Postgraduate Certificate

Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals

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Postgraduate Certificate

Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals

- 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/laparascopic-techniques-extrahepatic-biliary-tree-hernias-thoracoscopy-small-animals

Index

01

Introduction

This intensive program is intended to be a compendium of the different minimally invasive diagnostic and therapeutic techniques that can be performed in small animal clinics. It follows the criteria established by the authors, without overlooking scientific evidence and the most relevant updates in the field. All the chapters are accompanied by abundant iconography, and includes photos and videos by the authors which are intended to illustrate, in a very practical and useful way, handling of the different complementary tests for diagnosing cardiovascular diseases in small animals.

This training is the best option you can find to specialize in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals and make more accurate diagnoses"

Minimally Invasive Techniques for the Diagnosis and Treatment of various diseases in small animals were first implemented in veterinary medicine 20 years ago and have had exponential growth in the last decade.

This course begins with the technique of cholecystectomy by laparoscopy. Cholecystectomy is the removal of the gallbladder and is usually performed for diseases such as mucocele and less frequently for gallstones. The advantages and disadvantages of this technique will be described, as well as appropriate patient selection.

In this program, the minimally invasive technique for treatment of inguinal hernias will be developed, while the complications that may appear during the procedure and how to resolve them will be covered in detail. The techniques of laparoscopic colopexy and cystopexy, which are part of the therapeutic protocol for inguinal hernias, will also be described.

This program ends with thoracoscopic techniques. The peculiarities of the thoracoscopic approach and the specific material and instruments to be used will be described in detail. Possible complications will be detailed. This section will continue with thoracoscopic techniques that can be performed in the thoracic cavity, such as pericardiectomy, ligation of the thoracic duct, resolution of persistent fourth aortic arch, lung biopsy and exeresis of mediastinal masses.

The teachers of this Postgraduate Certificate are at the forefront of the latest diagnostic techniques and treatment of diseases in small animals. Thanks to their specialized training, they have developed a useful and practical program that is adapted to the current reality, a reality that is becoming more and more demanding and specialized.

As it is an online Postgraduate Certificate, the student is not conditioned by fixed schedules, nor do they need to move to physically move to another location. All of the content can be accessed at any time of the day, so you can balance your working or personal life with your academic life.

This **Postgraduate Certificate in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- Case studies presented by experts in Minimally Invasive Veterinary Surgery in Small Animals
- The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines, essential for professional development
- Latest developments in Minimally Invasive Veterinary Surgery in Small Animals
- Practical exercises where the self-assessment process can be carried out to improve learning
- Special emphasis on innovative methodologies in Minimally Invasive Veterinary Surgery in Small Animals
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection

This training comes with the best didactic material, providing you with a contextual approach that will facilitate your learning"

This 100% online Postgraduate Certificate will allow you to combine your studies with your professional work while increasing your knowledge in this field"

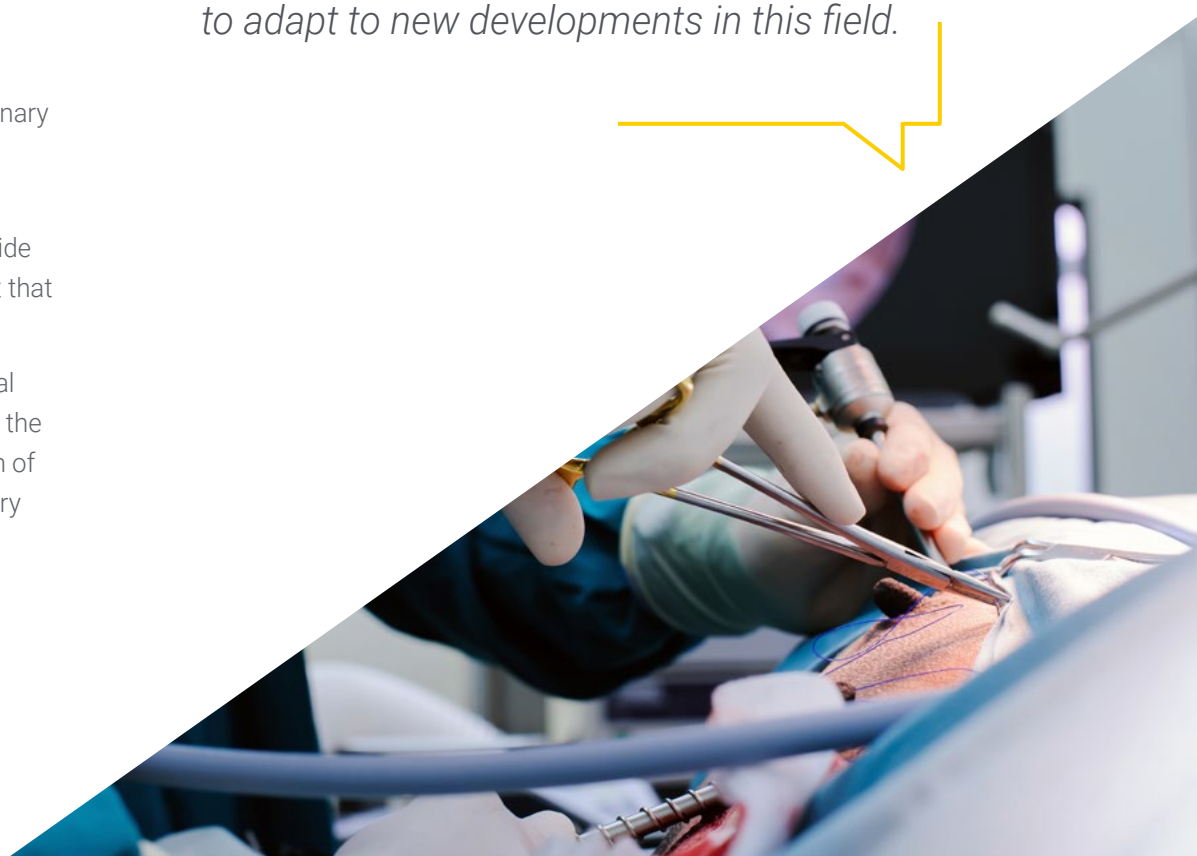
This Postgraduate Certificate is the best investment you can make when choosing a refresher program to expand your knowledge on Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals.

Veterinarians must continue their training to adapt to new developments in this field.

The teaching staff includes professionals from the field of Minimally Invasive Veterinary Surgery who bring their experience to this training 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 immersion training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative system of interactive videos made by experienced and renowned experts from within Veterinary Surgery.



02

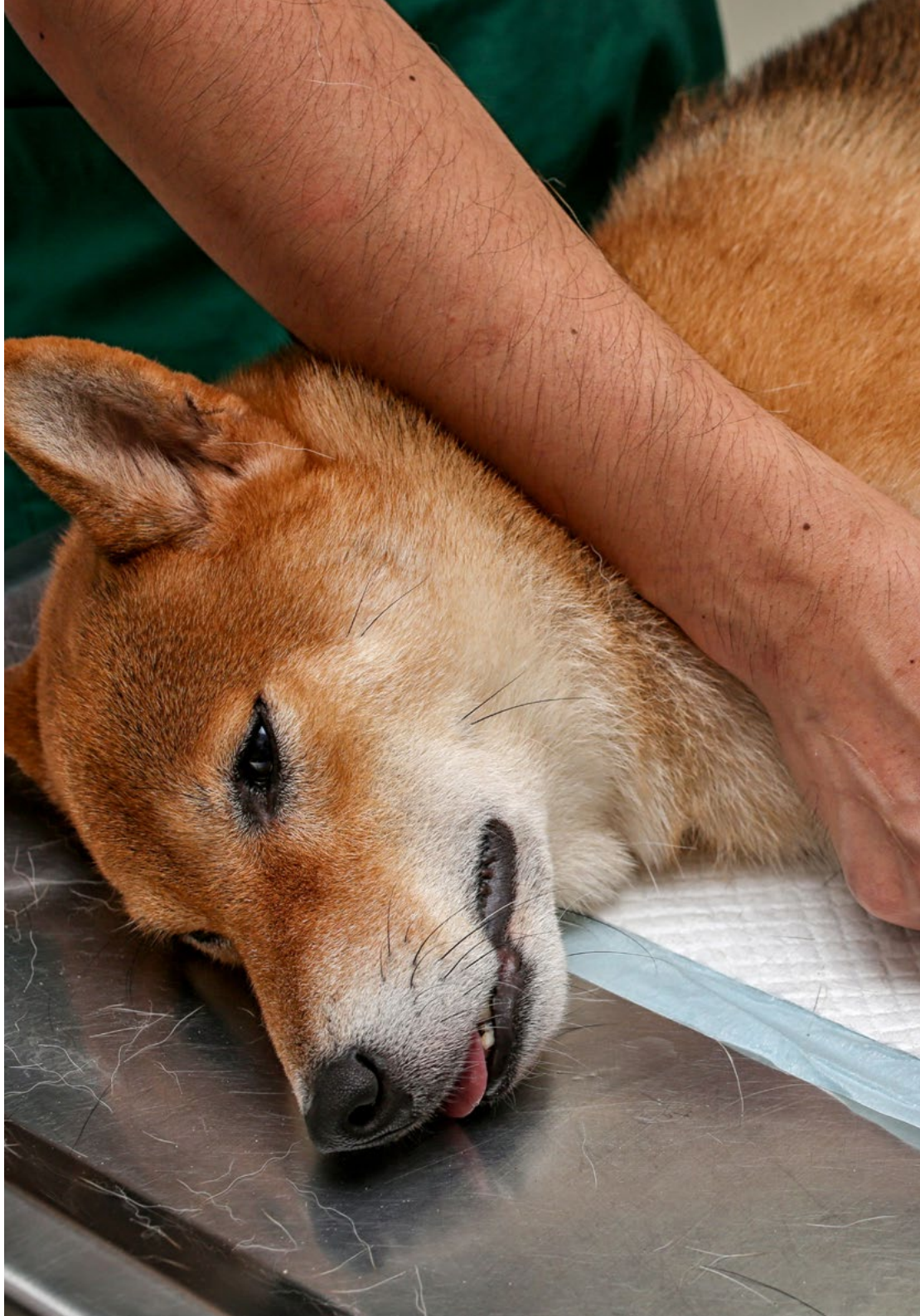
Objectives

This Postgraduate Certificate in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals is designed to facilitate the performance of the veterinary professional by covering the latest advances and most innovative procedures in the field.

This is the best option to learn about the latest advances in Minimally Invasive Veterinary Surgery"

General Objectives

- Analyze indications and patient selection for laparoscopic cholecystectomy
- Incorporate newly acquired knowledge in order to determine optimal therapeutic treatment for inguinal and perineal hernias
- Develop an understanding of thoracoscopic approach techniques and address the main complications that may occur
- Describe techniques most frequently used in thoracoscopic surgery
- Integrate the student's knowledge which will allow them to gain confidence and a sense of security in the interventions developed in this module



Specific Objectives

- Develop techniques and establish a patient selection protocol to perform a cholecystectomy
- Identify the laparoscopy technique for the resolution of a inguinal hernia
- Examine minimal invasion techniques as part of treatment of perineal hernias
- Develop an understanding of the indications, approach techniques and complications involved when performing a thoracoscopy in small animals
- Describe thoracoscopic techniques for performing pericardiectomies in dogs
- Review indications for lung biopsies and lobectomies and develop the thoracoscopic technique to perform these
- Describe the thoracoscopic technique as it used to correct a right aortic arch in dogs
- Review the different surgical options, including thoracoscopies, used to excise surgical masses

03

Course Management

The program's teaching staff includes leading experts in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals, who contribute to this program with their vast work experience. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.

Leading professionals in the field have come together to teach you the latest advances in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals"

Management

Dr. Ortiz Díez, Gustavo

- Head of Small Animal Unit at Complutense Clinical Veterinary Hospital
- PhD and Undergraduate Degree in Veterinary Medicine from the UCM
- Master's Degree in Research Methodology in Health Sciences from the UAB
- Specialist in Traumatology and Orthopedic Surgery in Companion Animals by the UCM. Degree in Small Animal Cardiology from the UCM
- Member of the scientific committee and current president of GECIRA (AVEPA's Soft Tissue Surgery Specialty Group)
- Associate Professor, Department of Animal Medicine and Surgery, Faculty of Veterinary Medicine, Complutense University of Madrid

Dr. Casas García, Diego L.

- University Specialist in Endoscopy and Minimally Invasive Small Animal Surgery (SpecEaMIS)
- Degree in Medicine from the Autonomous University of Gran Canaria(Spain)
- Currently Studying a PhD at the University of Extremadura (Spain)
- Certificate in Internal Medicine (GPCertSAM) by the European School of Veterinary Postgraduate Studies (ESVPS)
- Certified by the University of Extremadura and the Jesús Usón Minimally Invasive Surgery Center (CCMIJU)
- Co-director of the Canary Islands Minimally Invasive Veterinary Center - CVMIC in Las Palmas de Gran Canaria (Spain). Head of Endoscopy and MIS services at CVMIC

Professors

Dr. Arenillas Baquero, Mario

- Degree in Veterinary Medicine from the Complutense University of Madrid
- He obtained the Diploma of Advanced Studies in 2011 and will defend the thesis for the achievement of the Doctorate in Veterinary Medicine in 2020
- Associate Professor in the Clinical Rotation of the subject "Anesthesiology" in the Veterinary Degree of the Faculty of Veterinary Medicine of the Complutense University of Madrid (UCM). As from March 2020
- He teaches in different undergraduate and postgraduate courses related to veterinary anesthesiology, both at the university and clinical practice levels
- Veterinary Anesthesiology at the European College of Veterinary Anaesthesia and Analgesia at UCM
- Carries out teaching duties at the University and undertakes clinical and research work in anesthesia, both at the University as well as in the clinical setting
- He has been the designated veterinarian at the animal facility of the University Hospital in Getafe

Dr. Carrillo Sánchez, Juana Dolores

- Specialist in Endoscopy and Minimally Invasive Surgery in Small Animals
- Degree in Veterinary Medicine from the University of Murcia.
- Doctor from the University of Murcia
- General Practioner Certificate in Small Animal Surgery
- Accreditation in the specialty of soft tissue surgery

Dr. Fuertes Recuero, Manuel

- Veterinarian, Valmeda Veterinary Clinic
- Degree in Veterinary Medicine, Complutense University Madrid
- Practical Training Scholarship. Advanced internship in small animal surgery, Complutense Clinical Veterinary Hospital, Madrid. Substitution
- Veterinarian, Los Madroños Veterinary Clinic
- Veterinarian at Small Animal Clinic-Hospital, Companion Care Sprowston Vets4pets, Norwich, England

Dr. Gutiérrez del Sol, Jorge

- Founding partner of the company Vetmi, Minimally Invasive Veterinary Medicine
- Currently Studying a PhD at the University of Extremadura
- Degree in Veterinary Medicine from the University of Extremadura
- Master's Degree in Meat Science and Technology from the University of Extremadura
- Master's Degree in Clinical Veterinary Etiology from the University of Zaragoza
- Currently studying a Postgraduate Degree in Veterinary Surgery at Barcelona University
- Lecturer for the veterinary training company, Vetability, in its Advanced Laparoscopy and Thoracoscopy courses
- Lecturer for the veterinary training company, Vetability, in its Advanced Laparoscopy and Thoracoscopy courses, since 2015

Dr. Lizasoain Sanz, Guillermo

- Veterinarian at the Veterinary Hospital La Moraleja, Peñagrande group
- Degree in Veterinary Medicine, Complutense University Madrid
- Member of the Official College of Veterinarians of Madrid
- Mentor in the Official Mentoring Program of the Veterinary Degree Complutense University of Madrid

Dr. Martínez Gomáriz, Francisco

- University Specialist in Endoscopy and Minimally Invasive Small Animal Surgery (SpecEaMIS)
- PhD in Veterinary Medicine from the University of Murcia
- Degree in Veterinary Medicine from the University of Murcia
- Postgraduate Diploma in Surgery and Anaesthesia of Small Animals by the Autonomous University of Barcelona
- Associate Professor, Department of Anatomy and Embriology of the Faculty of Veterinary Medicine, University of Murcia
- Founding Partner of the Bonafé Veterinary Clinic in La Alberca. Murcia
- Director of the Centro Murciano de Endoscopia Veterinaria-CMEV, in La Alberca, Murcia, since 2005
- Postgraduate Diploma in Small Animal Surgery and Anesthesia
- Professor. Associate Anatomy and Embryology. Faculty of Veterinary Sciences. University of Murcia

Dr. Pérez Duarte, Francisco Julián

- Secretary of AVEPA's Endoscopy Working Group (EWG).
- Founding member of the Iberian Minimally Invasive Society MINIMAL.
- Researcher at the laparoscopy unit of the Jesús Usón Minimally Invasive Surgery Center (CCMIJU)
- Collaborator teacher, UEX Department of Surgery

Dr. Palacios Quirós, Nadia

- Founder of the Veterinary Endoscopy Mobile Service
- Degree in Veterinary Medicine from the Complutense University of Madrid
- Resident, Small Animals, Veterinary Hospital of the UCM (HV-UCM)
- Founder of the Retamas Veterinary Center (Alcorcón-Madrid)
- Professor of theory and practice at the Faculty of Veterinary Medicine of the University Alfonso X El Sabio (UAX); teaches endoscopy in the area of Diagnostic Imaging
- She has completed residencies for specialization in digestive medicine, ultrasound and endoscopy at the HV-UCM

Dr. Bobis Villagrá, Diego

- Veterinarian in charge of Soft Tissue Surgery, Endoscopy and Minimally Invasive Surgery at La Salle Veterinary Center
- Doctor Cum Laude from the Department of Veterinary Medicine, Surgery and Anatomy of the University of León.
- Master's Degree in Veterinay Research and CTA University of Leon
- Master's Degree in Clinical Veterinary Practice in Hospitals Veterinary Hospital of the University of León
- Bachelor's Degree in Veterinary Medicine University of Leon
- Postgraduate in Soft Tissue Surgery, IVET Valencia
- Postgraduate in Surgery and Anaesthesia of Small Animals from the Autonomous University of Barcelona

04

Structure and Content

The syllabus has been designed by leading professionals in the field of veterinary surgery who have extensive experience and recognized prestige in the profession, are backed by the volume of cases reviewed, studied, and diagnosed, and possess extensive knowledge of new technologies applied to veterinary medicine.

This Postgraduate Certificate in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals contains the most complete and up-to-date scientific program on the market"

Module 1. Laparoscopic Techniques in Extrahepatic Biliary Tree, Inguinal and Perineal Hernias Thoracoscopic Techniques General, Pericardium, Pleural Effusion, Vascular Rings, and Mediastinal Masses

1.1. Cholecystectomy
- 1.1.1. Indications
- 1.1.2. Trocar Positioning and Placement
- 1.1.3. Technique

1.2. Inguinal Hernias
- 1.2.1. Indications
- 1.2.2. Trocar Positioning and Placement
- 1.2.3. Technique

1.3. Perineal Hernias Cystopexy and Colopexy
- 1.3.1. Indications
- 1.3.2. Trocar Positioning and Placement
- 1.3.3. Technique

1.4. Thorax Access
- 1.4.1. Specific Instruments
- 1.4.2. Animal Positioning
- 1.4.3. Access Technique

1.5. Thoracoscopy Surgery Complications
- 1.5.1. Intraoperative complications
- 1.5.2. Postoperative Complications

1.6. Pulmonary Biopsy and Pulmonary Lobectomy
- 1.6.1. Indications
- 1.6.2. Trocar Positioning and Placement
- 1.6.3. Technique

1.7. Pericardiectomy
- 1.7.1. Indications
- 1.7.2. Trocar Positioning and Placement
- 1.7.3. Technique

1.8. Treatment of Chylothorax
- 1.8.1. Indications
- 1.8.2. Trocar Positioning and Placement
- 1.8.3. Technique

1.9. Vascular Rings
- 1.9.1. Indications
- 1.9.2. Trocar Positioning and Placement
- 1.9.3. Technique

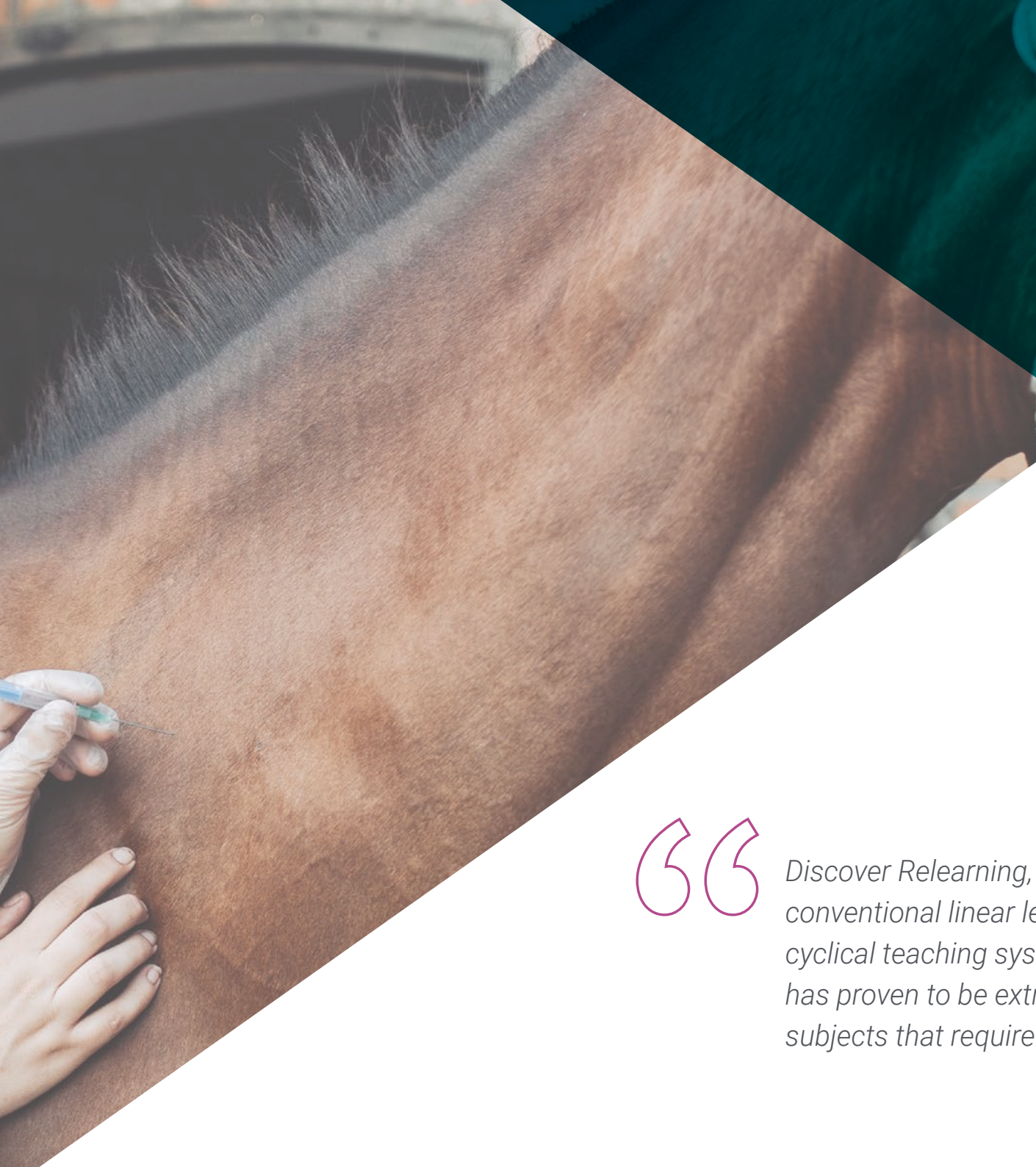
1.10. Mediastinal Masses
- 1.10.1. Indications
- 1.10.2. Trocar Positioning and Placement
- 1.10.3. Technique

This program will allow you to advance in your career comfortably"

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

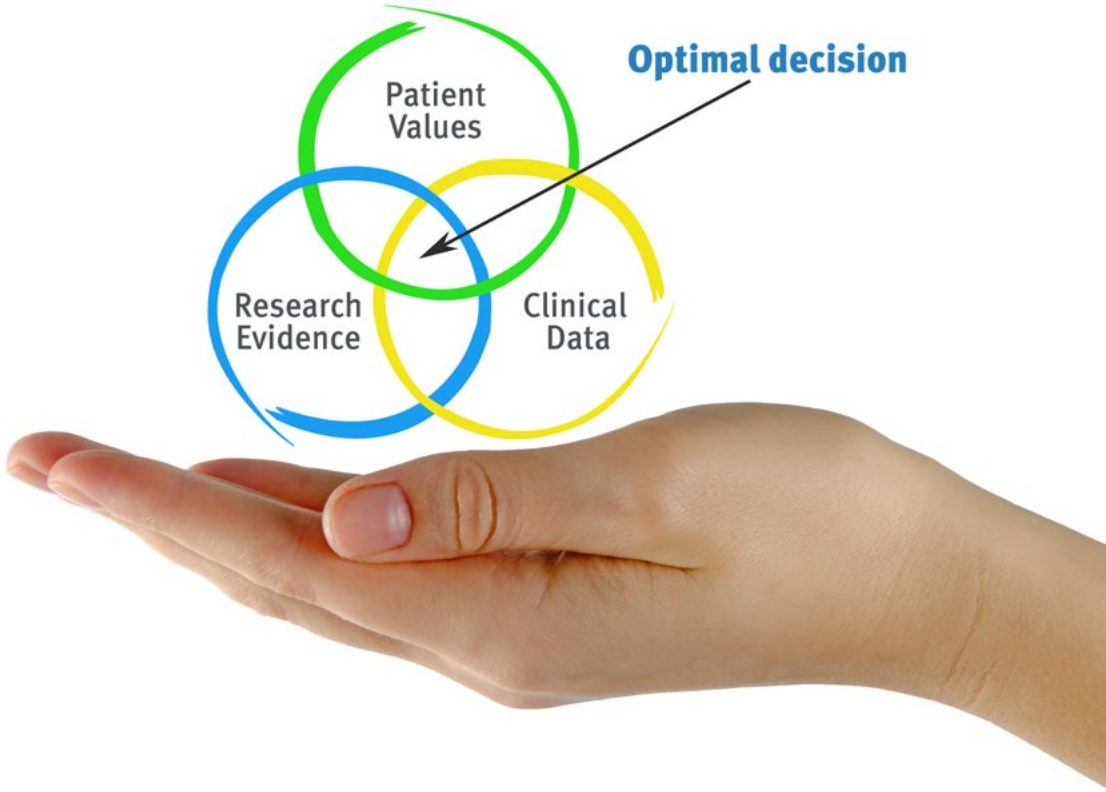


Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the actual conditions in a veterinarian's professional practice.

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

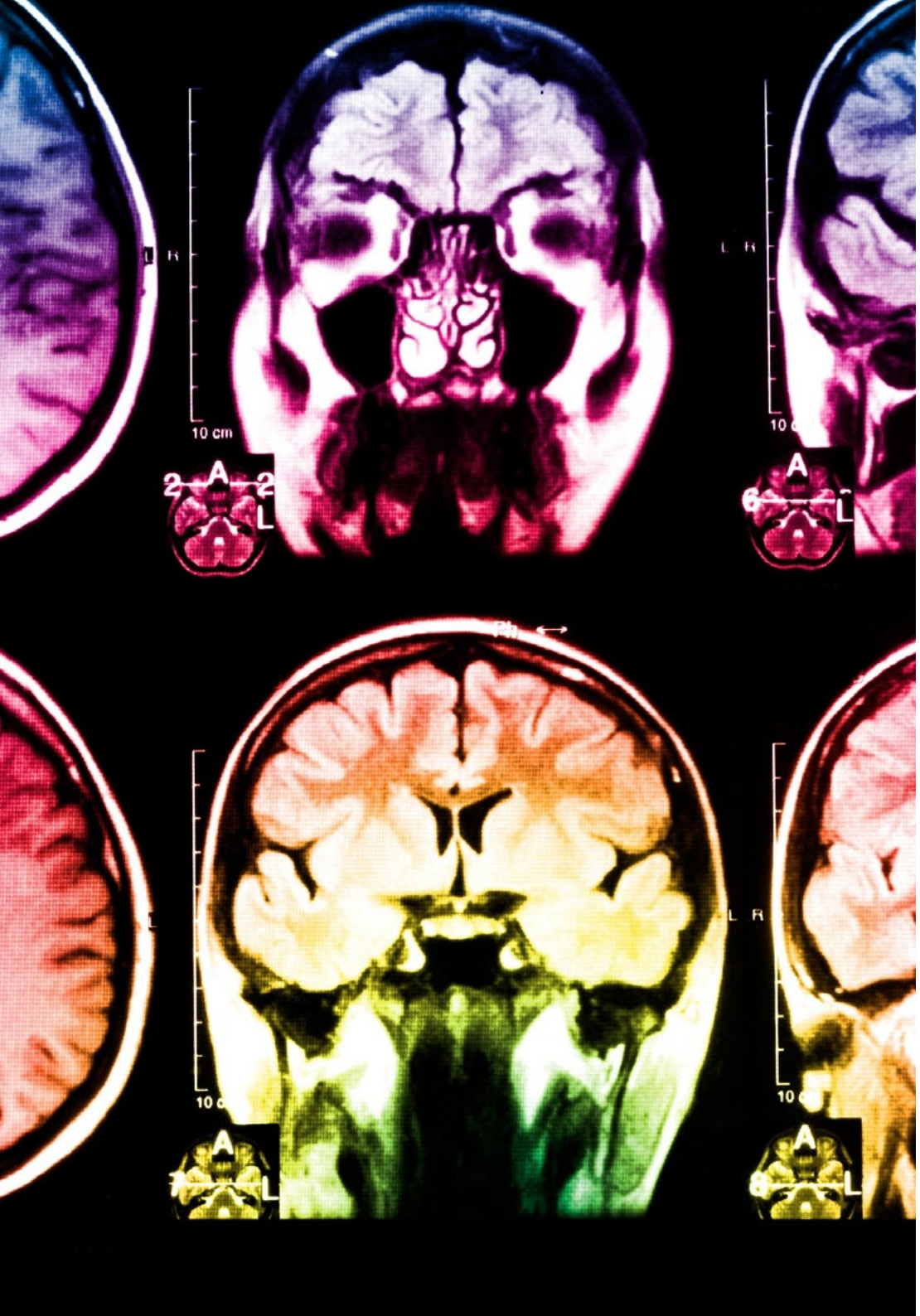
1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Veterinarians will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

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

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

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.

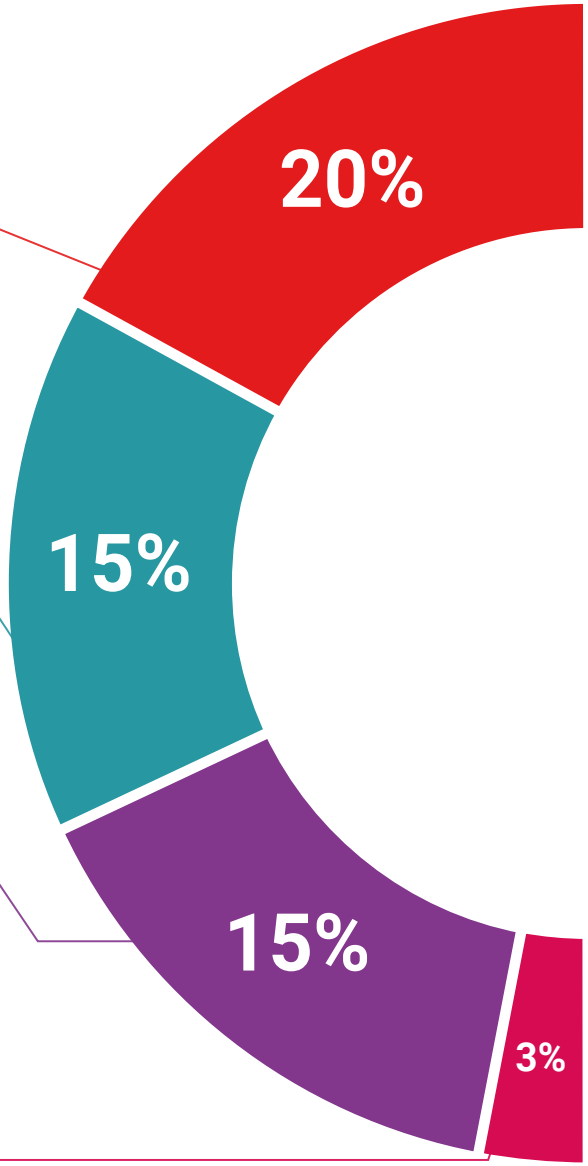
Interactive Summaries

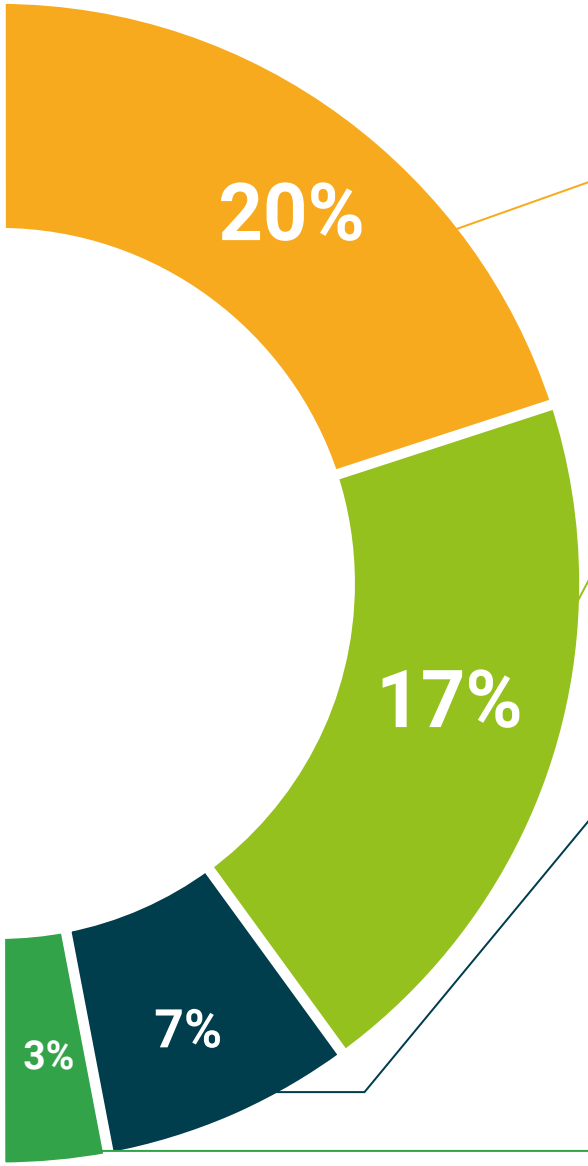
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

06

Certificate

The Postgraduate Certificate in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy 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.

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

This **Postgraduate Certificate in Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals** contains the most complete and up-to-date scientific program on the market.

After students have 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 Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals**

Official Nº of Hours: **150 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Laparoscopic Techniques of the Extrahepatic Biliary Tree, Hernias and Thoracoscopy in Small Animals

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

Unique TECH Code: AFWORD23S techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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