

# Postgraduate Certificate Feline Dentistry and Digestive Pathology





## Postgraduate Certificate Feline Dentistry and Digestive Pathology

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

Website: [www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/feline-dentistry-digestive-pathology](http://www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/feline-dentistry-digestive-pathology)

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# 01

# Introduction

Digestive pathologies represent the main reason for consultation for feline patients in veterinary clinics, and their causes are easy to recognize and treat by means of techniques such as anamnesis or other simple tests. The problem for the veterinary professional arises when the base pathologies are not the usual ones, resulting in the fact that the known tests and treatments are no longer effective. This Postgraduate Certificate provides an in-depth study of the most common pathologies as well as the most complex and challenging ones, offering an exhaustive update on the most effective diagnostic and therapeutic techniques. All this is taught by a team of professionals with extensive experience in the field, focused on the professional updating of the specialist.







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*Update your daily practice with the latest advances in feline chronic enteropathy and feline chronic gingivostomatitis”*

Oral diseases in cats are highly challenging, given their complexity in treatment, being a frequent cause of referral to specialty centers.

In this program, the two most frequent diseases are addressed: periodontal disease and chronic gingivostomatitis, in which extensive topics on the latest therapeutic options are discussed in depth, as well as the most successful conventional treatments.

An in-depth study of common pathologies is also essential, given their complicated diagnosis and management in the most delicate cases. Thus, topics will also be devoted to therapeutic techniques available to all veterinary specialists, resulting in an optimal and up-to-date approach to cases of inflammatory bowel disease, pancreatic liver pathologies and chronic constipation.

As it is an online program, the student is not constrained by fixed schedules or the need to move to another physical location, but can access the contents at any time of the day, balancing their professional or personal life with their academic life as they please.

This **Postgraduate Certificate in Feline Dentistry and Digestive Pathology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Feline Medicine and Clinic
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning.
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions for experts and individual reflection work
- ♦ Content that is accessible from any fixed or portable device with an internet connection



*This program has the best didactic material, which will enable a contextual study that will facilitate your learning"*

“

*Take advantage of the extensive experience of professionals committed to your update in Feline Dentistry and Digestive Pathology”*

*It meets an increasing demand from owners with felines who come to the practice in search of a specialized veterinarian.*

*Choose the time that best suits you to take on the teaching workload. At TECH, you make the important decisions.*

The program's teaching staff includes professionals from sector 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 academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.





# 02 Objectives

Given the advanced knowledge imparted throughout the program, the objective of this program is to provide the specialist with the most up-to-date scientific postulates and veterinary practice possible. With this, the approach to feline digestive and odontological pathologies will be carried out with a much more modern and avant-garde approach, based on the latest scientific postulates and veterinary practice.





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*Incorporate the latest advances in Feline Dentistry and Digestive Pathology into your daily practice immediately, thanks to the great contextual support throughout the program"*



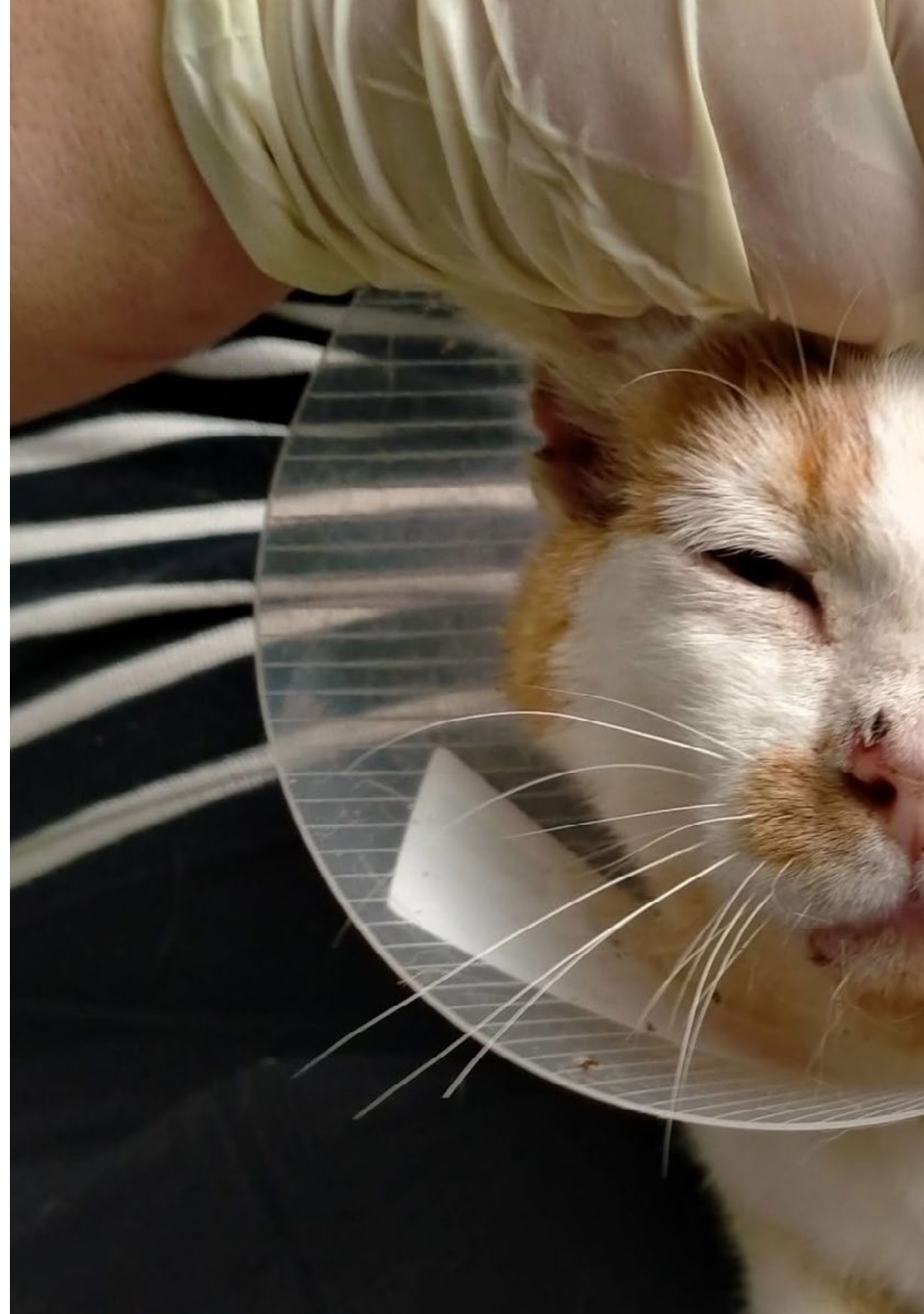
## General Objectives

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- ♦ Examine which are the less common signs that may raise suspicion of a digestive pathology
- ♦ Determine the diagnostic method of digestive diseases and the tests of choice at any given time
- ♦ Optimize the diagnosis and the limitations of each technique
- ♦ Propose new therapeutic options, both medical, nutritional and surgical, in refractory digestive cases
- ♦ Establish the differences between periodontal disease and chronic gingivostomatitis
- ♦ Resort to the most appropriate treatment based on the oral disease present



*Join the world's largest online academic institution, where you will find the most advanced veterinary science content"*







## Specific Objectives

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- ◆ Effectively manage feline patients with weight loss
- ◆ Determine which blood tests are useful to rule out or confirm a digestive problem
- ◆ Resort to the ideal diagnostic technique for each digestive pathology, knowing the indications of each one and also its limitations
- ◆ Establish in which cases it is more advisable to consider a digestive endoscopy or an exploratory laparotomy
- ◆ Master the most effective treatments for inflammatory bowel disease based on scientific evidence
- ◆ Determine in which cases we should consider the use of stem cells or fecal transplantation for the treatment of inflammatory bowel disease
- ◆ Establish a correct monitoring of the feline patient with hepatic lipidosis
- ◆ Develop a nutritional plan for the feline patient with hyporexia or anorexia
- ◆ Properly manage all nutritional strategies in the treatment of digestive pathologies
- ◆ Master dental radiology for the diagnosis of oral pathologies
- ◆ Distinguish between periodontal disease, chronic gingivostomatitis or other oral diseases
- ◆ Plan a correct treatment for each oral disease based on scientific evidence and expert results
- ◆ Determine when a feline patient has refractory gingivostomatitis and how to treat it

# 03

## Course Management

The teaching team assembled by TECH is made up of professionals of reference in the veterinary field, with years of experience both in consultation and teaching. This provides the student with detailed information on feline medicine and surgery, with special emphasis on the most urgent digestive and dental ailments. It is therefore a unique opportunity to access cutting-edge scientific material prepared by prestigious veterinarians in the sector.







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*Don't miss the opportunity to learn with professionals of recognized prestige"*

## International Guest Director

Dr. Karen Perry has become one of the most prominent professionals in the world of veterinary medicine. Specialized in small animal orthopedics, her prestige lies in her constant work in this area, where she has passionately devoted herself to finding the most effective treatments to reduce the complication rates associated with common orthopedic procedures.

Her work has focused especially on Feline Orthopedics and Minimally Invasive Osteosynthesis, areas that have allowed her to occupy positions of high responsibility. In this way, she has successfully served as Head of the Small Animal Surgery Department and as an associate professor at Michigan State University. In this sense, throughout her long professional career, Perry has perfectly combined the clinical facet with teaching at higher academic institutions.

Thanks to her communication skills, she not only brings the content to the students in an attractive way, but also disseminates scientific advances in her field at national and international congresses in her specialty. She is also the author of numerous publications in veterinary literature and is positioned as a leading voice in her field, which has led her to participate in interviews where she encourages constant updating by professionals and the active participation of women in Veterinary Orthopedics. At the same time, she brings scientific and clinical progress closer to the general public through different digital communication channels.



## Dr. Perry, Karen

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- Head of the Small Animal Surgery Department at the Michigan State University
- Veterinary Medical Center.
- Professor at Michigan State University
- Professor of Veterinary Medicine at Royal Veterinary College
- Veterinarian at The Royal (Dick) Veterinary Studies
- Member of: : European College of Veterinary Surgeons

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*Thanks to TECH you will be able to learn with the best professionals in the world"*

## Management



### Dr. Mayo Robles, Pedro Pablo

- ♦ Co-owner and head of the Internal Medicine Service of the Veterinary Hospital Nacho Menes, in Gijón
- ♦ Veterinarian at the Reference Center San Vicente del Raspeig, in Alicante
- ♦ Clinical veterinarian at the Quirurgical Veterinary Center Alfonso Chico in La Coruña
- ♦ Responsible for the accreditation of Nacho Menes Veterinary Hospital as "Cat friendly clinic gold level by the ISFM"
- ♦ Bachelor and graduate in Veterinary Medicine, specializing in Animal Medicine and Health, from the Faculty of Veterinary Medicine of the University of León

## Professors

### Dr. Álvarez Martín, Ramón

- ♦ Co-responsible veterinarian of the Soft Tissue Surgery Service and head of the Dentistry Service at the Nacho Menes Veterinary Hospital in Gijón
- ♦ Veterinarian in the Emergency Department of the Veterinary Hospital Indautxu, in Bilbao
- ♦ Degree in Veterinary Medicine from the University of León in 2014
- ♦ Postgraduate degree in Anesthesia and Soft Tissue Surgery from the Autonomous University of Barcelona



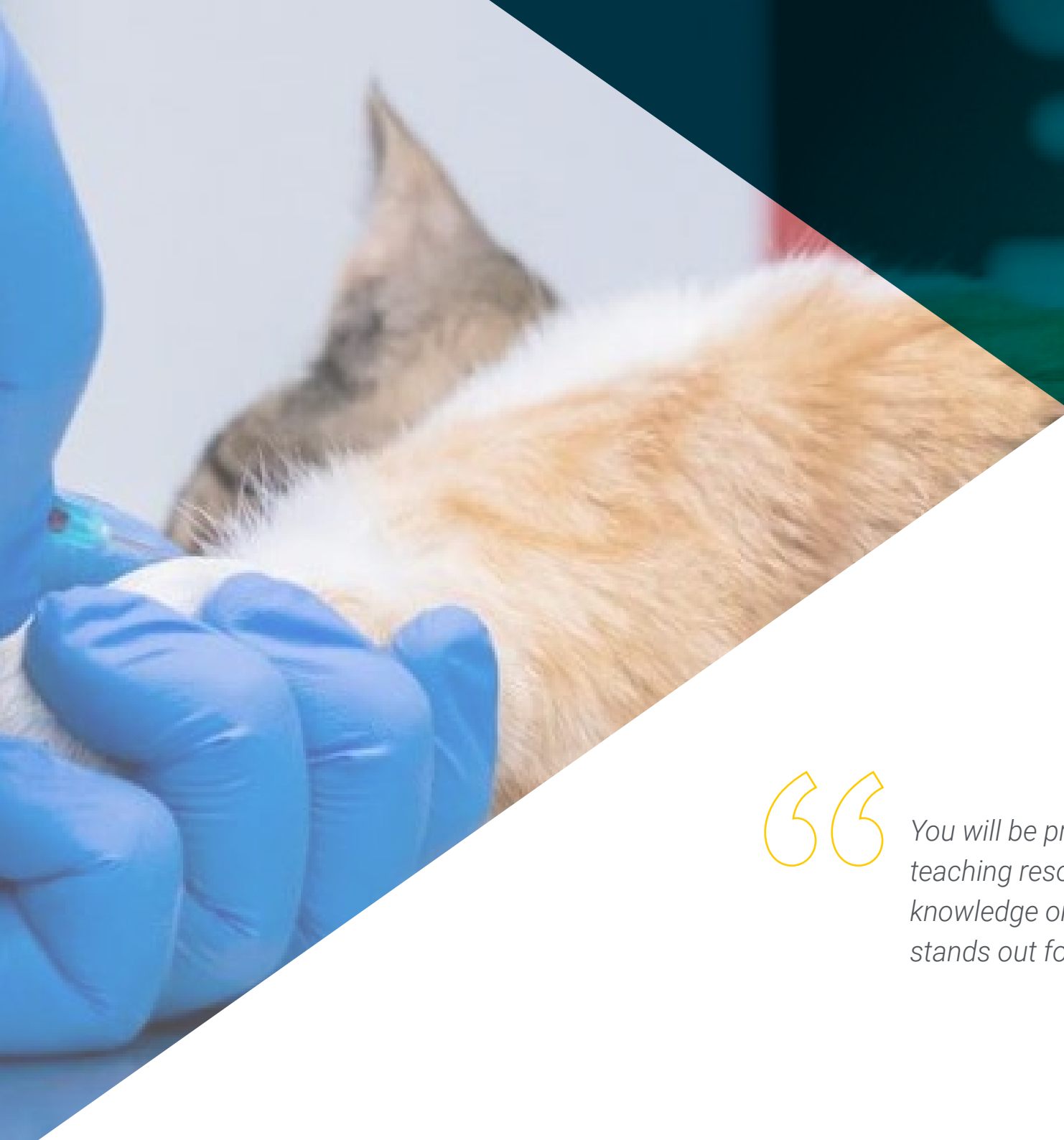


# 04

## Structure and Content

The structure of the contents has been designed by the best professionals in the field of Feline Medicine and Surgery, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied and diagnosed. With a broad mastery of new technologies applied to veterinary medicine, the syllabus reviews the different issues through complementary readings, detailed videos and real clinical cases.





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*You will be provided with innovative teaching resources and the most advanced knowledge on the market in a program that stands out for its high scientific rigor”*



## Module 1. Digestive and Odontological Pathologies in the Feline Species

- 1.1. Esophageal Pathologies in the Cat
  - 1.1.1. Esophageal Pathologies in the Cat
    - 1.1.1.1. Clinical Presentation
    - 1.1.1.2. Diagnostic Approach
  - 1.1.2. Esophagitis and Esophageal Strictures
    - 1.1.2.1. Causes
    - 1.1.2.2. Diagnosis
    - 1.1.2.3. Medical Treatment
  - 1.1.3. Non-Invasive Treatment of Esophageal Strictures
  - 1.1.4. Megaesophagus
- 1.2. Feline Chronic Enteropathy I. Clinical Signs
  - 1.2.1. Feline Chronic Enteropathy
  - 1.2.2. Overview, History and Clinical Signs
  - 1.2.3. Laboratory Assessment: Importance of Cobalamin.
  - 1.2.4. Abdominal ultrasound
  - 1.2.5. Fine needle Aspiration
- 1.3. Feline Chronic Enteropathy II. Tests, Treatment and Prognosis
  - 1.3.1. Biopsy: Advantages and Disadvantages of the Different Techniques
  - 1.3.2. Interpretation of Biopsy Results
  - 1.3.3. Immunohistochemistry
  - 1.3.4. Clonality Test
  - 1.3.5. Treatment and Prognosis of IBD and Low-Grade Lymphoma





- 1.4. Pancreatitis in Cats: ACVIM Consensus I
  - 1.4.1. Pancreatitis in Cats
  - 1.4.2. Causes
  - 1.4.3. Pathophysiology
  - 1.4.4. Clinical Signs
  - 1.4.5. Diagnosis
    - 1.4.5.1. Image
    - 1.4.5.2. Clinical Pathology
    - 1.4.5.3. Cytology
    - 1.4.5.4. Histology
- 1.5. Pancreatitis in Cats: ACVIM II Consensus and Exocrine Pancreatic Insufficiency (EPI)
  - 1.5.1. Treatment of Acute Pancreatitis
  - 1.5.2. Treatment of Chronic Pancreatitis
  - 1.5.3. EPI. Exocrine Pancreatic Insufficiency
    - 1.5.3.1. EPI. Causes
    - 1.5.3.2. EPI. Clinical Signs
    - 1.5.3.3. EPI. Laboratory Diagnosis, Imaging and Histology IPE. Treatment
- 1.6. Cholangitis and Hepatic Lipidosis
  - 1.6.1. Neutrophilic Cholangitis
  - 1.6.2. Lymphocytic Cholangitis
  - 1.6.3. Trematode Cholangitis
  - 1.6.4. Hepatic Lipidosis
  - 1.6.5. Liver Sampling
- 1.7. Surgery of the Gastrointestinal Tract in the Cat
  - 1.7.1. Gastrointestinal Surgery
  - 1.7.2. Surgical Approach to the Abdominal Cavity
  - 1.7.3. Anatomy of the Digestive Tract Wall
  - 1.7.4. Scarring: Process and Importance of Suture
  - 1.7.5. Enterotomy
  - 1.7.6. Enterectomy
  - 1.7.7. Alternatives to Suture for Anastomosis
- 1.8. Feline Dentistry I. Examination, Diagnosis and Recording
  - 1.8.1. Feline Dentistry
  - 1.8.2. Basic and Advanced Equipment
  - 1.8.3. Oral Anatomy
  - 1.8.4. Examination, Diagnosis and Recording
  - 1.8.5. Oral Radiology
- 1.9. Feline Dentistry II. Pathologies
  - 1.9.1. Resorptive Lesions
  - 1.9.2. Dental Fractures
  - 1.9.3. Orofacial Pain Syndrome
  - 1.9.4. Other Pathologies
- 1.10. Feline Chronic Gingivostomatitis
  - 1.10.1. Etiology
  - 1.10.2. Clinical Signs
  - 1.10.3. Diagnosis
  - 1.10.4. Medical and Surgical Treatment
  - 1.10.5. Mesenchymal Stem Cell Therapy
  - 1.10.6. Laser Therapy



*You will be able to access the virtual classroom whenever you want, as it is available 24 hours a day from any device with an internet connection”*

# 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.





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*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. Gervas, 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

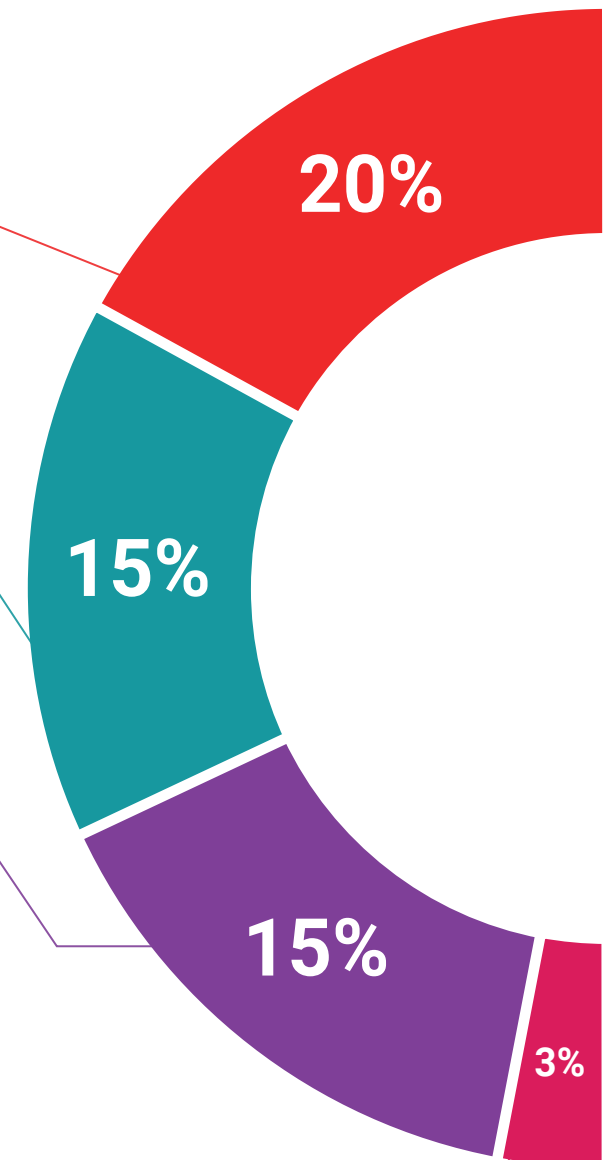
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

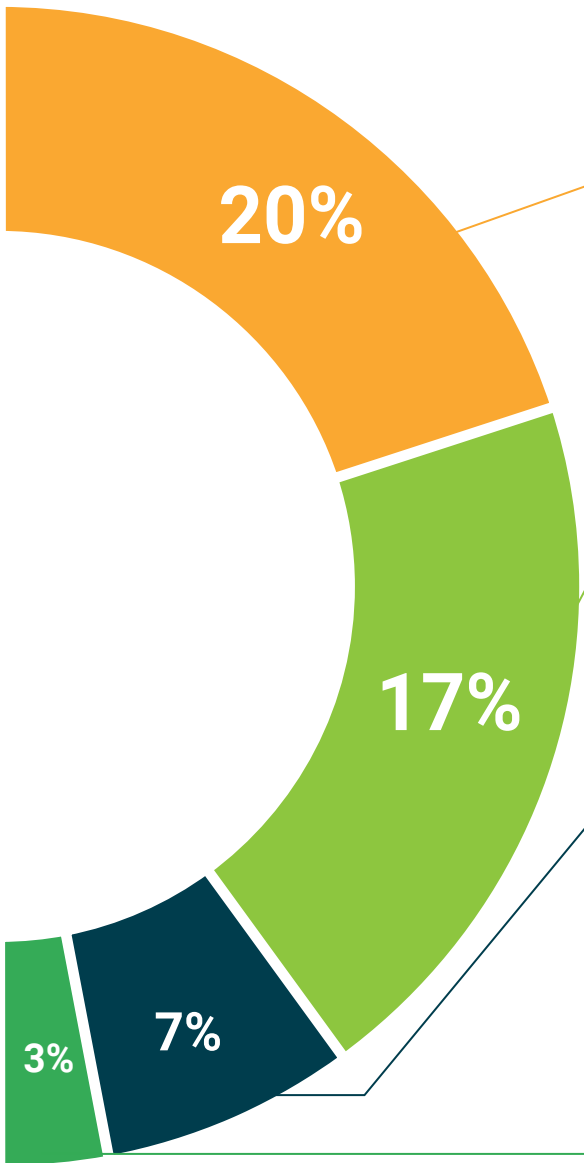


#### Additional Reading

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

The Postgraduate Certificate in Feline Dentistry and Digestive Pathology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Feline Dentistry and Digestive Pathology** 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 Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Feline Dentistry and Digestive Pathology**

Official N° of hours: **150 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 language  
virtual classroom

**tech** technological  
university

**Postgraduate Certificate**  
Feline Dentistry and  
Digestive Pathology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
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