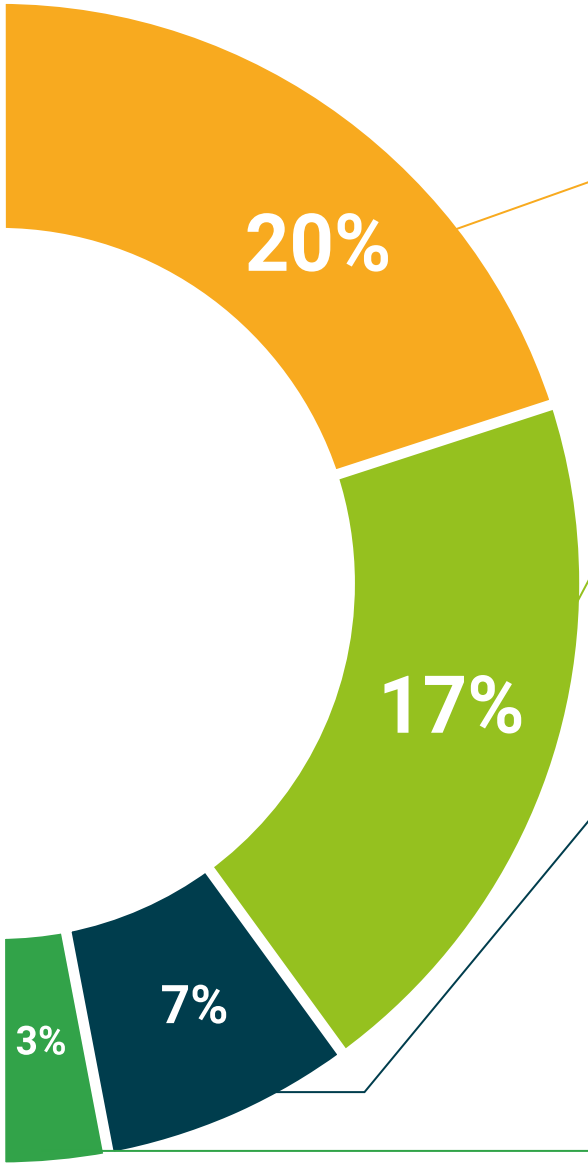
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 program is composed of a team of highly qualified professionals, with years of experience in the field of Veterinary Medicine and Equine Ophthalmology. In fact, these experts, who have worked in various prestigious institutions, will provide cutting-edge training, applicable to the professional environment. Likewise, the teachers not only impart knowledge on the diagnosis and treatment of eye diseases in horses, but also promote a comprehensive and updated vision on the most recent scientific advances in this specialty. In short, students will have the opportunity to learn from the best.

The teachers, who come from fields related to Equine Ophthalmology and related disciplines, combine theoretical teaching with an in-depth study of real cases and simulations"

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. Jiménez Heras, Laura

- Leader of the Ophthalmology and Surgery Service at Eurocan Veterinary Center Specialist in Basic and Advanced Surgery by the Autonomous University of Barcelona
- Degree in Veterinary Medicine from Alfonso X El Sabio University
- Certificate of Advanced Studies (CES) in Veterinary Ophthalmology by L'École Nationale Vétérinaire de Toulouse
- In charge of the Equine Ophthalmology Specialized Consultations

Dr. Cantero, Francisco

- Veterinary Ophthalmologist in AniCura Ars and AniCura Glòries Veterinary Hospitals
- Expert in Posterior Segment Alterations by the UAB
- Expert in Ocular Ultrasonography and UBM by the SEOVET
- Expert in Equine Ophthalmologic Diagnosis by the Ocularvet
- Specialist in Veterinary Ophthalmology by the European Board of Veterinary Specialization (EBVS)
- Degree in Veterinary Medicine from the University of Santiago de Compostela

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

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 Diploma in Anterior Segment Equine Ophthalmology 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 Anterior Segment Equine Ophthalmology** 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.

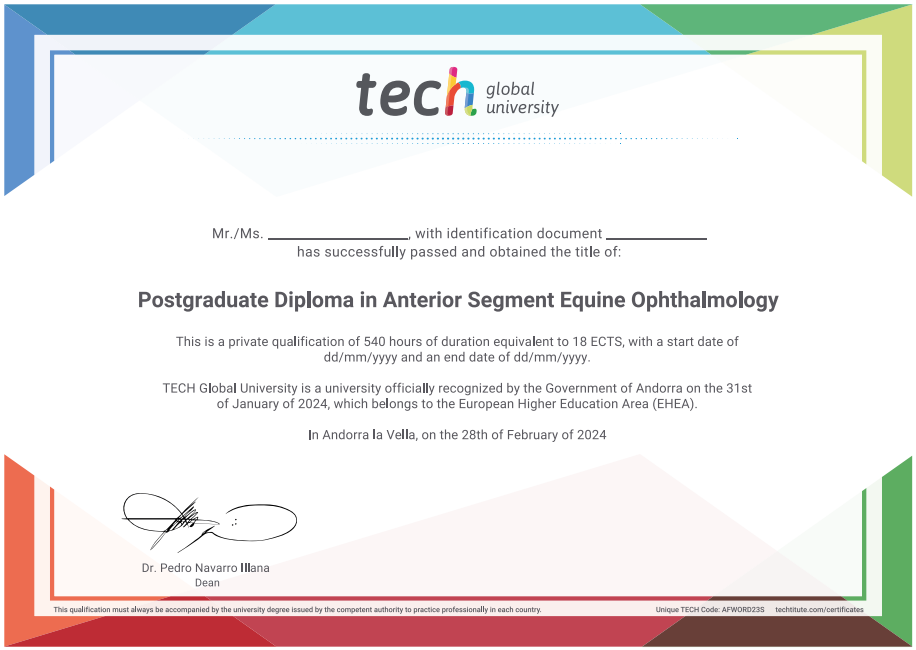
This **TECH Global University private qualification**, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Anterior Segment Equine Ophthalmology**

Modality: **online**

Duration: **6 months.**

Accreditation: **18 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Anterior Segment Equine Ophthalmology

This is a private qualification of 540 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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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Postgraduate Diploma
Anterior Segment Equine Ophthalmology

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

Postgraduate Diploma

Anterior Segment Equine Ophthalmology

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