

# Postgraduate Certificate

## Radiology of the Digestive System in Small Animals





## Postgraduate Certificate Radiology of the Digestive System in Small Animals

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

Website: [www.techtute.com/us/veterinary-medicine/postgraduate-certificate/radiology-digestive-system-small-animals](http://www.techtute.com/us/veterinary-medicine/postgraduate-certificate/radiology-digestive-system-small-animals)

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01

# Introduction

One of the main consultations that veterinarians have to deal with are related to digestive pathologies. Sometimes, radiological tests are necessary to identify the disease that the animal is suffering from and, therefore, with this program TECH has proposed to provide professionals with the latest and most relevant information in this field, allowing them to achieve early and effective diagnoses.





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*The performance of radiological tests of the digestive tract requires a high level of training on the part of veterinarians. Therefore, we offer you a unique opportunity to train in this field”*

In most cases, digestive pathologies in animals are easy to recognize and treat by means of anamnesis and simple tests. However, when the underlying pathologies are not the usual ones, problems may arise in the diagnosis, as veterinarians may not be used to working with certain tests or, directly, because the treatments that should work are not effective.

For this reason, TECH wants to offer a high academic level training, including the most relevant information on this field. Specifically, this training course covers the most common and complex pathologies and their diagnosis and management through radiology. In addition, it addresses the limitations of the technique and determines when other complementary imaging tests should be ordered.

In short, it is a program based on scientific evidence and daily practice, with all the nuances that each professional can contribute, so that the student can keep it in mind and compare it with the bibliography and enriched by the critical evaluation that every professional must have in mind.

Throughout this course, the student will learn about all the current approaches to the different challenges posed by his or her profession. A high-level step that will become a process of improvement, not only on a professional level, but also on a personal level. In addition, TECH assumes a social commitment: to help the updating of highly qualified professionals and to develop their personal, social and labor skills during the development of the same. And, to do so, it will not only take you through the theoretical knowledge offered, but will show you another way of studying and learning, more organic, simpler and more efficient. It works to maintain motivation and to create a passion for learning; it encourages thinking and the development of critical thinking.

This **Postgraduate Certificate in Radiology of the Digestive System in Small Animals** contains the most complete and up-to-date Educational program on the market. The most important features of the program include:

- » The development of case studies presented by experts in Veterinary Radiology
- » The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- » Latest developments in Veterinary Radiology
- » Practical exercises where self-assessment can be used to improve learning
- » Special emphasis on innovative methodologies in Veterinary Radiology
- » 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



*Learn in depth about the use of Digestive System Radiology in small animals and apply it to your daily practice"*

“

*We offer you a wide range of theoretical and practical content, with multimedia exercises, which will make your study more understandable”*

Its teaching staff includes professionals belonging to the veterinary field, who contribute their work experience to this training, as well as renowned 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 different professional practice situations that arise during the program. For this purpose, the professional will be assisted by an innovative system of interactive videos made by renowned and experienced experts in Veterinary Radiology.

*Our state-of-the-art video system will allow you to conduct a more in-depth study of the subject in a convenient way.*

*The online training offered by TECH provides you with multiple advantages. One of the most important is that you can organize yourself.*

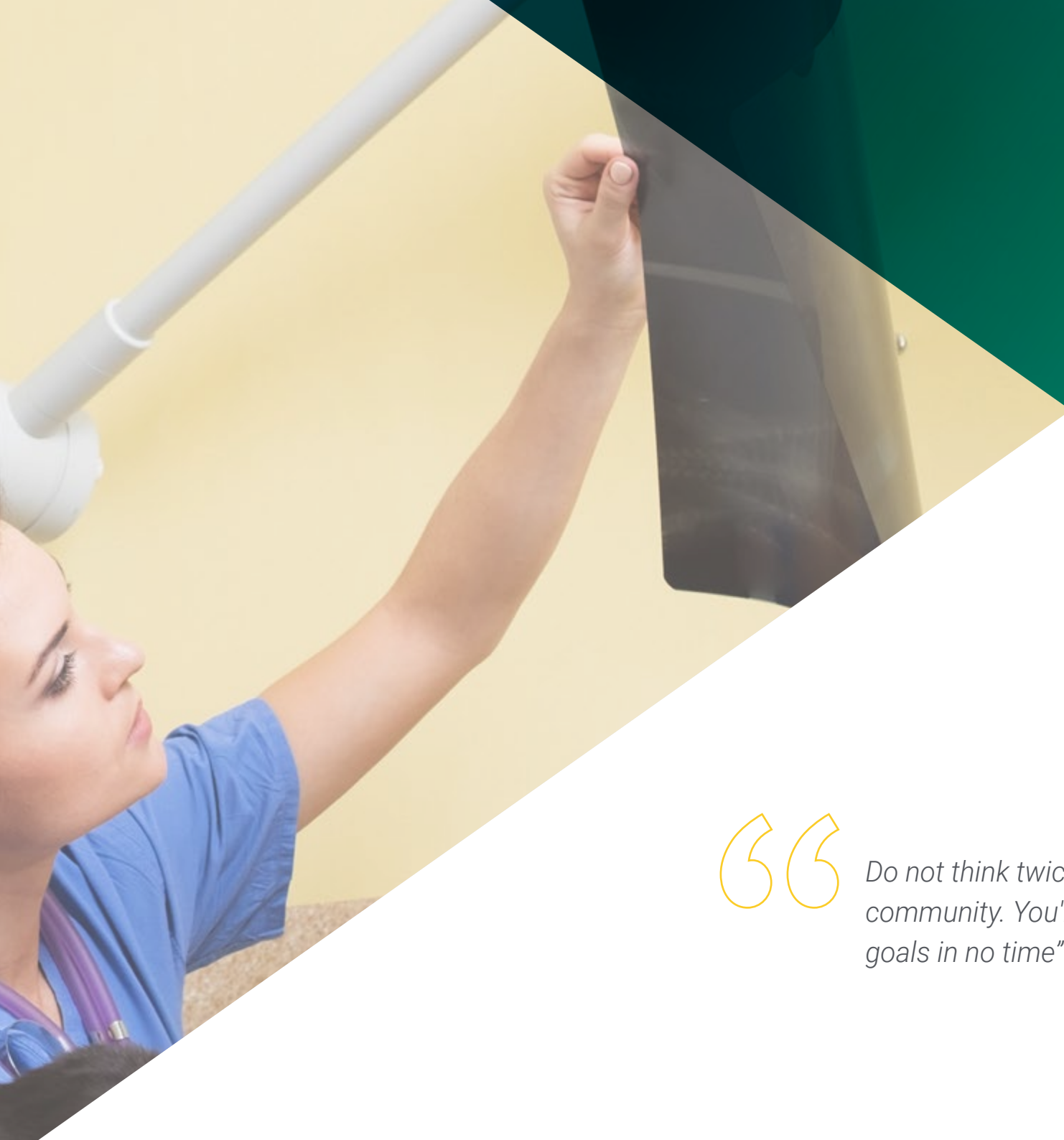


# 02 Objectives

The main objective of TECH when offering specific training in the veterinary field is that professionals are able to care for animals with full guarantees of success. For this reason, we offer a program with fully up-to-date information and in which you can find the latest practices.







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*Do not think twice and join our educational community. You'll reach your academic goals in no time”*



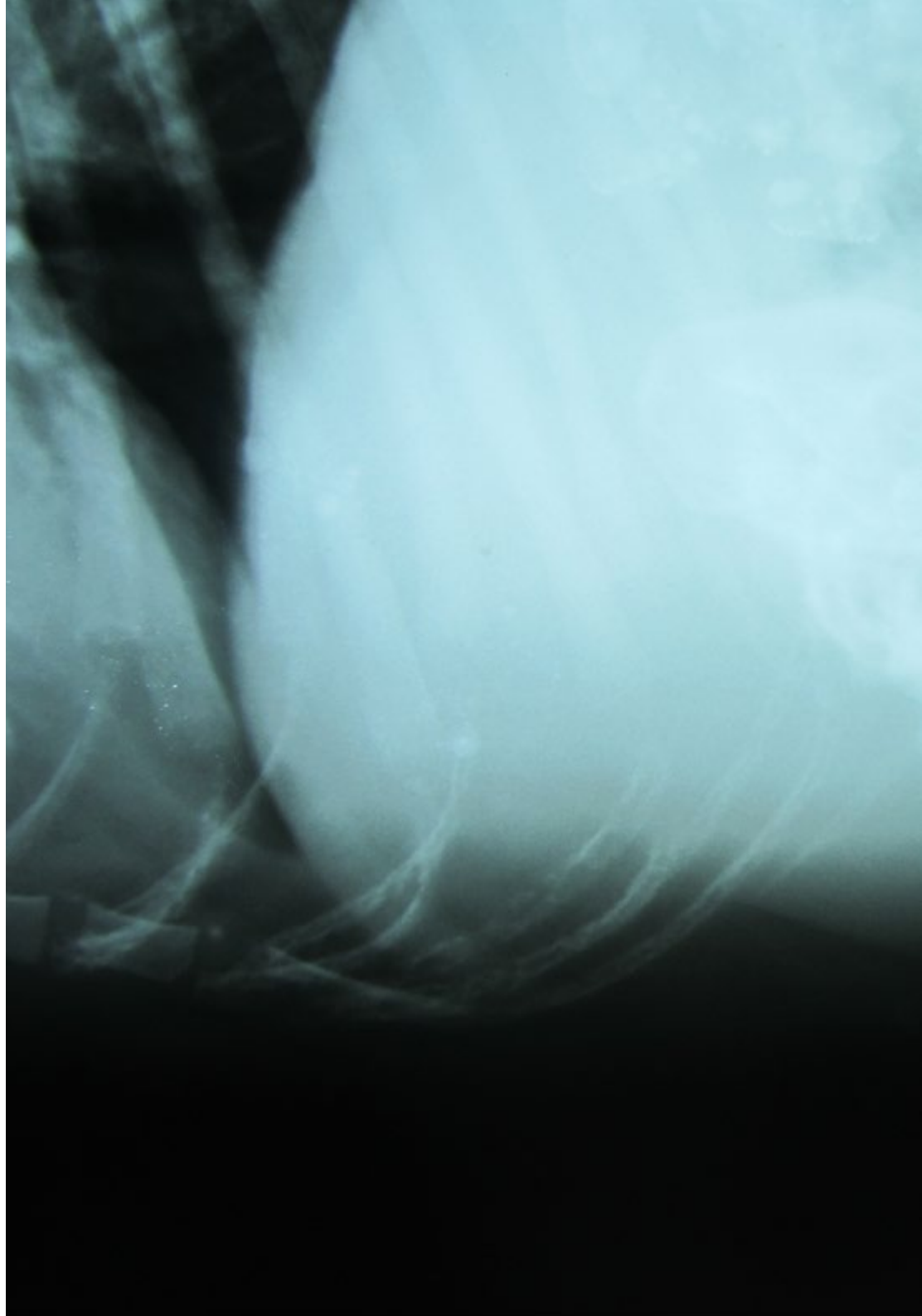
## General Objectives

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- » Examine the most frequent pathologies that we can diagnose through the use of Radiology
- » Determine the diagnostic method of digestive diseases and the tests of choice for each moment
- » Analyze how to optimize the diagnosis and the limitations of each technique



*A path to achieve training and professional growth that will propel you towards a greater level of competitiveness in the employment market"*





## Specific Objectives

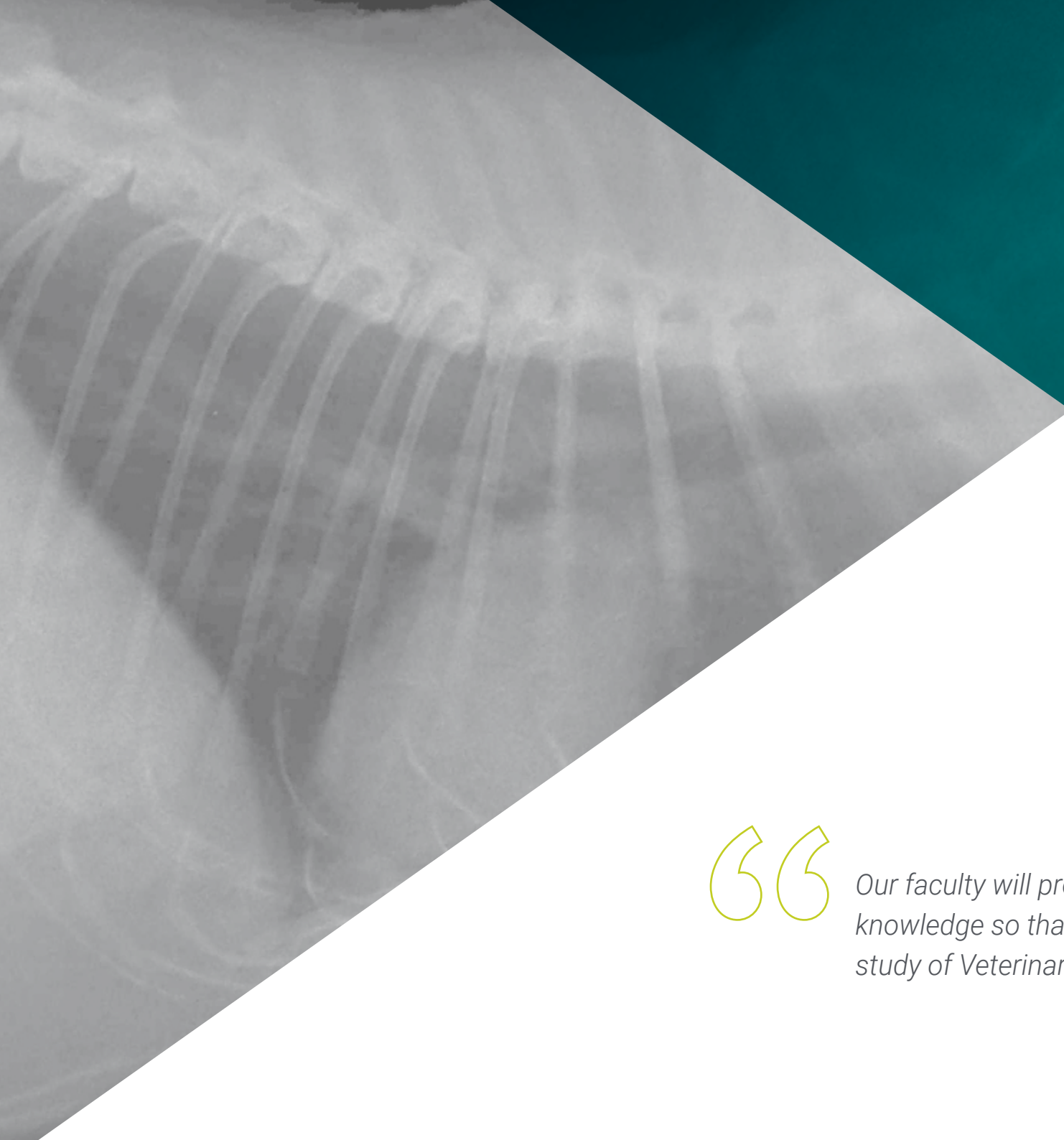
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- » Radiological assessment of the most frequent pathologies of the esophagus, stomach, small intestine and colon
- » Improve the radiological technique by means of the most frequent positionings
- » Determine the limitations of radiology and the uses of complementary techniques to make accurate diagnosis

03

# Course Management

The teaching team, formed by professionals of reference in the veterinary field and with years of experience both in consultation and teaching, will provide detailed information in Veterinary Radiology in Small Animals. A unique opportunity that will help you grow professionally.



“

*Our faculty will provide you with all their knowledge so that you can advance in the study of Veterinary Radiology”*

## Management



### Dr. Gómez Poveda, Bárbara

- ♦ Parque Grande Veterinary Clinic. General veterinary
- ♦ Veterinary emergencies Las Rozas, Madrid. Emergency and hospitalization service
- ♦ Barvet – Veterinary at home Mobile Veterinary Director. (Madrid)
- ♦ Parla Sur Veterinary Hospital. Emergency and hospitalization service
- ♦ Veterinary Degree. Complutense University of Madrid
- ♦ Postgraduate in Small Animal Surgery (GPCert SAS). Madrid Improve International
- ♦ Online postgraduate course in Small Animal Clinic. Autonomous University of Barcelona



## Professors

### Dr. Conde Torrente, María Isabel

- » Head of the Diagnostic Imaging and Cardiology Service at Alcor Veterinary Hospital. Currently
- » Degree in Veterinary Medicine from the University of Santiago de Compostela in 2012 with a certified European degree
- » Advanced Postgraduate Course in Diagnostic Imaging (Computerized Axial Tomography). TCESMD. 2019
- » Postgraduate in Diagnostic Imaging (GPCert- DI) 2016
- » Training courses on clinical and laboratory analysis to veterinarians at Alberto Alcocer Veterinary Hospital
- » Medical Director and head of the Advanced Diagnostic Imaging Service at Grupo Peñagrande. 2017-2019
- » Head of the Diagnostic Imaging Service at Centro Veterinario Mejorada. 2016-2017
- » Responsible for diagnostic services at Hospital Veterinario Alberto Alcocer. 2013-2016

### Dr. Nieto Aldeano, Damián

- » Responsible for the Radiology service. Las Tablas and Diagnosfera (Madrid)
- » Graduated in 2013 from the University of Murcia. Academic Training
- » General Practitioner Certificate in Diagnostic Imaging by the ESVPS in 2018.
- » Intern in Veterinary Hospital "Città di Pavia" in Pavia (Italy)
- » Radiology and ultrasound, internal medicine, interpretation of analytical tests, hospitalization, anesthesia, on-site and off-site emergencies. Clinics and hospitals in the country
- » Course in abdominal ultrasound in small animals
- » Course in Cytology of internal organs, eyes, ears and ganglia

04

# Structure and Content

The contents of this Postgraduate Certificate in Radiology of the Digestive System in Small Animals have been designed by a team of university experts, backed by their years of experience. In this way, they have been in charge of programming a totally up-to-date syllabus aimed at the professional of the 21st century, who demands high quality training and knowledge of the main innovations in the field.





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*Immerse yourself in the study of a high quality teaching program, where you will find the most up-to-date information of the moment”*

## Module 1. Radiodiagnosis of the Digestive System

- 1.1. Radiological Diagnosis of the Esophagus
  - 1.1.1. Radiology of the Normal Esophagus
  - 1.1.2. Radiology of the Pathologic Esophagus
- 1.2. Radiology of the Stomach
  - 1.2.1. Radiology and Positioning for the Diagnosis of Gastric Diseases
  - 1.2.2. Volvulus of Stomach
  - 1.2.3. Hiatal Hernias
  - 1.2.4. Gastric Tumors
  - 1.2.5. Foreign Bodies
- 1.3. Small Bowel Radiology
  - 1.3.1. Duodenum
  - 1.3.2. Jejunum
  - 1.3.3. Ileum
- 1.4. Ileocecal Valve Radiology
  - 1.4.1. Physiological Imaging of the Valve
  - 1.4.2. Pathological Imaging
  - 1.4.3. Common Pathologies
- 1.5. Colon Radiology
  - 1.5.1. Radiological Anatomy of the Colon
  - 1.5.2. Oncologic Diseases of the Colon
  - 1.5.3. Megacolon
- 1.6. Rectal Radiology
  - 1.6.1. Anatomy
  - 1.6.2. Diverticula
  - 1.6.3. Neoplasms
  - 1.6.4. Displacements





- 1.7. Radiological Imaging of Perineal Hernia
  - 1.7.1. Anatomical Structuring
  - 1.7.2. Abnormal Radiological Images
  - 1.7.3. Contrasts
- 1.8. Radiological Oncology of Perineal Region
  - 1.8.1. Structures Affected
  - 1.8.2. Lymph Node Examination
- 1.9. Radiological Contrasts Applied to the Digestive System
  - 1.9.1. Barium Swallowing
  - 1.9.2. Barium Intake
  - 1.9.3. Nemogastrography
  - 1.9.4. Barium Enema and Double Contrast Enema
  - 1.9.5. Radiological Assessment of the Surgical Progression of Diseases of the Stomach
- 1.10. Radiological Assessment of the Surgical Progression of Diseases of the Stomach
  - 1.10.1. Future Dehiscence
  - 1.10.2. Transit Alterations
  - 1.10.3. Surgical Reintervention Decision-Making
  - 1.10.4. Other complications



*A unique training experience  
that will help you achieve  
professional excellence”*

05

# Methodology

This training program offers 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. 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 Harvard 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

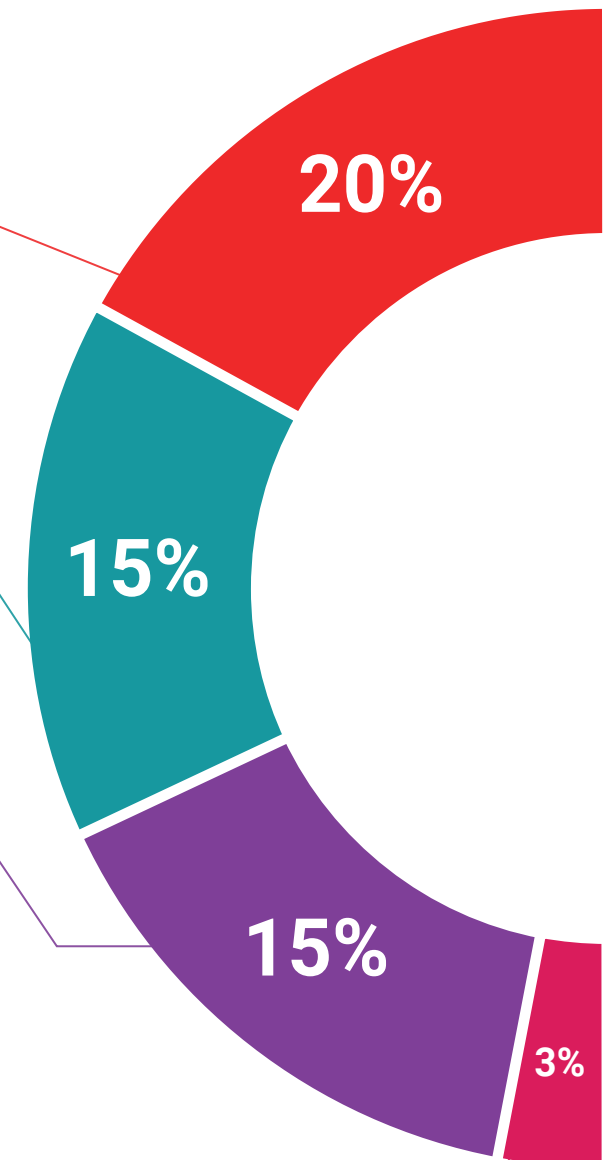
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

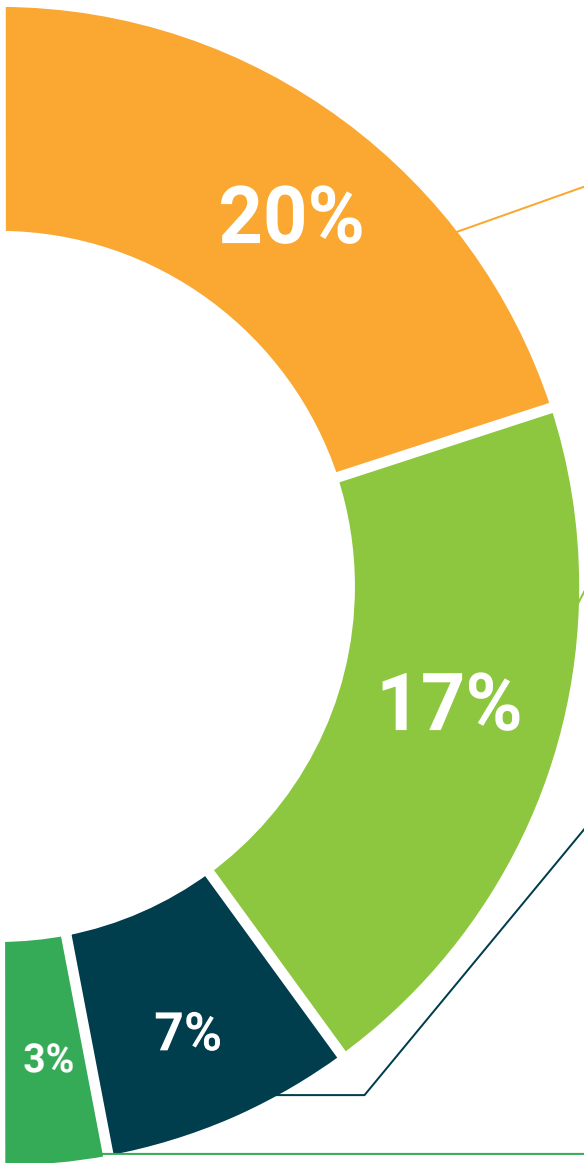
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### 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 your 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 Radiology of the Digestive System in Small Animals guarantees, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH Global University.





*Include in your training the Postgraduate Certificate in Radiology of the Digestive System System in Small Animals: a highly qualified added value for any professional in this field"*

This program will allow you to obtain your **Postgraduate Certificate in Radiology of the Digestive System 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 Radiology of the Digestive System in Small Animals**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*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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