Postgraduate Certificate
Digestive System Disorders in Small Animals

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Postgraduate Certificate

Digestive System Disorders in Small Animals

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

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/digestive-system-disorders-small-animals

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01

Introduction

The veterinary physician of companion animals must have specific knowledge of digestive, endocrine and genitourinary pathologies, as they frequently emerge in consultation. The clinical signs that concern owners are characterized by the fact that they are largely unspecific: lack of appetite, changes in feces, abdominal noises, vomiting, unintentional weight loss; therefore, it is essential that the veterinarian specializes in the digestive system of small animals.

Learn with specific diagnostic laboratory and imaging tests used for the digestive tract"

The digestive tract extends from the mouth to the anus and is responsible for receiving food, breaking it down into nutrients, ensuring their absorption into the bloodstream and eliminating non-digestible nutrients from the body

The components of the digestive tract are: mouth, pharynx, esophagus, stomach, small intestine, large intestine, rectum and anus. The digestive system also includes organs outside the digestive tract: the liver, gallbladder and pancreas. This is sometimes referred to as the gastrointestinal tract, but neither of these names is entirely correct. These organs also produce blood clotting factors, hormones unrelated to digestion, and help to eliminate toxic substances from the blood and metabolic drugs

The abdominal cavity is the space containing the digestive organs. It is bounded by the abdominal wall (skin, fat, muscle and connective tissue), the spine, the diaphragm and the pelvic organs

The main objective of this program is to become better informed about digestive diseases, provide orientation regarding patients with abdominal pain and digestive losses and, above all, to understand how to guide the owner in preventing those diseases with predisposed breeds

This program highlights the characteristics of the most common diseases in the digestive system: causes, symptoms, diagnostic protocol, treatments and dietary recommendations

This **Postgraduate Certificate in Digestive System Disorders in Small Animals** contains the most complete and up-to-date educational program on the market. Its most important features include:

- Case studies presented by experts in Digestive System Disorders in Small Animals
- Graphic, schematic and practical contents created to provide scientific and practical information on those disciplines that are essential for professional development
- Latest information on Digestive System Disorders in Small Animals
- Practical exercises where self-assessment can be used to improve learning.
- Special emphasis on innovative methodologies in Digestive System Disorders in Small 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

Upon completion of the program, students will have obtained knowledge that is essential for professional practice, whether they choose to exercise in a clinical, academic or research context"

Each chapter is accompanied by clinical cases that aim to incorporate the knowledge conveyed and includes activities that will allow students to assess their progress"

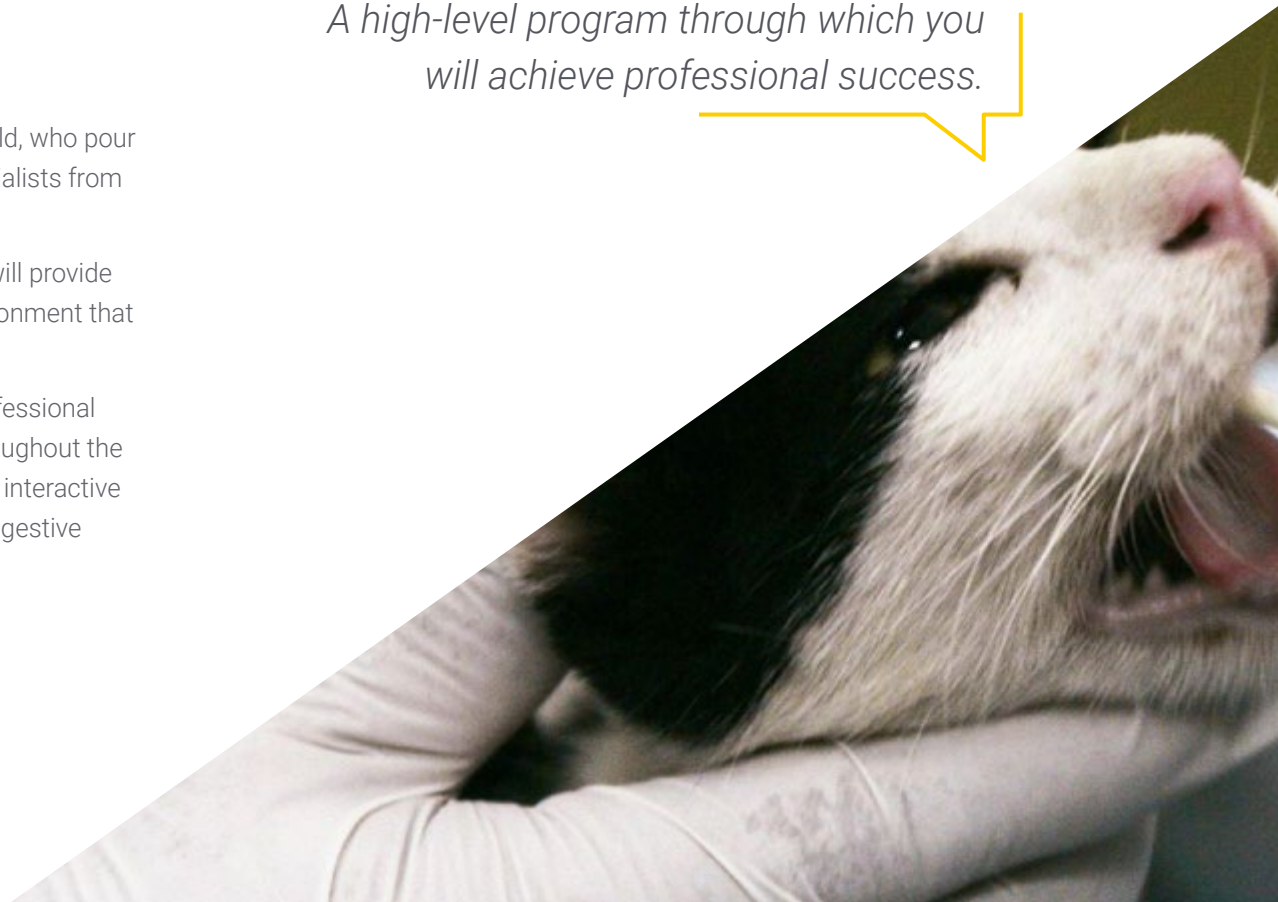
This Postgraduate Certificate is organized to allow for logical and intuitive in-depth study as well as the consolidation of diagnostic, therapeutic and follow-up protocols"

A high-level program through which you will achieve professional success.

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 learning programmed to train 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 throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of Digestive System Disorders in Small Animals



02

Objectives

The Postgraduate Certificate in Digestive System Disorders in Small Animals is designed to facilitate the performance of the veterinary professional with the latest advances and most innovative procedures in the field

You will learn about common alterations in blood tests, X-rays and abdominal ultrasound, from professionals with years of experience in the field"

General Objectives

- Identify patients with non-specific abdominal pain and/or dehydration
- Compile all clinical signs related to diseases in the digestive tract
- Establish a list of differential diagnoses of animals with vomiting and diarrhea
- Generate specialized anatomical knowledge of the digestive system
- Be familiar with specific diagnostic laboratory and imaging tests used for the digestive tract

This Postgraduate Certificate is unique in its category, which will allow students to acquire specialized knowledge in order to offer high-quality internal medicine services to clients and patients"

Specific Objectives

- Establish anamnesis and general physical examination of patients with vomiting and diarrhea
- Identify common alterations in blood tests, X-rays and abdominal ultrasounds
- Generate therapeutic plan for patients with vomiting
- Propose a therapeutic plan for patients with diarrhea and for icteric patients
- Examine hereditary and predisposed breed-associated diseases
- Demonstrate knowledge in management of dehydrated patients and/or those in septic condition
- Address commonly used drugs
- Identify the secondary pathophysiological consequences of digestive diseases on the rest of the organism
- Provide dietary recommendations

03

Course Management

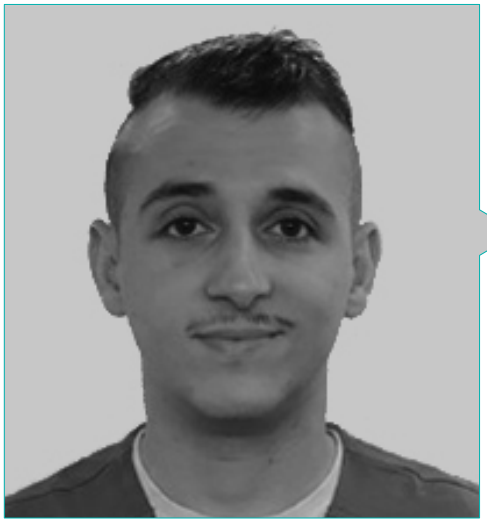
The program includes in its teaching staff renowned renowned professionals who have joined forces to offer you this high-level training.

Our teaching team, all of them experts in Digestive System Disorders in Small Animals, will help you achieve success in your profession"

Management

Ms. Pérez-Aranda Redondo, María

- Head of the Dermatology Service at Simbiosis Center for Veterinary Specialties Veterinarian at Aljarafe Norte Veterinary Center
- In charge of the Dermatology and Diagnostic Cytology service August 2017 - October 2019
- Veterinary clinic at the veterinary center Canitas in Sevilla Este Responsible for the Dermatology and Cytological Diagnostic Service of all Canitas Veterinary Centers April 2015 - July 2017
- Residency at the Dermatology Department of Veterinary Clinic Hospital - Autonomous University of Barcelona
- March 16 - March 27, 2015. Veterinarian at "Centro Veterinario Villarrubia" November 2014 - April 2015
- Official internship at the small animal unit of the Clinical Veterinary Hospital of the University of Cordoba, October 2013 - October 2014
- Honorary collaborator of the Department of Animal Medicine and Dermatological Surgery with Dr. Pedro Ginel Pérez. Student collaborator of the Department of Animal Medicine and Dermatological Surgery with Professor Dr. Pedro Ginel Pérez during the academic periods: 2010-2011, 2011-2012 and 2012-2013
- Student intern at the Veterinary Clinic Hospital of the University of Cordoba during the 2011-2012 and 2012-2013 academic periods



Mr. Usabiaga Alfaro, Javier

- Bachelor's Degree in Veterinary Medicine from the University Alfonso X El Sabio (UAX); collaborating student at the University Veterinary Hospital UAX; rotated through all services of the center (Internal Medicine, Surgery, Anesthesia, Diagnostic Imaging, Emergency and Hospitalization)
- Master's Degree in Small Animal Medicine and Emergency Medicine from AEVA in 2013
- Master's Degree in Small Animal Medicine and Master's Degree in Small Animal Clinical Ultrasound, from Improve International, where he learned from veterinarians of great impact and world reputation who were also members of the American College and/or European College of Veterinary Studies in 2016 and 2017
- In 2018 he obtained the Certificate of General Practitioner in Small Animal Medicine (GPCert SAM), awarded by the International School of Veterinary Postgraduate Studies (ISVPS)
- Received his GPCert in Ultrasound from the ISVPS in 2020
- Obtained the title of the XXXIII National and XXX International Endoscopy Course from the Jesús Usón Minimally Invasive Surgery Center, Cáceres
- Postgraduate course in Diagnostic Imaging, Improve International Postgraduate Diploma in Surgery and Anaesthesia of Small Animals from the Autonomous University of Barcelona (UAB)
- Postgraduate course in Small Animal Surgery offered by the Instituto Veterinario I-Vet

04

Structure and Content

The syllabus has been designed by the best professionals in the field of Digestive System Disorders in Small Animals, who have extensive experience and recognized prestige in the profession, are backed by the volume of cases reviewed, studied, and diagnosed, and also possess extensive knowledge of new technologies applied to veterinary medicine

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. Abnormalities in the Digestive System

1.1. Approach to Patients with Vomiting
- 1.1.1. Pathophysiology of Vomiting
- 1.1.2. Etiology
- 1.1.3. Clinical Symptoms
- 1.1.4. Alterations in Blood Count and Serum Biochemistry
- 1.1.5. Diagnostic Protocol
- 1.1.6. Treatment for Vomiting
  - 1.1.6.1. Commercial Diets
  - 1.1.6.2. Antiemetics
  - 1.1.6.3. Gastric Acid Suppressants and Antacids
  - 1.1.6.4. Stomach Mucosal Protectors

1.2. Approach to Patients with Diarrhea
- 1.2.1. Pathophysiology of Diarrhea
- 1.2.2. Classification and Etiology
- 1.2.3. Clinical Symptoms
- 1.2.4. Differential Diagnosis
  - 1.2.4.1. Acute Diarrhea
  - 1.2.4.2. Chronic Diarrhea

1.3. Common Pathologies of the Oral Cavity and Esophagus
- 1.3.1. Dysphagia
- 1.3.2. Cricopharyngeal Dysfunction
  - 1.3.2.1. Cricopharyngeal Achalasia
  - 1.3.2.2. Crochopharyngeal Asynchrony
- 1.3.3. Regurgitation
- 1.3.4. Esophageal Pathologies
  - 1.3.4.1. Megaesophagus
  - 1.3.4.2. Oesophagitis
  - 1.3.4.3. Oesophageal Stricture
  - 1.3.4.4. Vascular Anomaly
  - 1.3.4.5. Hiatal Hernia

1.4. Gastric Disorders
- 1.4.1. Acute Gastritis
- 1.4.2. Chronic Gastritis
- 1.4.3. Gastric Ulcers
- 1.4.4. Foreign Body Obstruction
- 1.4.5. Neoplasty

1.5. Small Intestine Diseases
- 1.5.1. Acute Enteritis
- 1.5.2. Chronic Intestinal Disease
- 1.5.3. Protein-Losing Enteropathy
- 1.5.4. Intestinal Bacterial Overgrowth
- 1.5.5. Neoplasms

1.6. Large Intestinal Diseases
- 1.6.1. Chronic Diarrhea
- 1.6.2. Infection by Tritrichomonas Foetus
- 1.6.3. Constipation in Cats
- 1.6.4. Ulcerative Histiocytic Colitis
- 1.6.5. Neoplasms

1.7. Principles of Ultrasound and Gastrointestinal Endoscopy
- 1.7.1. Two-Dimensional Description of Normal Digestive Structures
- 1.7.2. Gastroduodenoscopy
  - 1.7.2.1. Patient Preparation
  - 1.7.2.2. Preparation of Material
  - 1.7.2.3. Procedure
- 1.7.3. Colonoscopy
  - 1.7.3.1. Patient Preparation
  - 1.7.3.2. Procedure

1.8. Hepatobiliary Diseases I. Hepatopathies in Dogs
- 1.8.1. Differences in Cats and Dogs
- 1.8.2. Diagnosis
- 1.8.3. Supportive Therapy
- 1.8.4. Hepatopathies in Dogs
  - 1.8.4.1. Chronic Hepatitis
  - 1.8.4.2. Leptospirosis.
  - 1.8.4.3. Drug-Associated Hepatopathy or Liver Disease
  - 1.8.4.4. Portal Vein Hypoplasia
  - 1.8.4.5. Portosystemic Shunt
    - 1.8.4.5.1. Congenital SPS
    - 1.8.4.5.2. Contracted SPS

1.9. Hepatobiliary Diseases II
- 1.9.1. Hepatopathies in Cats
  - 1.9.1.1. Hepatic Lipidosis
  - 1.9.1.2. Acute Hepatitis
  - 1.9.1.3. Chronic Hepatitis
  - 1.9.1.4. Feline Infectious Peritonitis
  - 1.9.1.5. Hepatic Amyloidosis
  - 1.9.1.6. Drug-Associated Hepatopathy or Liver Disease
- 1.9.2. Hepatic Neoplasia
- 1.9.3. Biliary Diseases
  - 1.9.3.1. Biliary Mucocele
  - 1.9.3.2. Neutrophilic Cholangitis
  - 1.9.3.3. Lymphocytic Cholangitis
  - 1.9.3.4. Chronic Cholangitis Associated with Trematodes
- 1.9.4. Neoplasms of the Gallbladder and Bile Ducts

1.10. Diseases of the Exocrine Pancreas
- 1.10.1. Pathophysiology
- 1.10.2. Diagnosis
- 1.10.3. Acute Pancreatitis
- 1.10.4. Necrotizing Pancreatitis
- 1.10.5. Exocrine Pancreatic Insufficiency
- 1.10.6. Neoplasms

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.

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:

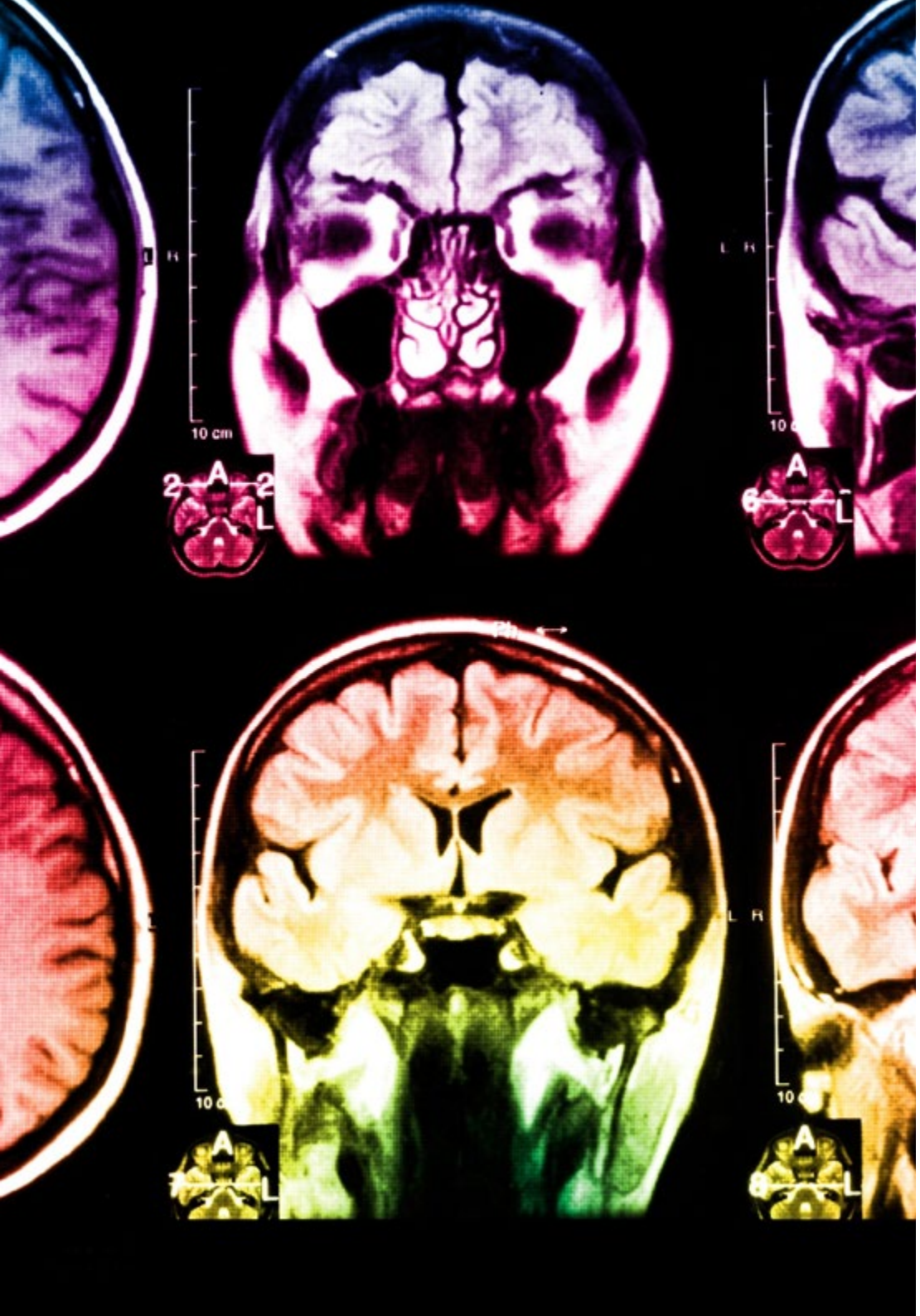
1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real 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.

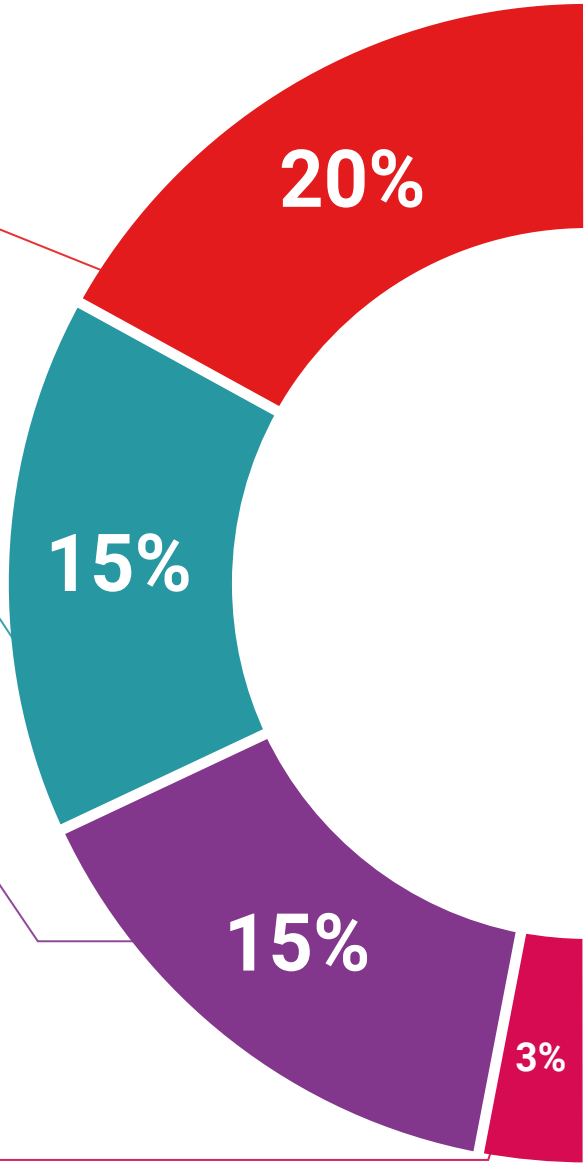
Interactive Summaries

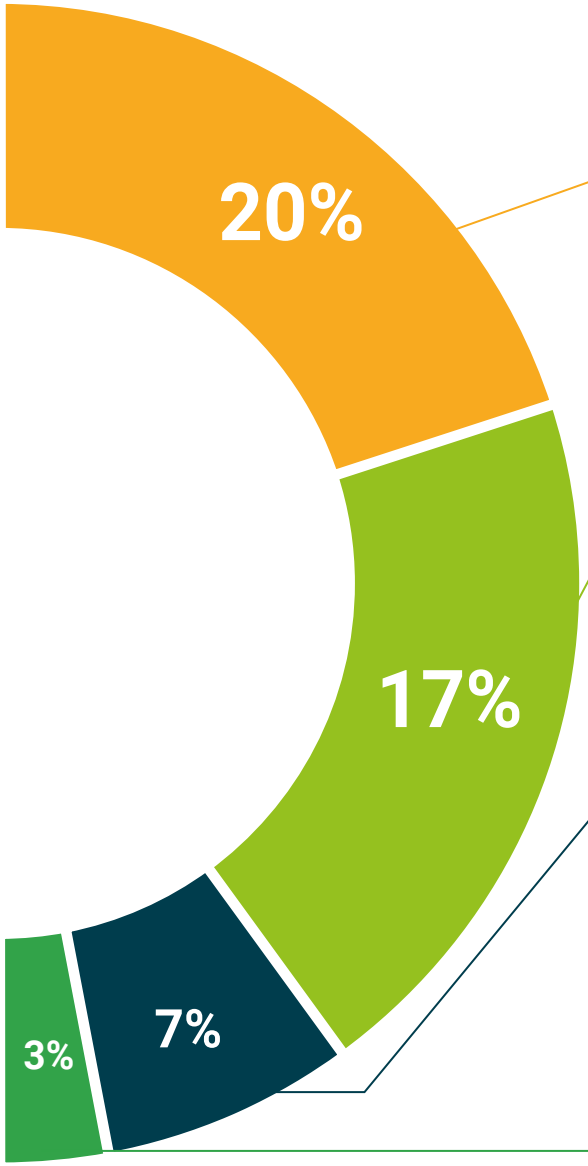
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

The Postgraduate Certificate in Digestive System Disorders in Small Animals guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University

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

This program will allow you to obtain your **Postgraduate Certificate in Digestive System Disorders in Small Animals** 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** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Digestive System Disorders in Small Animals**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

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

Postgraduate Certificate in Digestive System Disorders in Small Animals

This is a program of 180 hours of duration equivalent to 6 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
Rector

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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