

# Postgraduate Diploma Emergencies in Large Animals





## Postgraduate Diploma Emergencies in Large Animals

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-emergencies-large-animals](http://www.techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-emergencies-large-animals)

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# 01

# Introduction

This program is unique because it develops in-depth and complete knowledge of Emergencies in Large Animals, "Equidae (Horses, Donkeys and Mules), Small Ruminants (Cattle, Sheep, Goats) and Camelids (Llamas and Alpacas)", in a distance-learning format, adapting the content to the innovations coming out of scientific publications.

The program is entirely taught by specialists from both the European College of Equine Internal Medicine (ECEIM) and the American College of Veterinary Internal Medicine in the Branch of Large Animals (ACVIM-LAIM), which guarantees the highest quality of the program.

All the professors of the program combine their teaching and research tasks with their work in clinical activity, which means they are familiar with the most common pathologies that are seen in hospitals.



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*Large animals can have complex pathologies, so it is necessary to have specialized veterinarians who can treat them”*

Clinical practice is a very dynamic activity, new treatments are constantly appearing in scientific publications and veterinarians must be aware of them in order to be able to offer these options to their clients. Each of the modules in this program covers one of the organ systems, with emphasis on those systems that are most frequently affected in the Large Animals.

Camelids of the New World or South America, which include mainly llamas and alpacas as domesticated animals, are animals bred for different purposes including fiber production, pack animals or meat production in South America, guard animals for other animals such as small ruminants and also as companion animals. This Postgraduate Diploma provides advanced knowledge to diagnose, treat and prevent these diseases.

The horse clinician faces the challenges posed by these patients on a daily basis. Gastrointestinal pathologies are the most frequent cause of emergency calls from owners. Many of these horses suffer from mild illnesses that are resolved with appropriate treatments, but a small group suffer very serious injuries that require surgical treatment. It is necessary to interpret the clinical signs of these patients promptly in order to improve their prognosis; this program provides the main tools to successfully deal with these cases.

Sports medicine forms an important block within Equine Internal Medicine, since many of the horses we have today are dedicated to sporting activities. Working with these horses is very rewarding but also requires a high degree of specialization, especially in pathologies that affect the cardiorespiratory system. This program generates specialized knowledge that allows the equine clinician to evaluate the athletic prognosis of those patients with conditions that influence their athletic performance.

This program is designed by professors with the highest recognized degree of specialization, thus guaranteeing its quality in all aspects, both clinical and scientific, in large animals.

This **Postgraduate Diploma in Emergencies in Large Animals** contains the most complete and up-to-date scientific program on the market. The most important features include:

- » Practical Cases presented by experts in Emergencies in Large Animals
- » The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional development
- » Latest innovations on Emergencies in Large Animals
- » Practical exercises where self-assessment can be used to improve learning
- » Special emphasis on innovative methodologies in Emergencies in Large Animals
- » 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



*Get trained with us and learn how to diagnose and treat diseases in Large Animals, in order to improve their quality of life"*

“ *This Postgraduate Diploma is the best investment you can make when choosing a refresher program to update your knowledge in Emergencies in Large Animals*”

It includes, in its Teaching staff, Professionals belonging to the veterinary field, who pour into this training the experience of their work, in addition to recognized Specialists from Reference 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 training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the specialist must try to solve the different professional practice situations that arise throughout the program. For this, the professional will have the help of an innovative interactive video system made by renowned and experienced experts in Internal Medicine in Large Animals.

*This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.*

*This 100% online program will allow you to combine your studies with your professional work while increasing your knowledge in this field.*



02

# Objectives

The Postgraduate Diploma in Emergencies in Large Animals is designed to facilitate the performance of veterinary professionals with the latest advances and the most innovative treatments in the sector.







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*This is the best option to learn about the latest advances in Emergencies in Large Animals”*



## General Objectives

- » Develop specialized knowledge on the most common gastrointestinal problems
- » Identify all clinical signs associated with each disease
- » Establish the specific clinical approach for each pathology
- » Determine the prognosis and the most appropriate treatment in each case
- » Establish an appropriate methodology for emergency care in newborns
- » Develop knowledge of the main pathologies that affect them, their diagnosis and treatment
- » Establish monitoring and treatment guidelines for a hospitalized foal
- » Establish a suitable methodology for animal ophthalmology examination
- » Identify all clinical signs associated with ocular alterations in large animals
- » Determine the specific clinical approach to patients with an ocular disorder
- » Examine the complementary methods available to diagnose the main ocular alterations in large animals
- » Generate specialized knowledge on the main ocular pathologies in large animals
- » Analyze the general and specific treatment for the main ocular pathologies
- » Examine the clinical approach of the different infectious and parasitic diseases in large animals
- » Compile the complementary methods available to diagnose the main infectious and parasitic pathologies
- » Determine the general and specific treatment for the main infectious and parasitic pathologies
- » Generate advanced knowledge on the prevention of the main infectious and parasitic diseases





## Specific Objectives

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### Module 1. Alterations of the Gastrointestinal System in Large Animals

- » Develop knowledge of the main gastrointestinal pathologies that affect, cattle, small ruminants and camelids
- » Recognize the clinical and laboratory signs of the main pathologies affecting the gastrointestinal system
- » Develop knowledge of the main pathologies that affect the stomach
- » Establish treatment protocols in treatment of horses with EGUS (Equine Gastric Ulcer Syndrome)
- » Determine the origin of the problem and establish the prognosis of choking lesions
- » Recognize the signs of horses with obstructive lesions and the possible steps for treatment
- » Propose a treatment plan for horses with IBD
- » Establish the prognosis of horses with liver problems and propose possible treatment options
- » Analyze the mechanisms of endotoxemia and systemic inflammatory response syndrome
- » Identify the symptoms of colitis/enteritis and propose treatment options
- » Examine, in detail, the possible complications of horses with gastrointestinal alterations
- » Establish action protocols to avoid complications in horses with digestive pathologies
- » Gain in-depth knowledge of other, less frequent, digestive diseases such as intoxications or congenital alterations



### Module 2. Neonatology in Large Animals

- » Determine how to perform a complete physical examination of systems in a newborn foal
- » Analyze the diagnostic procedures used in neonatology and their interpretation
- » Recognize the diseases specific to neonates and the particularities of those that also occur in adult horses
- » Establish neonatal intensive care, care of the nursing foal, and enteral and parenteral feeding of the foal that cannot suckle
- » Determine the need to carry out a cardiopulmonary resuscitation and how to do so
- » Identify foals in a critical condition and establish the prognosis according to the clinical and laboratory parameters
- » Examine the particularities of antibiotherapy, fluid therapy and other treatments in the newborns
- » Analyze the main pathologies affecting newborn calves, sheep, goats and camelids

### Module 3. Ophthalmology in Large Animals

- » Generate specialized knowledge to carry out a correct ophthalmologic examination in large animals
- » Accurately recognize clinical signs of eye pain
- » Establish differential diagnoses of ocular clinical signs
- » Propose a working methodology for the patient with corneal ulcers and/or infectious keratitis
- » Determine a working methodology for the patient with stromal abscess, immune-mediated keratitis and recurrent equine uveitis
- » Establish a working methodology for patients that present ocular neoplasms





#### **Module 4. Infectious and Parasitic Diseases in Large Animals**

- » Identify the main infectious diseases that affect large animals
- » Establish differential diagnosis of the clinical signs in the main infectious pathologies in big animals
- » Propose a work methodology for the patient with infectious alterations
- » Provide specialized knowledge to treat and prevent the main infectious pathologies in large animals
- » Identify the clinical signs of parasitic diseases that affect large animals
- » Gain sound knowledge of the diagnostic procedures used in parasitology and their interpretation
- » Determine a theoretical and practical methodology for patients with parasitic diseases
- » Provide specialized knowledge to establish parasite control and management programs in large animals

“Take the step to get up to date  
on the latest developments  
*Emergencies in Large Animals*”

03

# Course Management

The program's teaching staff includes leading experts in the Emergencies in Large Animals, who bring their work experience to this training program. Professionals of recognized prestige have joined forces to offer you this high-level training.





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*Our team of teachers, with expertise in  
Emergencies in Large Animals, will help you  
reach success in your profession"*

## Management



### Dr. Martín Cuervo, María

- ♦ Doctor of Veterinary Medicine from the University of Extremadura. Doctoral thesis on Inflammation Markers in Horses in a Critical Condition, 2017
- ♦ Degree in Veterinary Medicine from the University of Córdoba.
- ♦ President of the Scientific Committee in the National Congress of the Spanish Association of Equine Veterinarians (AVEE), 2020.
- ♦ Member of the Scientific Committee in the International Committee of the International Purebred Spanish Horse Show (SICAB), 2020
- ♦ Veterinarian, member of the European Board of Veterinary Specialization (EBVS) and the European College of Equine Internal Medicine (ECVIM)
- ♦ Member of the Spanish Association of Equine Veterinarians (AVEE).
- ♦ Head of the Equine Internal Medicine Services in the University of Extremadura (from 2015-present)



### Dr. Barba Recreo, Marta

- ♦ PhD in Biomedical Sciences, Auburn University, Alabama, USA, in 2016.
- ♦ Diplomate of the American College of Internal Medicine, Large Animal in 2015.
- ♦ Degree in Veterinary Medicine from the University of Zaragoza in 2009
- ♦ Head of the Equine Internal Medicine Service, Clinical Veterinary Hospital, CEU Cardenal Herrera University, Valencia.





## Professors

### Dr. Diez de Castro, Elisa

- » PhD Veterinary Medicine from the University of Cordoba Doctoral thesis in Equine Endocrinology in 2015
- » Graduate of the European College of Equine Internal Medicine (ECEIM).
- » Degree in Veterinary Medicine from the University of Cordoba
- » Associate Professor of the Animal Medicine and Surgery Department at the University of Cordoba for the training and evaluation of the supervised internship (rotatory) of the fifth year students of the veterinary degree
- » Equine Internal Medicine Service at Clinical Veterinary Hospital at the University of Cordoba

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*Broaden your expertise with the best specialists in the field"*

# 04

# Structure and Content

The structure of the content has been designed by the best professionals in the field of Emergencies in Large Animals, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to veterinary medicine.





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*We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too"*

## Module 1. Alterations of the Gastrointestinal System in Large Animals

- 1.1. Clinical Examination and Diagnostic Tests
  - 1.1.1. Physical Examination
  - 1.1.2. Imaging Techniques
  - 1.1.3. Endoscopy
  - 1.1.4. Absorption and Digestion Test
  - 1.1.5. Other Tests
- 1.2. Alterations that Affect the Stomach of Equidae
  - 1.2.1. Gastric Ulcer Syndrome
  - 1.2.2. Stomach Impactions
  - 1.2.3. Other Diseases that Affect the Stomach
- 1.3. Strangulation Lesions in Horses
  - 1.3.1. Strangulation Lesions of the Small Intestine
  - 1.3.2. Strangulation Lesions of the Large Intestine
- 1.4. Obstructive Lesions in Horses
  - 1.4.1. Obstructive Lesions of the Esophagus
  - 1.4.2. Obstructive Lesions of the Small Intestine
  - 1.4.3. Obstructive Lesions of the Large Intestine
- 1.5. IBD: Inflammatory Diseases/ Malabsorption Syndrome in Equidae
  - 1.5.1. Clinical Approach
  - 1.5.2. Alimentary Lymphosarcoma
  - 1.5.3. Granulomatous Enteritis
  - 1.5.4. Eosinophilic Enterocolitis
  - 1.5.5. Lymphocytic-Plasmocytic Enterocolitis
  - 1.5.6. Proliferative Enteropathy
  - 1.5.6. Others
- 1.6. Pathologies that Affect the Liver
  - 1.6.1. Liver Disease and Liver Failure
  - 1.6.2. Clinical Signs of Liver Disease
  - 1.6.3. Acute Liver Diseases
  - 1.6.4. Chronic Liver Diseases
  - 1.6.5. Vascular and Congenital Diseases
- 1.7. Colitis, Enteritis and Peritonitis
  - 1.7.1. Colitis
  - 1.7.2. Enteritis
  - 1.7.3. Treatment Options for Horses With Acute Diarrhea
  - 1.7.4. Peritonitis

- 1.8. Gastrointestinal Alterations in Cattle
  - 1.8.1. Examination of the Gastrointestinal System in Cattle
  - 1.8.2. Alterations of the Oral Cavity
  - 1.8.3. Indigestion
  - 1.8.4. Traumatic Reticuloperitonitis
  - 1.8.5. Abomasal Displacements and Other Abomasal Alterations
  - 1.8.6. Obstructive Intestinal Alterations
  - 1.8.7. Diarrhea in Adult Cattle
- 1.9. Gastrointestinal Alterations of Small Ruminants
  - 1.9.1. Examination of the Gastrointestinal System in Small Ruminants
  - 1.9.2. Alterations of the Oral Cavity
  - 1.9.3. Indigestion and Other Pre-Stomach Disturbances
  - 1.9.5. Enterotoxemias
  - 1.9.4. Diarrhea in Adult Sheep and Goats
- 1.10. Gastrointestinal Alterations in Camelids
  - 1.10.1. Anatomy and Physiology of the Gastrointestinal Tract of Camelids
  - 1.10.2. Diagnostic Techniques
  - 1.10.3. Congenital Gastrointestinal Pathologies
  - 1.10.4. Diseases of the Oral Cavity
  - 1.10.5. Diseases of the Esophagus
  - 1.10.6. Pathologies of Gastric and Pre-Stomach Compartments
  - 1.10.7. Enteritis and Diarrhea
  - 1.10.8. Acute Abdomen and Colic
  - 1.10.9. Neoplasms of the Gastrointestinal Tract

## Module 2. Neonatology in Large Animals

- 2.1. Clinical Approach to Newborn Foals
  - 2.1.1. Examination of Newborn Foals
  - 2.1.2. System Evaluation
  - 2.1.3. Examination of the Mother and the Placenta
- 2.2. Septicemia in Foals
  - 2.2.1. Risk Factors
  - 2.2.2. Clinical Signs
  - 2.2.3. Diagnosis
  - 2.2.4. Treatment
  - 2.2.5. Prognosis

- 2.3. Neonatal Hypoxia Syndrome in Foals
  - 2.3.1. Etiopathogenesis
  - 2.3.2. Clinical Signs
  - 2.3.3. Diagnosis
  - 2.3.4. Treatment
  - 2.3.5. Prognosis
- 2.4. Respiratory Alterations in Newborn Foals
  - 2.4.1. Choanal Atresia
  - 2.4.2. Wry Nose
  - 2.4.3. Pneumonia
  - 2.4.4. Acute Respiratory Distress Syndrome
  - 2.4.5. Rib Fracture
  - 2.4.6. Management of Foals With Pulmonary Pathologies
- 2.5. Genitourinary Alterations in Newborn Foals
  - 2.5.1. Patent Urachus
  - 2.5.2. Uroperitoneum
  - 2.5.3. Renal Insufficiency
  - 2.5.4. Inguinal and Scrotal Hernias
  - 2.5.5. Ectopic Urethras
- 2.6. Digestive Alterations in Newborn Foals
  - 2.6.1. Dysphagia
  - 2.6.2. Gastric Ulcer Syndrome
  - 2.6.3. Approach to Newborns With Colic
  - 2.6.4. Meconium Impaction
  - 2.6.5. Diarrhea / Enterocolitis
- 2.7. Intensive Care, Treatment and Procedures
  - 2.7.1. Monitoring of the Newborn
  - 2.7.2. Care of the Nursing Foal
  - 2.7.3. Fluid Therapy
  - 2.7.4. Food for a Sick Foal
  - 2.7.5. Antibiotherapy
  - 2.7.6. Cardiopulmonary Resuscitation
- 2.8. Main Problems in Calves
  - 2.8.1. Congenital Diseases
  - 2.8.2. Trauma and Death During Birth
  - 2.8.3. Prematurity, Dysmaturity and Neonatal Maladjustment
  - 2.8.4. Diseases and Perinatal Problems
  - 2.8.5. Diseases Associated With Reproductive Biotechnologies
  - 2.8.6. Failure of Transfer of Colostral Immunoglobulins
  - 2.8.7. Diarrhea in Calves

- 2.9. Main Problems in New Born Small Ruminants
  - 2.9.1. Congenital Diseases
  - 2.9.2. Prematurity, Dysmaturity and Neonatal Maladjustment
  - 2.9.3. Perinatal Problems
  - 2.9.4. Gastrointestinal Tract Diseases
  - 2.9.5. Locomotor Apparatus Diseases
  - 2.9.6. Failure of Transfer of Colostral Immunoglobulins
- 2.10. Main Problems in Newborn Camelids
  - 2.10.1. Congenital Diseases
  - 2.10.2. Prematurity, Dysmaturity and Neonatal Maladjustment
  - 2.10.3. Perinatal Problems
  - 2.10.4. Gastrointestinal Tract Diseases
  - 2.10.5. Locomotor Apparatus Diseases
  - 2.10.6. Failure of Transfer of Colostral Immunoglobulins

### Module 3. Ophthalmology in Large Animals

- 3.1. Anatomy and Diagnostic Tests
  - 3.1.1. Anatomy and Physiology of the Eyeball
  - 3.1.2. Optic Nerve Blocks
  - 3.1.3. Ophthalmologic examination
  - 3.1.4. Basic Diagnostic Tests
  - 3.1.5. Tonometry
  - 3.1.6. Direct and Indirect Ophthalmoscopy
  - 3.1.7. Ocular Ultrasonography
  - 3.1.8. Other Diagnostic Imaging Tests
  - 3.1.9. Electroretinography
  - 3.1.10. Sub-palpebral Catheter Placement
- 3.2. Alterations of the Eyelids, Conjunctiva and Nasolacrimal Duct in Equidae
  - 3.2.1. Anatomy of Adnexal Tissues
  - 3.2.2. Alterations of the Ocular Orbit
  - 3.2.3. Eyelid Alterations
  - 3.2.4. Alterations of the Ocular Conjunctiva
  - 3.2.5. Alterations of the Nasolacrimal Duct
- 3.3. Corneal Ulcers in Horses
  - 3.3.1. General Aspects
  - 3.3.2. Classification of Corneal Ulcers
  - 3.3.3. Simple, Complex and Severe Ulcers
  - 3.3.4. Indolent Ulcer
  - 3.3.5. Iridocele and Ocular Perforation
  - 3.3.6. Keratomalacia (*Melting*)

- 3.4. Infectious Keratitis and Stromal Abscesses in Equidae
  - 3.4.1. Parasitic Keratitis
  - 3.4.2. Viral Keratitis
  - 3.4.3. Fungal Keratitis
  - 3.4.4. Bacterial Keratitis
  - 3.4.5. Stromal Abscess
  - 3.4.6. Corneal Surgery
- 3.5. Immune-Mediated Diseases and Idiopathic Nonulcerative Keratitis of the Cornea in Equidae
  - 3.5.1. General Aspects. Classification
  - 3.5.2. Superficial Immune-Mediated Keratitis
  - 3.5.3. Deep-Mid-Stromal Immune-Mediated Keratitis
  - 3.5.4. Endothelial Immune-Mediated Keratitis
  - 3.5.5. Other Immune-Mediated Diseases of the Cornea
- 3.6. Equine Recurrent Uveitis and Other Uveal Disorders in Equidae
  - 3.6.1. Anatomy and Physiology of the Uveal Tract
  - 3.6.2. Congenital Diseases of the Uvea
  - 3.6.3. Acute Uveitis
  - 3.6.4. Equine Recurrent Uveitis
- 3.7. Other Ocular Alterations of Equidae
  - 3.7.1. Crystalline Lens Alterations
  - 3.7.2. Alterations of the Retina and Glaucoma
  - 3.7.3. Ocular Neoplasms and the Adjacent Structures
- 3.8. Ocular Alterations in Cattle
  - 3.8.1. Infectious Keratoconjunctivitis
  - 3.8.2. Ocular Carcinoma
  - 3.8.3. Other Alterations of the Eyelids, Conjunctiva and Adjacent Tissue
  - 3.8.4. Other Ocular Alterations
- 3.9. Ocular Alterations in Small Ruminants
  - 3.9.1. Diseases of the Ocular Orbit
  - 3.9.2. Infectious Keratoconjunctivitis
  - 3.9.3. Parasitic Keratitis
  - 3.9.4. Retinal Degeneration
  - 3.9.5. Blindness
- 3.10. Ocular Alterations in Camelids
  - 3.10.1. Congenital Diseases
  - 3.10.2. Ulcerative Keratitis
  - 3.10.3. Parasitic Keratitis



**Module 4. Infectious and Parasitic Diseases in Major Species**

- 4.1. Prevention and Control of Infectious Diseases
  - 4.1.1. Laboratory Diagnostic Tests
  - 4.1.2. Antimicrobial Tests and Resistances
  - 4.1.3. Use of Vaccines
  - 4.1.4. Biosecurity and Control Measures
- 4.2. Main Infectious and Contagious Diseases in Horses
  - 4.2.1. Notifiable Diseases
  - 4.2.2. Diseases Caused by Bacteria
  - 4.2.3. Viral diseases
  - 4.2.4. Diseases Caused by Fungi
- 4.3. Main Infectious and Contagious Diseases in Cattle
  - 4.3.1. Notifiable Diseases
  - 4.3.2. Diseases Caused by Bacteria
  - 4.3.3. Viral diseases
  - 4.3.4. Diseases Caused by Fungi
  - 4.3.5. Diseases Caused by Prions
- 4.4. Main Infectious and Contagious Diseases in Small Ruminants
  - 4.4.1. Notifiable Diseases
  - 4.4.2. Diseases Caused by Bacteria
  - 4.4.3. Viral diseases
  - 4.4.4. Diseases Caused by Fungi
  - 4.4.5. Diseases Caused by Priones
- 4.5. Main Infectious and Contagious Diseases in Camelids
  - 4.5.1. Notifiable Diseases
  - 4.5.2. Diseases Caused by Bacteria
  - 4.5.3. Viral diseases
  - 4.5.4. Diseases Caused by Fungi
- 4.6. Main Parasites Affecting Horses
  - 4.6.1. Hemoparasites
  - 4.6.2. Small Strongyls or Cyathostomes
  - 4.6.3. Big Strongyls
  - 4.6.4. Ascarids
  - 4.6.5. Other Nematodes
  - 4.6.6. Cestodes
- 4.7. Main Parasites Affecting Cattle
  - 4.7.1. Hemoparasites
  - 4.7.2. Gastrointestinal Nematodes
  - 4.7.3. Nematodes That Affect the Respiratory Tract
  - 4.7.4. Cestodes
  - 4.7.5. Trematodes
  - 4.7.6. Coccidia
- 4.8. Main Parasites Affecting Small Ruminants
  - 4.8.1. Hemoparasites
  - 4.8.2. Gastrointestinal Nematodes
  - 4.8.3. Nematodes That Affect the Respiratory Tract
  - 4.8.4. Cestodes
  - 4.8.5. Trematodes
  - 4.8.6. Resistance to Anthelmintics in Small Ruminants
  - 4.8.7. Management, Treatment and Control Programs (FAMACHA)
- 4.9. Main Parasites Affecting Camelids
  - 4.9.1. Hemoparasites
  - 4.9.2. Coccidia
  - 4.9.3. Nematodes
  - 4.9.4. Cestodes
- 4.10. Prevention and Treatment of Parasitic Diseases
  - 4.10.1. Diagnostic Techniques
  - 4.10.2. Therapeutic Principles
  - 4.10.2. Resistance Development
  - 4.10.3. Management and Control Programs



*This training will allow you to advance in your career comfortably"*

# 05 Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.







“

*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the actual conditions in a veterinarian's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
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. The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.



*Veterinarians will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology more than 65,000 veterinarians have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high socio-economic profile and an average age of 43.5 years.

*Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



### Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



### Interactive Summaries

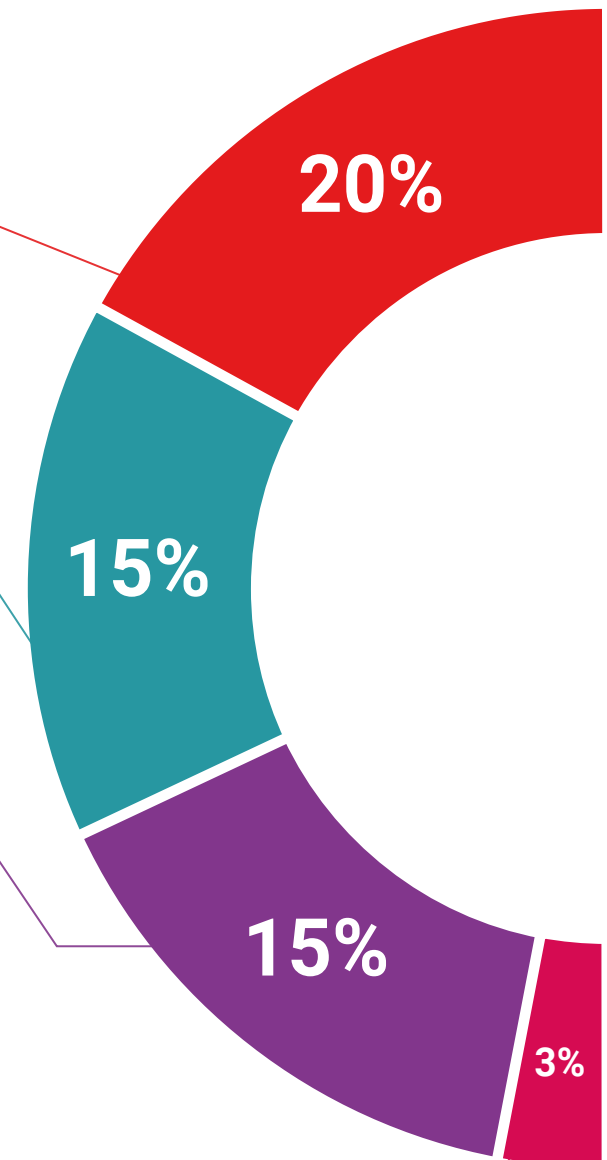
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

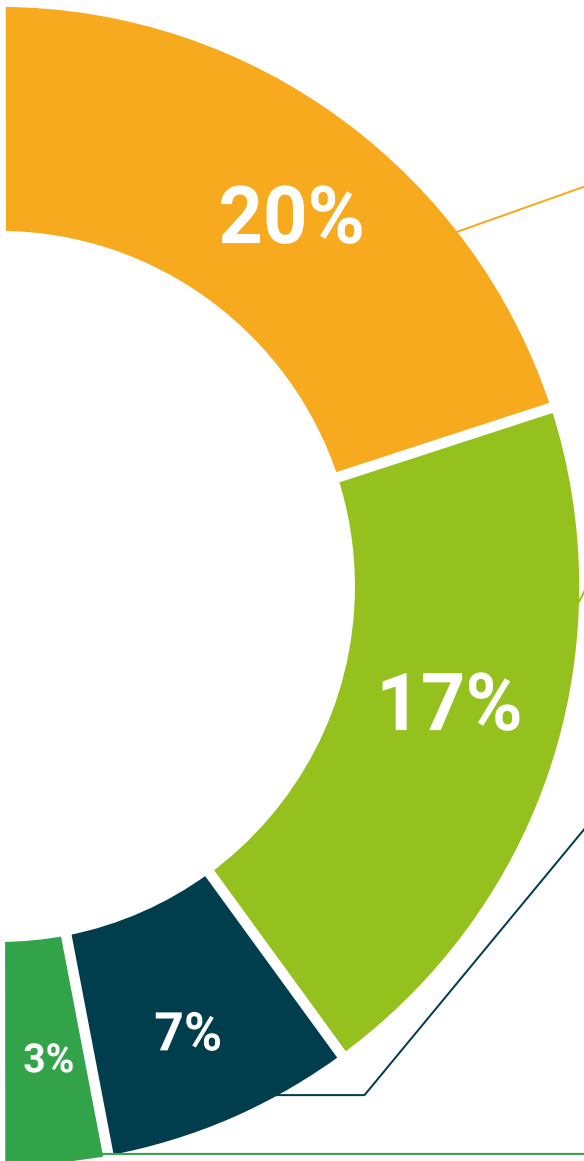
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.  
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

This Postgraduate Diploma in Emergencies in Large Animals guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.





“

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

This **Postgraduate Diploma in Emergencies in Large Animals** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Emergencies in Large Animals**

Official N° of Hours: **600 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION 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  
development languages  
classroom



## Postgraduate Diploma Emergencies in Large Animals

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Diploma

## Emergencies in Large Animals

