

# Postgraduate Certificate

## Management of Dermatological Emergencies in Small Animals





## Postgraduate Certificate Management of Dermatological Emergencies in Small Animals

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/veterinary-medicine/postgraduate-certificate/management-dermatological-emergencies-small-animals](http://www.techtute.com/us/veterinary-medicine/postgraduate-certificate/management-dermatological-emergencies-small-animals)

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# 01

# Introduction

Dermatological emergencies can seriously compromise the patient's life. In cases of burns, for example, an immediate, appropriate and precise intervention requires the professional to have a good compendium of up-to-date knowledge. The initial examination, assessment, stabilization and all the necessary therapeutic measures will be addressed in this complete program, offering the professionals an invaluable way to update and improve.





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*Acquire the necessary skills to act as an expert in the area of Dermatological Emergencies in Small Animals, with the mastery of the latest techniques and advances in this intervention”*

In emergency medicine there is a series of understandings, procedures and techniques which are common in the majority of cases, independent of the specialty or specialties involved in each case.

If we were to survey veterinary students or general veterinarians with little experience in emergency medicine and ask them which emergencies they consider the most serious and most frequent, we would most likely find on the list poisoning, cesarean sections or gastric dilatation-torsion; but it is very likely that we would find few or very few references to dermatologic emergencies.

However, in daily practice, dermatological emergencies constitute a very high percentage of emergencies and, although many of them are not serious in terms of the patient's life, many others require immediate attention because they seriously compromise the patient's life and the prognosis worsens as time goes by without medical attention; for example, reactions to drugs, angioedema or burns.

Thus, this Postgraduate Certificate will deal with the care of a patient with dermatological emergencies from arrival at the emergency department, initial stabilization, as well as anamnesis, examination, complementary tests and medical treatment. In short, TECH offers a complete overview of all the areas of knowledge that professionals need to provide quality emergency care.

“*Get comprehensive training in all aspects of dermatologic emergency intervention through this highly effective educational program*”

This **Postgraduate Certificate in Management of Dermatological Emergencies in Small Animals** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ◆ The latest technology in online teaching software
- ◆ Intensely visual teaching system, supported by graphic and schematic contents, easy to assimilate and understand
- ◆ Practical cases presented by practicing experts
- ◆ State-of-the-art interactive video systems
- ◆ Teaching supported by telepractice
- ◆ Continuous updating and recycling systems
- ◆ Autonomous learning: full compatibility with other occupations
- ◆ Practical exercises for self-assessment and learning verification
- ◆ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ◆ Communication with the teacher and individual reflection work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection
- ◆ Supplementary documentation databases are permanently available, even after the program

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*Our innovative telepractice concept will provide you with faster integration and a much more realistic view of the content: Learning from an expert”*

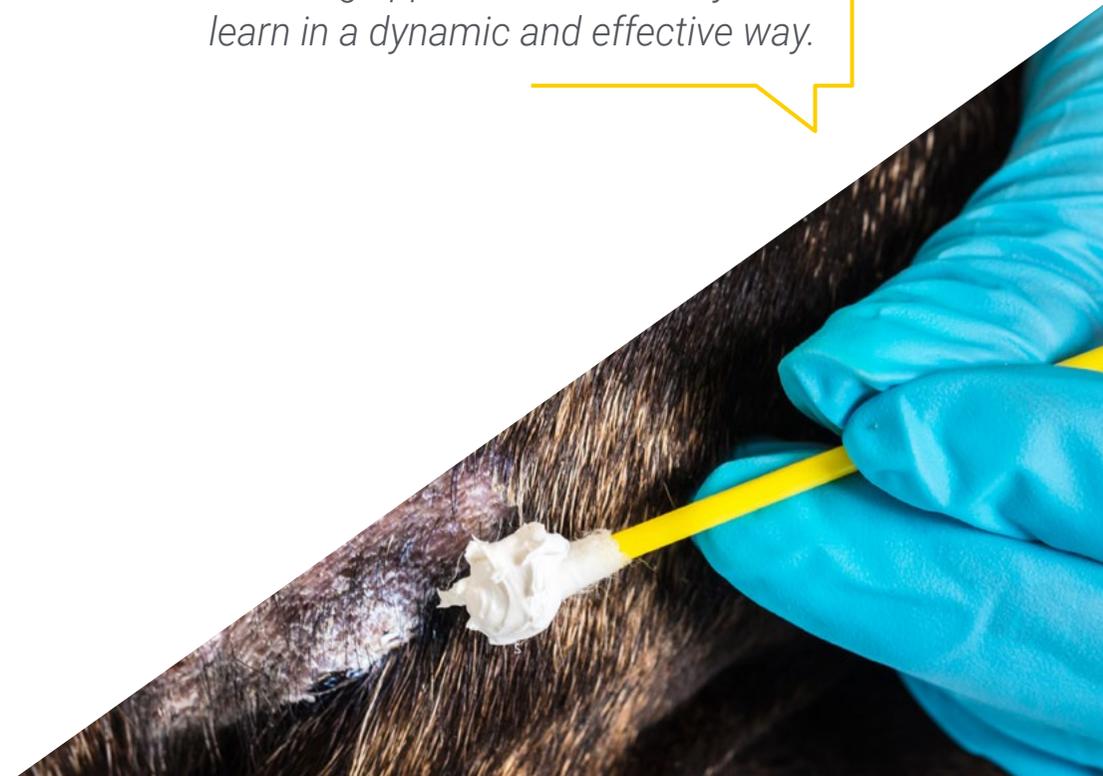
The teaching staff includes teaching professionals who contribute their experience to this educational program, as well as renowned specialists belonging to leading societies and prestigious universities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professionals a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

The design of this program is based on problem-based learning, by means of which the professionals must try to solve the different professional practice situations that arise throughout the course. For this purpose, the physicians will be assisted by an innovative interactive video system developed by renowned experts in the field of veterinary medicine who have extensive teaching experience.

*With the experience of veterinarians specializing in the different branches of the small animal veterinary clinic.*

*A high intensity Postgraduate Certificate that will take you through different teaching approaches to allow you to learn in a dynamic and effective way.*



# 02 Objectives

The Postgraduate Certificate in Management of Dermatological Emergencies in Small Animals compiles the most current knowledge based on the latest scientific research. Thus, the main goal of TECH is that the veterinary professionals can deal with all the emergencies that arise, both in a center dedicated exclusively to emergency medicine and in a generalist center where this service is available.





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*Our goal is simple: to provide you with the knowledge and skills necessary to increase your competence in veterinary dermatological emergency care”*



## General Objectives

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- ♦ Acquire knowledge and fundamental skills related to the initial patient care and the necessary diagnostic and therapeutic procedures used in the most common accident and emergency situations in the emergency department
- ♦ Identify the main emergency situations related to respiratory pathology
- ♦ Establish the fundamental knowledge and skills needed to care for patients with respiratory problems with the aim of improving the specific skills needed in this professional field
- ♦ Demonstrate the action procedures in emergency respiratory situations by mastering the available therapeutic procedures
- ♦ Establish the knowledge and skills that the veterinary professional needs to care for a patient with cardiovascular problems, with the aim of improving the specific skills needed in this professional field
- ♦ Analyze the main dermatological diseases in the field of Veterinary Science
- ♦ Develop the different dermatological treatments in Clinical Veterinary
- ♦ Develop the most advanced knowledge in ophthalmologic emergencies as a reference for the diagnosis and treatment of the most common ophthalmologic diseases in small animals
- ♦ Gain a deeper understanding of the most advanced treatment and therapy in gastrointestinal emergencies in small animals
- ♦ Establish the fundamental knowledge and skills needed to care for a patient with gastrointestinal problems, with the aim of improving the specific skills needed in this professional field
- ♦ Compile the knowledge and skills needed to care for a patient with hematologic and/ or oncologic emergency problems, with the aim of improving the specific skills needed in this professional field
- ♦ Offer the most appropriate treatments or therapies for patients with hematologic and/or oncologic emergency problems after performing correct anamnesis and the initial evaluation
- ♦ Establish the action protocol for patients in pain or with behavioral problems according to the latest scientific advances
- ♦ Gain a deeper understanding of the most appropriate medical-surgical techniques for patients with nephrological, urological and/or reproductive problems
- ♦ Offer the most up-to-date treatments for patients with metabolic and/or toxicologic problems according to the latest research in the field



*An avenue for education and professional growth that will propel you towards greater competitiveness in the labor market”*



## Specific Objectives

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- ◆ Perform the correct triage of patients who arrive at the emergency department
- ◆ Assess, manage and provide primary care to patients in the emergency
- ◆ Establish management guidelines to facilitate working with difficult patients (aggressive, fearful, etc.)
- ◆ Improve knowledge of anesthesia and analgesia in order to successfully perform a sedation, anesthesia and/or pain control procedure in critical patients
- ◆ Highlight the most common medication and treatments used in emergency medicine and their practical application
- ◆ Establish the diagnostic imaging tests and their practical application in emergency medicine in small animals
- ◆ Specify the characteristics and operation of an intensive care unit in small animal veterinary medicine
- ◆ Implement medical protocols in each critical situation to facilitate proper patient management
- ◆ Specify the patients which require specialized care in the intensive care unit
- ◆ Establish the management of nutritional therapy and metabolic support in patients in the Intensive Care Unit (ICU)
- ◆ Perform and interpret the most commonly used complementary tests in veterinary dermatology, such as scrapings, cytology, use of UV lamps, Scotch test, trichogram, etc
- ◆ Establish differential diagnoses based on patient symptoms and the results of the tests performed: physical examination, laboratory and imaging tests
- ◆ Administer drugs to patients with severe dermatological lesions (burns, toxic products, etc.)

03

# Course Management

In its commitment to academic excellence, TECH has selected the best faculty for this program. They are specialists in the field with extensive knowledge in the field of small animal emergencies, which they make available for the development of the program. Thus, the veterinarians who wish to take this Postgraduate Certificate will find in its contents relevant, accurate and updated information, developed by the best minds in the sector.



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*Leading professionals in the field have come together to teach the latest advances in Management of Dermatological Emergencies in Small Animals”*

## Management



### Dr. Quintana Diez, Germán

- ♦ Founder, CEO Veterinary Specialist at Wairua Genetics
- ♦ Coordinator of the Dermatology and Behavioral Medicine Services at the Polyclinic A Marosa Veterinary Center
- ♦ Veterinarian in Hospital Clínico Universitario Rof Codina
- ♦ PhD in Veterinary Medicine from the USC
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Master's Degree in Small and Exotic Animals from USC
- ♦ Master's Degree in Clinical Ethology and Animal Welfare from UCM
- ♦ Member of: ESVD, ESVCE, AVEPA

## Professors

### Dr. Beceiro Hermida, Óscar

- ♦ Head of Kavuré Veterinary Hospital
- ♦ Veterinarian at the Kavuré Veterinary Clinic
- ♦ Speaker at various veterinary-related congresses
- ♦ Degree in Veterinary Medicine from the University of Santiago de Compostela
- ♦ Master's Degree in Clinical Ethology and Animal Welfare at Universidad of Zaragoza
- ♦ Postgraduate in *Animal Behavioral Medicine at Improve Veterinary Education*
- ♦ Multi-species Behavior Modification Technician from the Bocalán Foundation- The Dog Trainers Factory



# 04

## Structure and Content

The development of this program has been carried out, in accordance with the academic efficiency criteria offered by TECH. Through a complete and concrete syllabus, the professionals will be able to go through the different learning areas proposed, gradually acquiring the necessary skills to put the necessary knowledge into practice. This is a very well developed learning scheme that will allow you to learn in a continuous, efficient and adjusted to your needs.





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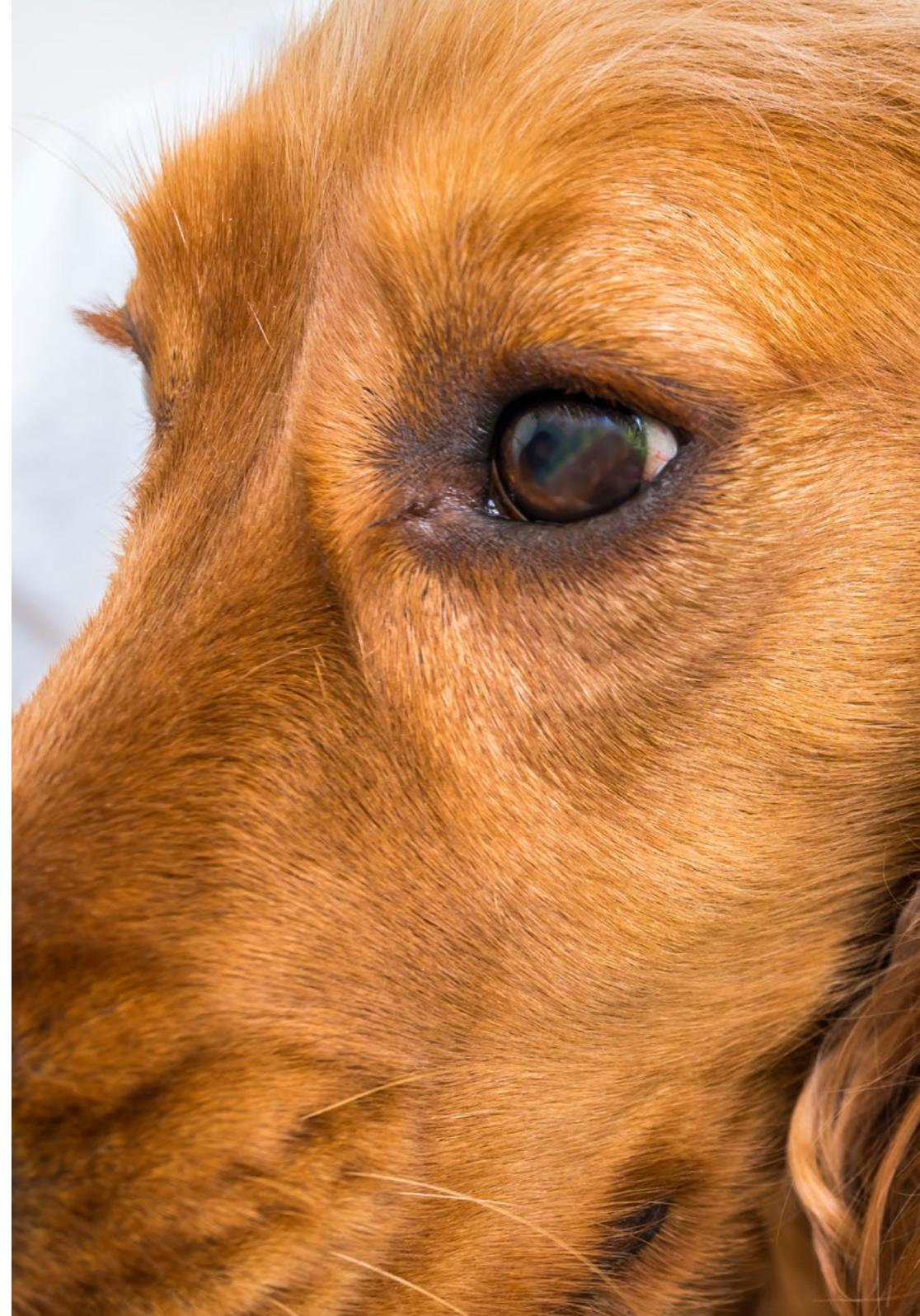
*This Postgraduate Certificate in Management of Dermatological Emergencies in Small Animals contains the most complete and up-to-date scientific program on the market”*

### Module 1. Introduction to Emergency Medicine in Small Animals

- 1.1. Triage and Initial Assessment
- 1.2. Initial Assessment
- 1.3. Primary Care and Management of Emergency Patients
- 1.4. Management of Difficult Canine Patient
- 1.5. Management of Difficult Feline Patient
- 1.6. Anesthesia and Analgesia in Emergency Patients
- 1.7. Pharmacology in Emergency Patients
- 1.8. Enteral Nutrition
- 1.9. Intensive Care Unit (ICU)
- 1.10. Diagnostic Imaging

### Module 2. Management of Dermatological Emergencies

- 2.1. General Considerations
- 2.2. Wound Management
- 2.3. Burn Treatment
- 2.4. Canine Toxic Shock Syndrome
- 2.5. Pyotraumatic Dermatitis (Hot Spot) and Wet Tail Syndrome
- 2.6. Urticaria/Angioedema
- 2.7. Juvenile Cellulitis
- 2.8. Abscesses
- 2.9. Otohematoma/Otitis Externa
- 2.10. Erythema Multiforme Complex (EM), Stevens-Johnson Syndrome (SJS) and Toxic Epidermal Necrolysis (TEN)





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*A very complete teaching program, structured in teaching units of great impact, oriented to a learning process compatible with your personal and professional life”*

# 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.





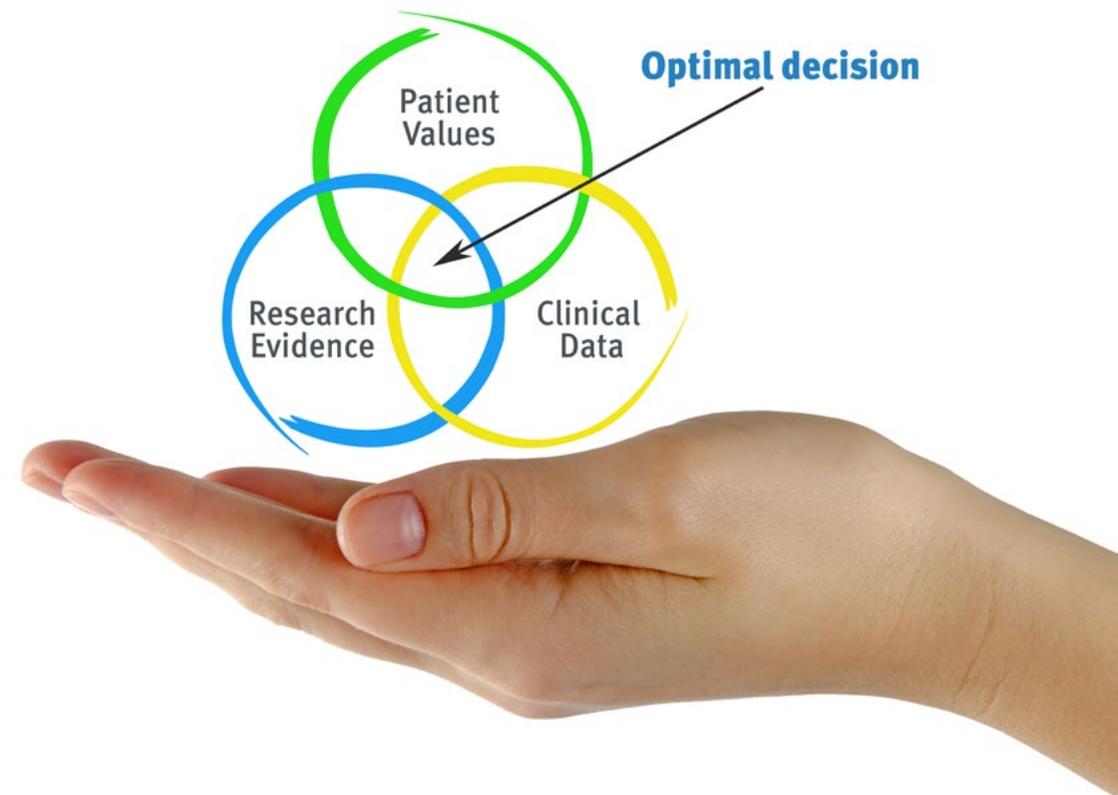
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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. 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

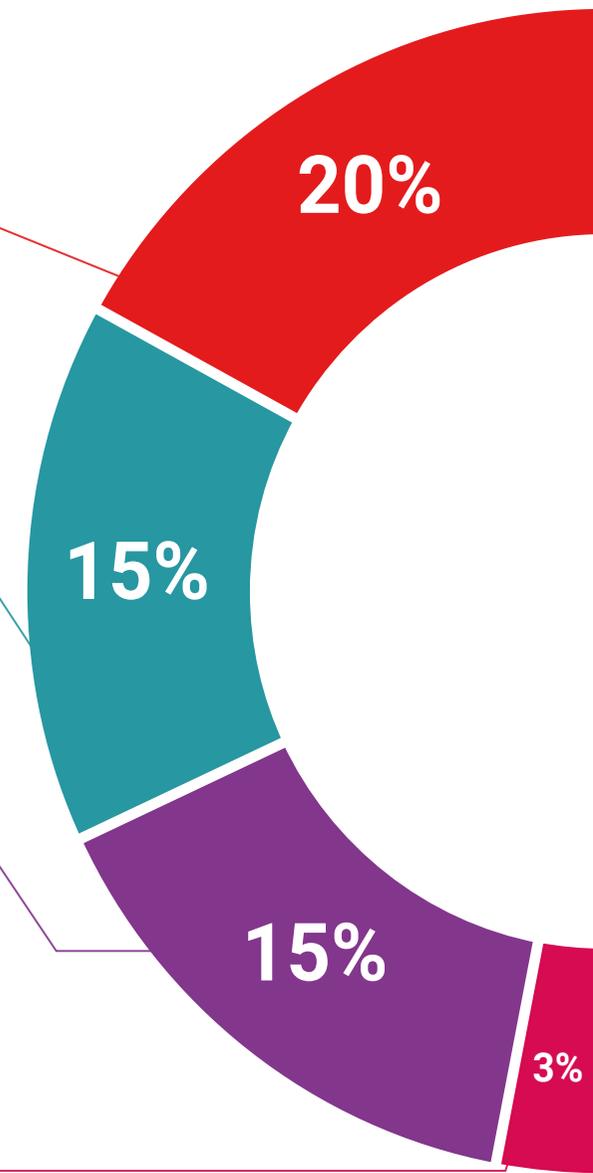
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

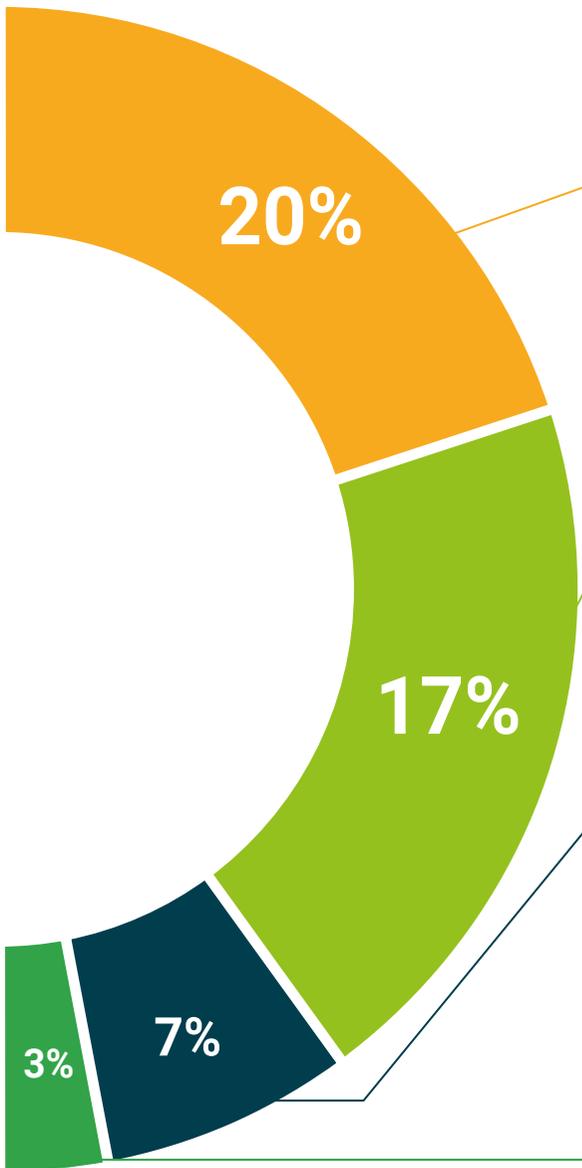
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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

The Postgraduate Certificate in Management of Dermatological Emergencies in Small Animals 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 Management of Dermatological Emergencies in Small 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 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 Management of Dermatological Emergencies in Small Animals**

Official N° of hours: **300 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.



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