

Postgraduate Diploma
Management of
Cardiorespiratory
Emergencies in Small
Animals





Postgraduate Diploma Management of Cardiorespiratory Emergencies in Small Animals

Course Modality: **Online**

Duration: **6 months**.

Certificate: **TECH - Technological University**

18 ECTS Credits

Teaching Hours: **450 hours**.

Website: techtitute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-management-cardiorespiratory-emergencies-small-animals

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01

Introduction

One of the characteristics of emergency department care is the need for very rapid and precise intervention. In many cases, patients with over-acute cardiorespiratory processes such as pneumonia or pulmonary thromboembolism will be received in the emergency department. In many other cases, these will be patients with aggravated or secondarily complicated chronic processes.

However, there are many other ailments with an acute or over-acute course in which the patient, in many cases, will have no medical history to provide information to the clinician, so a complete battery of tests will be necessary to reach a diagnosis.

In this complete training we will develop the most advanced protocols in emergency intervention in these areas, training the professional for a high quality intervention.



A close-up photograph of a dog's back, showing its brown and black speckled fur. A person wearing blue scrubs is partially visible in the background, suggesting a veterinary or medical setting. The image is overlaid with a large teal and white geometric graphic that divides the page.

“

Acquire the skills of an expert in the area of cardiorespiratory emergencies, with the most up-to-date knowledge and the latest advances in intervention with this high-intensity Postgraduate Diploma."

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.

We will show you how to approach patients who arrive at the center with acute problems such as pneumonia or pulmonary thromboembolism, or with aggravated or complicated secondary chronic problems, such as feline patients with asthma or dogs with heart failure and respiratory complications.

Another of the aspects which we address in this training's degree is caring for patients with cardiovascular disease from their arrival at the emergency center, their initial stabilization, anamnesis and examination to the complementary tests and subsequent medical treatment.

In short, we offer you a complete tour of all the areas of knowledge you need to provide quality emergency care.

The topics and clinical cases proposed, as well as their resolution, are based on the practical experience of the teachers and on the cases most frequently seen in emergency veterinary services.

All information is presented through high-quality multimedia content, analysis of clinical cases prepared by teachers, master classes and video techniques that allow the exchange of knowledge and experience, maintain and update the skill level of its members, create protocols for action and disseminate the most important developments in the emergencies within medicine of small animals.

This **EXPERT Certificate in Management of Cardiorespiratory Emergencies in Small Animals** offers you the characteristics of a course of high scientific, teaching and technological level. These are some of its most notable features:

- ◆ Latest technology in online teaching software.
- ◆ Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand.
- ◆ Practical cases presented by practising experts.
- ◆ State-of-the-art interactive video systems.
- ◆ Teaching supported by telepractice.
- ◆ Continuous updating and recycling systems.
- ◆ Self-regulating learning: full compatibility with other occupations.
- ◆ Practical exercises for self-evaluation 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 course.



The latest advances and approach techniques in the small animal veterinary emergency service in a specific and complete training".

“ *The knowledge necessary to act with the necessary speed in the care of patients with Cardiorespiratory Emergencies compromise.*”

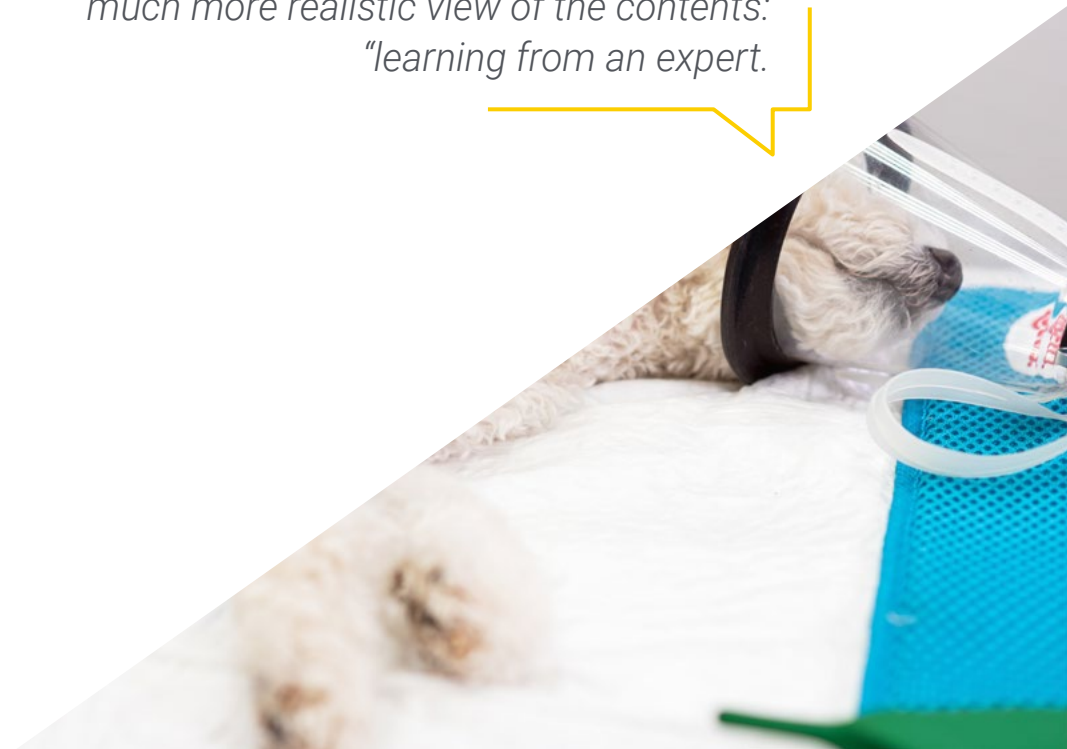
Our teaching staff is made up of professionals from different fields related to this specialty. In this way, we ensure that we provide you with the training update we are aiming for. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Expert. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

This Postgraduate Diploma in Management of Cardiorespiratory Emergencies in Small Animals is based on the use of a highly efficient methodology that reduces the time required.

Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: “learning from an expert.”



02

Objectives

This Postgraduate Diploma in Management of Cardiorespiratory Emergencies in Small Animals compiles the most current knowledge based on the latest scientific research. Our ultimate goal is that the veterinary professional can deal with practically 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 objective is simple: provide you will the knowledge and skills needed to increase your competency in emergency veterinary care.



General Objectives

- Acquire knowledge and fundamental skills related to the initial attention of the patient and the necessary diagnostic and therapeutic procedures in the most common emergency situations.
- Identify the main emergency situations related to respiratory pathology.
- Establish the fundamental knowledge and skills needed to care for a patient with respiratory problems with the aim of improving the specific skills needed in this professional field.
- Demonstrate the action procedures in emergency respiratory situations, with command of the treatment 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.





Specific Objectives

Module 1.

- ♦ Perform the correct triage of patients who arrive at the emergency department.
- ♦ Assess, manage and provide primary care to patients in the emergency department.

Module 2.

- ♦ Identify the main emergency situations in clinical practice that are related to respiratory pathology.
- ♦ Perform correct anamnesis and physical examination to make an accurate diagnosis. Perform stabilization techniques in patients with respiratory problems (thoracic drainage, intubation etc.)
- ♦ Interpret the most commonly used diagnostic imaging tests in respiratory emergencies.
- ♦ Administer drugs to patients with respiratory problems.
- ♦ Perform cardiopulmonary resuscitation procedures based on consensus and latest scientific evidence.

Module 3.

- ♦ Perform and interpret routine complementary tests in a patient with cardiovascular problems. These could include ECG, blood pressure measurement using different types of non-invasive measuring devices, oxygen saturation measurement, etc.
- ♦ Perform a diagnosis based on the data from the physical examination and laboratory tests, ECG and the diagnostic imaging tests.
- ♦ Administer drugs to patients with cardiovascular problems.
- ♦ Perform stabilization techniques in patients with cardiovascular problems (CPR, cardioversion, etc.).



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

03

Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.





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Leading professionals in the field have come together to teach you the latest advances in the Management of Cardiorespiratory Emergencies in Small Animals”.

Management



Dr. Quintana Diez, Germán

- ◆ PhD in Veterinary Medicine from the USC
- ◆ Degree in Veterinary Medicine from the USC
- ◆ Coordinator of the Dermatology and Behavioral Medicine Services at the Polyclinic A Marosa Veterinary Center
- ◆ Master's Degree in Small and Exotic Animals from UCM
- ◆ Master's Degree in Clinical Etiology and Animal Welfare from UCM
- ◆ Specialist Degree in Medical Genetics and Genomics from UCAM
- ◆ Member of the European Society of Veterinary Dermatology
- ◆ Member of the European Society of Clinical Veterinary Ethology
- ◆ Member of the Spanish Association of Veterinarians of Pet Animals and member of the AVEPA internal medicine, dermatology and clinical etiology study groups

Professors

Dña. Arenal Duque, Irene

- ◆ Veterinarian in the Breeding Service of the Fundación Once del Perro Guía (Eleven Guide Dogs Foundation)
- ◆ Degree in Veterinary Medicine from the UCM
- ◆ Intern in anesthesia at UCM during the last two years of her career and resident at the HCV UCM
- ◆ Master's Degree in Clinical Etiology and Animal Welfare from UCM
- ◆ Head of Emergency and Hospitalization Services at the VETSIA Veterinary Hospital for 2 years
- ◆ Member of AVEPA and of AVEPA's study groups on clinical ethology (GrETCA) and reproduction (GERPAC)

Basadre González, Tegra

- ◆ Clinical Veterinarian in the Polyclinic A Marosa Veterinary Center
- ◆ Degree in Veterinary Medicine from the USC
- ◆ Postgraduate Degree in Veterinary Ophthalmology from UAB

Beceiro Hermida, Óscar

- ◆ Head of Kavuré Veterinary Hospital
- ◆ Degree and Advanced Study Diploma in Veterinary Medicine from the USC
- ◆ Master's Degree in Animal Behavior and welfare from UZ
- ◆ Postgraduate Degree in Behavioral Medicine and Animal Welfare from Improve Iberica.
- ◆ General Practitioner Certificate in Animal Behavior from the European School of Veterinary Postgraduate Studies
- ◆ Multi-species Behavior Modification Technician from the Bocalán Foundation- The Dog Trainers Factory

Blanco Fraga, Xabier

- ♦ Head of the Soft Tissue Surgery and Traumatology and Orthopedic Surgery Services of the Policlinico A Marosa Veterinary Center
- ♦ Degree in Veterinary Medicine from the UAB
- ♦ Advanced Study Diploma in Veterinary Medicine from the USC
- ♦ Postgraduate Degree in Soft Tissue Surgery from Improve Iberica
- ♦ General Practitioner Certificate in Soft Tissue Surgery from the European School of Veterinary Postgraduate Studies
- ♦ Member of AVEPA and of AVEPA's study group of orthopedics and traumatology

Eimil López, Rodrigo

- ♦ Clinical Veterinarian in A Marosa Veterinary Center in the Internal Medicine and Anesthesia Areas Head of Urology and Dentistry services
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Member of AVEPA

Dña. Ferro López, María

- ♦ Clinical Veterinarian in the Polyclinic A Marosa Veterinary Center in Internal Medicine with special focus on reproductive, neonatal and emergency medicine
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Postgraduate Degree in Small Animal Clinic from UAB

Dña. García Portillo, Susana

- ♦ Degree in Veterinary Medicine from the Complutense University of Madrid, 1999
- ♦ After several years of exclusive dedication to general clinic, started her active training in the field of Behavioral Medicine in 2004
- ♦ Master's Degree in Applied Clinical Etiology and Animal Welfare from the Autonomous University of Barcelona (2008) Member of the Clinical Ethology Group of AVEPA (GrETCA) and of the European Society of Veterinary Clinical Ethology (ESVCE)

Dña. Ibaseta Solís, Patricia

- ♦ Degree in Veterinary Medicine from the USC
- ♦ Coordinator of the Veterinary Team at the Cidade de Lugo Veterinary Hospital and the regional animal blood bank unit
- ♦ Ophthalmology GPCert
- ♦ Master's Degree in Veterinary Ophthalmology from Improve International
- ♦ Feline Medicine GPCert
- ♦ Master's Degree in Feline Medicine from Improve International
- ♦ Expert in Abdominal Ultrasound from Improve International
- ♦ Member of the Spanish Association of Veterinarians of Pet Animals and member of the study groups of feline medicine and internal medicine.

Dña. López Beceiro, Raquel

- ♦ Director of "Physiotherapy and Animal Rehabilitation".
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Graduate in the Basis of Physiotherapy and Animal Rehabilitation from UCM
- ♦ Graduate in Physiotherapy and Rehabilitation in Small Animals from USC
- ♦ Member of AVEPA and of AVEPA's study group in Veterinary Physical Rehabilitation
- ♦ Member of the Spanish Association of Veterinary Specialists in Rehabilitation and Physiatry (AEVEFI)

Dña. López Lamas, Cristina

- ♦ Clinical Veterinarian in the Polyclinic A Marosa Veterinary Center, mainly in the internal medicine unit
- ♦ Head of Cardiology Service at the Polyclinic A Marosa Veterinary Center
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Postgraduate in Clinical Ultrasound from Improve Iberica
- ♦ General Practitioner Certificate in Clinical Ultrasound from the European School of Veterinary Postgraduate Studies
- ♦ Member of AVEPA and of AVEPA's study group in Cardiology

Dña. Pateiro Moure, Ariadna

- ◆ Degree in Veterinary Medicine from the USC with Special Focus in Internal Medicine, specifically Feline Medicine
- ◆ Master's Degree in Feline Medicine from Improve International
- ◆ General Practitioner Certificate in Feline Medicine from the European School of Veterinary Postgraduate Studies
- ◆ Expert in Care Activity in the Veterinary Hospital
- ◆ Member of AVEPA and of AVEPA's study group in Feline Medicine (GEMFE)
- ◆ Has spent periods of time in various centers: San Vicente Veterinary Hospital, Saudevet Veterinary Clinic, Feline Clinic of Barcelona, Nacho Menes Veterinary Hospital and AMUS Wildlife Hospital, Abros Veterinary Hospital and Rof Codina University Veterinary Hospital among others.

Dña. Possess Estévez, Graciela

- ◆ Clinical Veterinarian in Recatelo Veterinary Clinic
- ◆ Degree in Veterinary Medicine from the USC
- ◆ Master's Degree in Food Safety from UNED
- ◆ Senior Technician in Occupational Risk Prevention Higher Level Specialist in Industrial Hygiene, Workplace Safety and Applied Ergonomics and Psychosociology
- ◆ Member of AVEPA and of the oncology, exotic animals and feline medicine specialist groups in AVEPA
- ◆ Member of the International Society of Feline Medicine (ISFM)
- ◆ Co-author of the Occupational Risk Prevention Manual published by the Spanish Association of Veterinary Entrepreneurs



Dr. Quintana Diez, Germán

- ♦ PhD in Veterinary Medicine from the USC
- ♦ Coordinator of the Dermatology and Behavioral Medicine Services at the Polyclinic A Marosa Veterinary Center
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Master's Degree in Small and Exotic Animals from UCM
- ♦ Master's Degree in Clinical Etiology and Animal Welfare from UCM
- ♦ Specialist Degree in Medical Genetics and Genomics from UCAM
- ♦ Member of the European Society of Veterinary Dermatology
- ♦ Member of the European Society of Clinical Veterinary Ethology
- ♦ Member of the Association of Spanish Pet Veterinaries (AVEPA) and member of the AVEPA working groups of internal medicine, dermatology and clinical etholog

Rolle Mendaña, Diego

- ♦ Clinical Veterinarian in the Villalba Veterinary Clinic
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Junior Researcher in UC Davis Veterinary Medicine Teaching & Research Center
- ♦ Has spent periods of time in various centers: Polyclinic A Marosa Veterinary Center, Tomás Bustamante Veterinary Hospital or Gecko Veterinary Clinic

Villar Estalote, Jaime

- ♦ Director of IMAVET and Veterinary Specialist in Neurology and Traumatology
- ♦ Degree in Veterinary Medicine from the USC
- ♦ Member of: SETOV, ESVOT, AVEPA, GEVO, WASAVA, FECAVA, FIAVAC and of the AVEPA study group for neurology and neurosurgery
- ♦ Teacher at Improve International in the General Practitioner Certificate in Physiotherapy as well as General Practitioner Certificate in Small Animal Neurology
- ♦ Has undertaken residencies in the most prestigious centers in Spain, as well as in WSC University and the Royal Veterinary College



An impressive teaching staff, made up of professionals from different areas of expertise, will be your teachers during your training: a unique opportunity not to be missed"

04

Structure and Content

The development of this training has been carried out according to the criteria of effectiveness that we offer you. Through a complete and detailed syllabus you will cover all the essential subject areas, gradually acquiring the necessary skills to put the necessary knowledge into practice. A very well-developed learning structure that will allow you to learn in a continuous, efficient way and which is tailored to your needs.





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This Postgraduate Diploma in the Management of Cardiorespiratory 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. Introduction to Emergency Medicine in Small Animals
 - 1.1.1. Triage and Initial Assessment
 - 1.1.1.1. Remote Triage
 - 1.1.1.2. On-site Triage
 - 1.1.2. Initial Assessment
 - 1.1.2.1. Primary Assessment
 - 1.1.2.2. Secondary Assessment
 - 1.1.3. Primary Care and Management of Emergency Patients
 - 1.1.4. Management of a Difficult Canine Patient
 - 1.1.5. Management of a Difficult Feline Patient
 - 1.1.6. Anesthesia and Analgesia in Emergency Patients
 - 1.1.6.1. Anesthesia in Patients with:
 - 1.1.6.1.1. Respiratory Problems
 - 1.1.6.1.2. Cardiovascular Problems
 - 1.1.6.1.3. Gastrointestinal Problems
 - 1.1.6.1.4. Neurological alterations.
 - 1.1.6.1.5. Behavioral Problems
 - 1.1.6.1.6. Others.
 - 1.1.6.2. Analgesia in Emergency Patients
 - 1.1.6.2.1. Pain Assessment
 - 1.1.6.2.2. Pain Treatment.
 - 1.1.7. Pharmacology in Emergency Patients
 - 1.1.7.1. Fluid Therapy.
 - 1.1.7.2. Antibiotherapy
 - 1.1.7.3. Constant Rate Infusion
 - 1.1.8. Enteral Nutrition.
 - 1.1.8.1. Nasogastric Catheterization
 - 1.1.8.2. Gastroesophageal Catheterization
 - 1.1.9. Intensive Care Unit (ICU)
 - 1.1.9.1. ICU.
 - 1.1.9.2. Patient Monitoring
 - 1.1.10. Diagnostic Imaging
 - 1.1.10.1. Chest X-ray.
 - 1.1.10.2. Chest Ultrasound
 - 1.1.10.3. Abdomen Radiology
 - 1.1.10.4. Abdomen Ultrasound

Module 2. Management of Respiratory Emergencies

- 2.1. Management of Respiratory Emergencies
 - 2.1.1. General Clinical Management
 - 2.1.1.1. Anamnesis
 - 2.1.1.2. Physical Examination
 - 2.1.2. Complementary Diagnostic Procedures
 - 2.1.2.1. Blood Analysis
 - 2.1.2.2. Thoracentesis.
 - 2.1.2.3. Diagnostic Imaging
 - 2.1.2.4. Tracheal and Bronchoalveolar Lavage
 - 2.1.2.5. Magnetic Resonance and Computerized Tomography
 - 2.1.3. Pharmacology in Patients with Respiratory Problems
 - 2.1.3.1. Oxygen Therapy
 - 2.1.3.2. Nebulization
 - 2.1.4. Obstruction of Upper Airways (Pharynx, Larynx and Trachea)
 - 2.1.4.1. Foreign bodies.
 - 2.1.4.2. Elongated Soft Palate and Everted Laryngeal Saculae
 - 2.1.4.3. Laryngeal Paralysis.
 - 2.1.4.4. Laryngeal Spasm
 - 2.1.4.5. Tracheal Laceration
 - 2.1.4.6. Tracheal Collapse.
 - 2.1.5. Pleural Space Diseases (I):
 - 2.1.5.1. Pleural Effusion.
 - 2.1.5.1.1. Chylothorax.
 - 2.1.5.1.2. Hydrothorax
 - 2.1.5.1.3. Pyothorax.
 - 2.1.5.1.4. Feline Infectious Peritonitis (FIP)
 - 2.1.6. Pleural Space Diseases (II)
 - 2.1.6.1. Pneumothorax.
 - 2.1.6.2. Pneumomediastinum
 - 2.1.7. Pleural Space Diseases (III)
 - 2.1.7.1. Diaphragmatic Hernia.
 - 2.1.7.2. Unstable Thorax
 - 2.1.7.3. Penetrating Thoracic Trauma

- 2.1.8. Alterations in the Lower Airways
 - 2.1.8.1. Feline Asthma/ Allergic Bronchitis
 - 2.1.8.2. Smoke Inhalation
- 2.1.9. Diffuse Parenchymal Lung Diseases (I)
 - 2.1.9.1. Pneumonia.
 - 2.1.9.2. Non-cardiogenic Pulmonary Edema
- 2.1.10. Diffuse Parenchymal Lung Diseases (II)
 - 2.1.10.1. Cardiogenic Pulmonary Edema
 - 2.1.10.2. Pulmonary Embolism.
 - 2.1.10.3. Pulmonary Contusion

Module 3. Management of Cardiovascular Emergencies

- 3.1. Management of Cardiovascular Emergencies
 - 3.1.1. General Clinical Management
 - 3.1.1.1. Initial Management
 - 3.1.1.2. Anamnesis
 - 3.1.2. Complementary Diagnostic Procedures
 - 3.1.2.1. Electrocardiogram (ECG)
 - 3.1.2.2. Blood Analysis
 - 3.1.2.3. Diagnostic Imaging
 - 3.1.3. Congestive Heart Failure
 - 3.1.3.1. In Dogs
 - 3.1.3.1.1. Etiopathogenesis.
 - 3.1.3.1.2. Clinical Signs
 - 3.1.3.1.3. Diagnosis.
 - 3.1.3.1.4. Emergency Treatment
 - 3.1.3.2. In Cats
 - 3.1.3.2.1. Etiopathogenesis.
 - 3.1.3.2.2. Clinical Signs
 - 3.1.3.2.3. Diagnosis.
 - 3.1.3.2.4. Emergency Treatment
 - 3.1.4. Cardiac Tamponade / Effusion
 - 3.1.4.1. Etiopathogenesis.
 - 3.1.4.2. Clinical Signs
 - 3.1.4.3. Diagnosis.
 - 3.1.4.4. Emergency Treatment
 - 3.1.5. Dilated Cardiomyopathy
 - 3.1.5.1. Etiopathogenesis.
 - 3.1.5.2. Clinical Signs
 - 3.1.5.3. Diagnosis.
 - 3.1.5.4. Emergency Treatment
 - 3.1.6. Feline Embolism
 - 3.1.6.1. Etiopathogenesis.
 - 3.1.6.2. Clinical Signs
 - 3.1.6.3. Diagnosis.
 - 3.1.6.4. Emergency Treatment
 - 3.1.7. Arrhythmias
 - 3.1.7.1. Supraventricular Tachyarrhythmias
 - 3.1.7.2. Ventricular Arrhythmias
 - 3.1.7.3. Bradyarrhythmias
 - 3.1.8. Systemic Hypertension
 - 3.1.8.1. Etiopathogenesis.
 - 3.1.8.2. Clinical Signs
 - 3.1.8.3. Diagnosis.
 - 3.1.8.4. Emergency Treatment
 - 3.1.9. Heat Stroke
 - 3.1.9.1. Etiopathogenesis.
 - 3.1.9.2. Clinical Signs
 - 3.1.9.3. Diagnosis.
 - 3.1.9.4. Emergency Treatment
 - 3.1.10. Cardiopulmonary Arrest and Cardiopulmonary Resuscitation (CPR)
 - 3.1.10.1. Patient Assessment
 - 3.1.10.2. Medical Treatment.
 - 3.1.10.3. CPR Techniques



A comprehensive teaching program, structured in well-developed teaching units, oriented towards learning that is compatible with your personal and professional life"

05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given clinical situation, what would you do? 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 abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you can 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 potential or because of its uniqueness or rarity. It is essential that the case be based on current professional life, trying to recreate the real conditions in the 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 achieve the assimilation of concepts, but also a development of their mental capacity through exercises to evaluate real situations and the application of knowledge.
2. The learning process has a clear focus on 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.



Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

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

Re-learning 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 to success.

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

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Latest Techniques and Procedures on Video

We bring you closer to the latest Techniques, to the latest Educational Advances, to the forefront of current Veterinary Techniques and Procedures. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

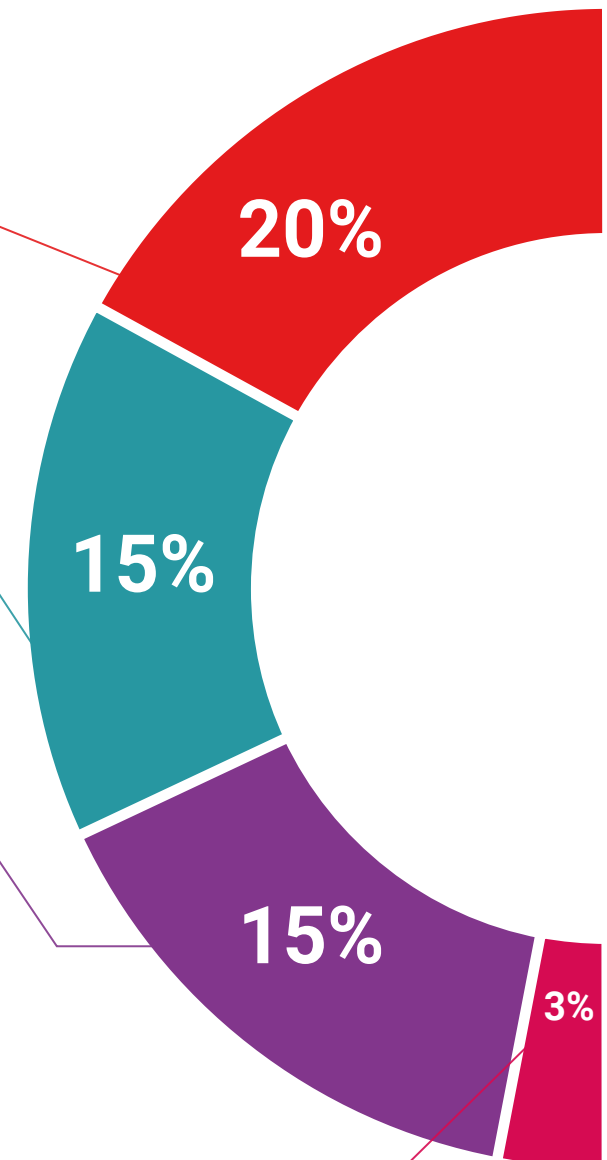
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

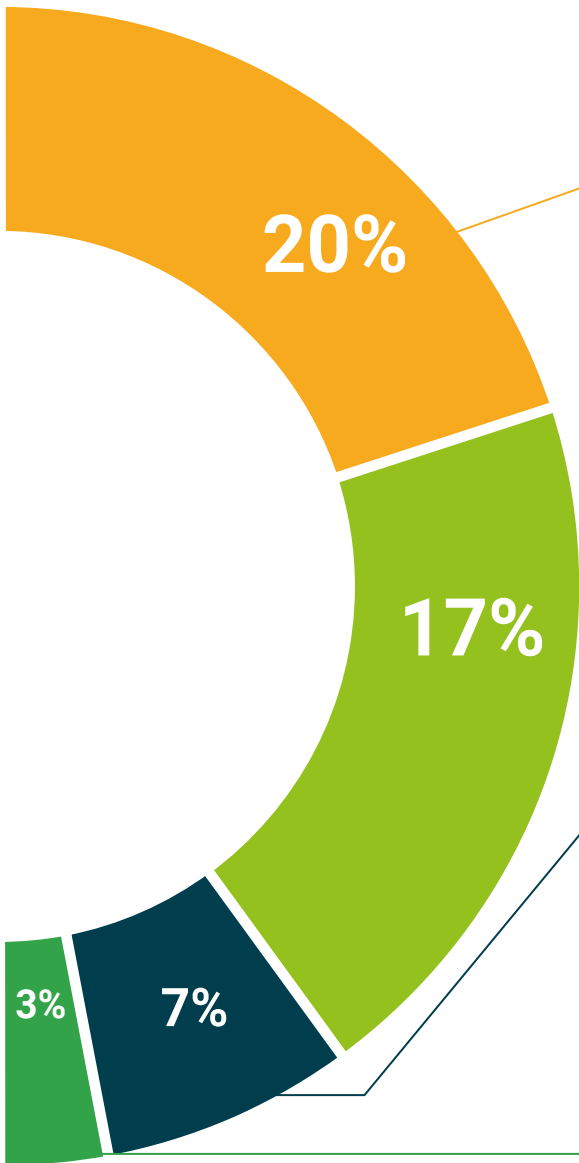
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you 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 our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



“

Include in your training a Postgraduate Diploma in Management of Cardiorespiratory Emergencies in Small Animals: a highly qualified added value for any professional in this area".

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

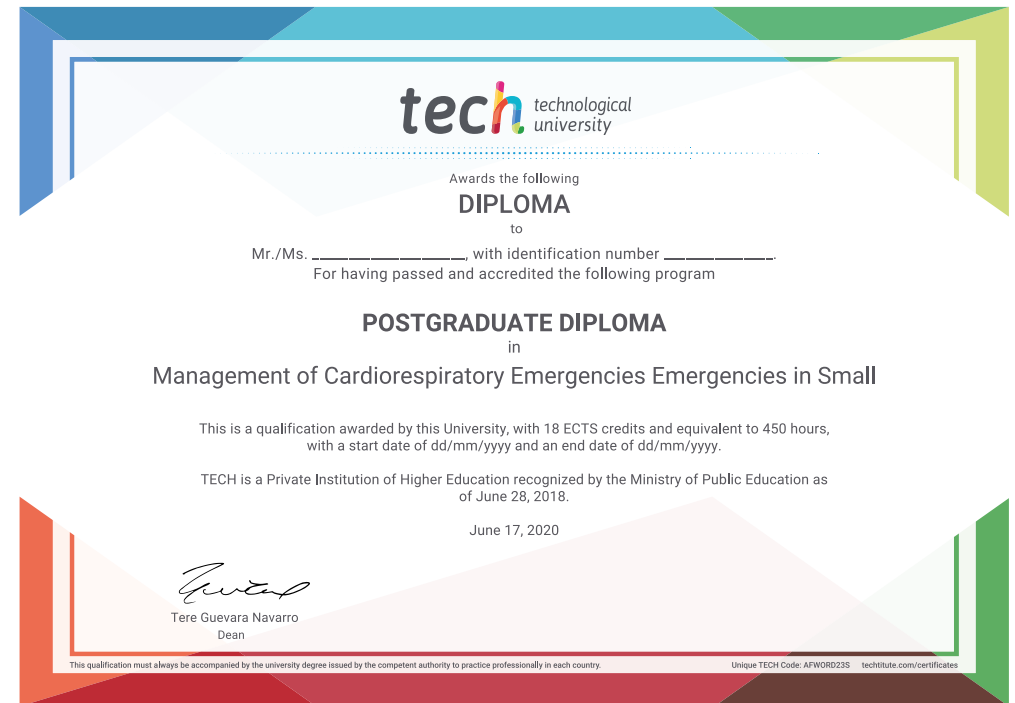
After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH - Technological University via tracked delivery**.

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

Title: **Postgraduate Diploma in Management of Cardiorespiratory Emergencies Emergencies in Small Animals**

ECTS: **18**

Official Number of Hours: **450**



*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.

health future
confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
online training
development languages
virtual classroom



Postgraduate Diploma
Management of
Cardiorespiratory
Emergencies
in Small Animals

Course Modality: **Online**

Duration: **6 months.**

Certificate: **TECH - Technological University**

18 ECTS Credits

Teaching Hours: **450 hours.**

Postgraduate Diploma

Management of Respiratory Emergencies in Small Animals

