

Postgraduate Diploma

Diagnosis and Minimally Invasive Surgical Treatment in Small Animals



Postgraduate Diploma Diagnosis and Minimally Invasive Surgical Treatment in Small Animals

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-diagnosis-minimally-invasive-surgical-treatment-small-animals

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01

Introduction

This complete program provides up-to-date, relevant and practical knowledge on the different diagnostic and minimally invasive surgical treatments for small animal diseases. Aspects of case management/approach in veterinary medicine and surgery, as well as the latest minimally invasive techniques, are detailed.

You will learn the latest techniques and developments in the field from renowned professionals with years of experience in the discipline. A unique opportunity to specialise in a high-demand professional field.



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*Veterinarians must continue
their education to adapt to
new developments in this field”*

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 upturn, which goes hand in hand with the progress made by human medicine in the field, is owed to several factors: technical development, equipment and instruments that offer higher quality images and are more affordable; the development of specific diagnostic and therapeutic techniques, as well as of professionals who are better trained and carry out most of their clinical activities through these minimally invasive techniques, in addition to owners who are ever more concerned about the health of their pets and demand more specialized clinical services, more accurate clinical diagnoses and treatments that are less invasive and that will result in lower pain levels and fewer hospitalizations for their pets.

The teaching staff of this Postgraduate Diploma 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.

The teaching team has selected an agenda that generates specialized knowledge with an overview of the importance of minimally invasive techniques for the diagnosis and treatment of many diseases affecting small animals, in the description of equipment, instruments, approaches in minimally invasive surgery, anesthesia and most frequent complications.

It provides high-quality multimedia material on different surgical techniques, from the simplest and most common to the most technically complex.

As it is an online Postgraduate Diploma course, students are not restricted by set timetables, nor do they need to physically move to other locations. 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 Diploma in Diagnosis and Minimally Invasive Surgical Treatment 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 self-assessment can be used 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 assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



This training is the best option you can find to specialize in Diagnostic and Treatment Procedures for Minimally Invasive Surgery in Small Animals and make more accurate diagnoses”

“

This Postgraduate Certificate 100% online and will enable you to combine your studies while increasing your knowledge 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 immersive learning 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 created by experienced and renowned experts from within Veterinary Surgery.

Don't miss the opportunity to study this Postgraduate Diploma in Diagnosis and Minimally Invasive Surgical Treatment in Small Animals with us” It's the perfect opportunity to advance your career.

This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.



02 Objectives

The Postgraduate Diploma in Diagnosis and Minimally Invasive Surgical Treatment in Small Animals is aimed at facilitating the performance of the professional dedicated to veterinary medicine by covering the latest advances and newest treatments in the field.





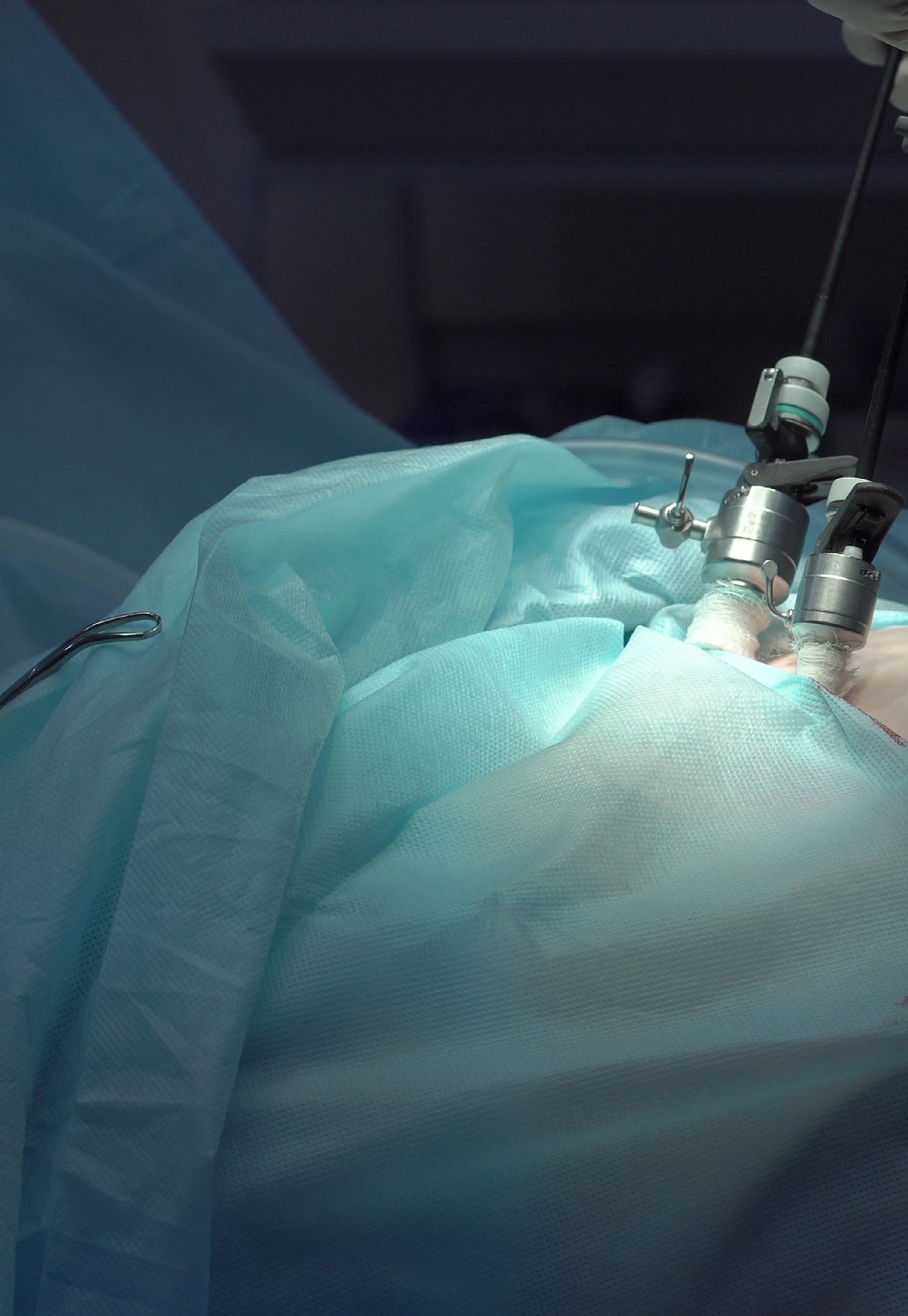
“

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



General Objectives

- ♦ Apply knowledge of the anatomy as it is used in minimally invasive techniques, in gastrointestinal and urinary diseases as well as in those of the male and female reproductive systems
- ♦ Establish a diagnostic and clinical protocol, using complementary tests, for gastrointestinal and urinary diseases and those of the male and female reproductive systems
- ♦ Compile different therapeutic approaches for dealing with gastrointestinal and urinary diseases and those of the male and female reproductive systems
- ♦ Analyze the suitability of different modalities of therapy, including minimally invasive therapy in gastrointestinal, urinary, and male and female reproductive system diseases.
- ♦ Develop a diagnostic and therapeutic protocol for splenic masses
- ♦ Perform a revision and critical analysis of the therapeutic options for an extrahepatic portosystemic shunt
- ♦ Discuss the principal diseases that can be treated through extrahepatic biliary tract surgery
- ♦ Establish a diagnostic and therapeutic protocol for adrenal masses and canine insulinoma
- ♦ Describe anatomy of respiratory airways and their relationship with minimally invasive techniques
- ♦ Establish a diagnostic and therapeutic protocol for cases involving respiratory system diseases where diagnostic techniques and minimally invasive therapy are most commonly required
- ♦ Provide students with relevant anatomical knowledge that will allow them to perform surgical techniques on the thorax
- ♦ Establish a diagnostic and therapeutic protocol for the most common diseases in the thoracic cavity, as well as for inguinal and perineal hernias
- ♦ Integrate knowledge which allows the student to gain confidence and assurance in the different interventions described
- ♦ Evaluate the different therapeutic modalities available for treatment of surgical diseases in the thoracic cavity, as well as for inguinal and perineal hernias
- ♦ Evaluate the most frequent complications and ensure the student acquires the knowledge to be able to confidently and successfully resolve them
- ♦ Identify main differences between anaesthetic techniques used in laparoscopy and thoracoscopy



Specific Objectives

Module 1. Urinary, Reproductive and Digestive System Diseases

- ♦ Carry out a detailed analysis of the anatomy and physiology of the male and female reproductive systems
- ♦ Establish a diagnostic protocol for the most common diseases of the male and female reproductive systems
- ♦ Identify existing therapeutical approaches for treating the most common diseases of the male and female reproductive systems, taking into account traditional as well as minimally invasive alternatives
- ♦ Describe the anatomy of the urinary apparatus: kidneys, ureters, bladder, urethra
- ♦ Develop a diagnostic protocol for the most common diseases in the urinary system
- ♦ Identify the different therapeutic modalities available for addressing the most common diseases in the urinary system
- ♦ Describe anatomy of the stomach, intestine, liver and spleen
- ♦ Establish a therapeutic protocol for digestive and liver diseases in small animals
- ♦ Analyze the different therapeutic options that are available to treat digestive and liver diseases

Module 2. Splenic, Extrahepatic, Endocrine and Upper Respiratory Tract Diseases

- ♦ Propose a diagnostic and therapeutic plan that focuses on hemangiosarcoma to treat splenic masses
- ♦ Analyze extrahepatic portosystemic shunt disease by reviewing controversies found in the most recent literature on the subject
- ♦ Describe diagnostic protocol for main diseases that require a cholecystectomy as treatment
- ♦ Develop the most appropriate techniques and therapeutic plans to treat the most common diseases which affect the adrenal gland, such as adrenal tumors
- ♦ Develop the most appropriate techniques and therapeutic plans to treat the most common diseases which affect the endocrine pancreas, such as pancreatic tumors, specifically insulinoma
- ♦ Provide a detailed description of the anatomy of the nasal cavity, larynx, trachea and lungs
- ♦ Establish a diagnostic and therapeutic protocol for brachycephalic syndrome, laryngeal paralysis, nasal tumors, nasal aspergillosis and nasopharyngeal stenosis





Module 3. Thoracic Cavity Diseases. Inguinal and Perineal Hernia. Laparoscopy and Thoracoscopy Anaesthesia

- ◆ Identify the anatomy that is clinically related to the thoracic cavity
- ◆ Establish a diagnostic protocol as well as medical and surgical treatment for tracheal collapse disease
- ◆ Identify steps for the diagnosis and treatment of pleural effusion
- ◆ Analyze the most frequent causes of pericardial effusion and its relationship with cardiac tumors
- ◆ Propose a diagnostic and therapeutic protocol for persistent right aortic arch disease
- ◆ Carry out diagnosis and expand knowledge on surgical therapy and prognosis for canine lung cancer
- ◆ Evaluate the various etiologies, diagnostic protocols, treatments and evolution of thoracic masses in small animals
- ◆ Analyze the main implications and complications that can arise in the use of anesthesia with laparoscopic or thoracoscopic procedures

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

03

Course Management

The program's teaching staff includes leading experts in Minimally Invasive Veterinary Surgery in Small Animals, who contribute to this training program with their vast work experience. In addition, other experts of recognized prestige participate in its design and elaboration, thereby completing the program in an interdisciplinary way.





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*Leading professionals in the field
have come together to teach you the
latest advances in Minimally Invasive
Veterinary Surgery in Small Animals”*

International Guest Director

Dr. Matteo Rossanese is a leading veterinary surgeon who has served as Co-Director of the Soft Tissue Surgery Area at the Queen Mother's Hospital in London, United Kingdom. In fact, his career has been distinguished by his specialization in Small Animal Surgery, a field in which he has achieved notable international recognition. In this sense, he has focused on Cardiothoracic Surgery and Minimally Invasive Surgery, areas in which he has made significant contributions to advance the treatment of complex conditions in animals.

In addition to his academic and professional career, he has been involved in various research and publications. In this way, his work has focused on improving surgical techniques, with a focus on innovation and education, publishing relevant articles that have enriched knowledge in the field of Veterinary Surgery. It is worth mentioning one of them, under the title: "Ultrasound-guided hook and wire localization for surgical excision of non-palpable superficial inguinal lymph nodes in dogs: a pilot study".

He has also accumulated extensive experience in different leading institutions. As such, he began a postgraduate research project and internship in Surgery and Neurosurgery at North Downs Specialist Referrals, followed by a general internship at the Animal Health Trust. Thereafter, his teaching continued at the Small Animal Teaching Hospital, where he completed his residency in Small Animal Surgery.

Internationally, Dr. Matteo Rossanese has been recognized as an outstanding professional in his field, committed to professional excellence. Likewise, his ability to contribute significantly to veterinary practice makes him one of the great leaders in such an important field. There is no doubt that this great professional will continue to successfully face any challenge in his path.



Dr. Rossanese Matteo

- Co-Director of Soft Tissue Surgery at Queen Mother's Hospital, London, United Kingdom
- Co-Founder of VetSpoke LTD
- General Intern at Animal Health Trust
- Veterinary Intern at North Downs Specialist Referrals Ltd
- Veterinary Surgeon at Boso Dr. Matteo Veterinary Outpatient Clinic

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Thanks to TECH, you will be able to learn with the best professionals in the world”

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 Practitioner 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 Villagrà, 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 Veterinary Research and CTA University of León
- ◆ Master's Degree in Clinical Veterinary Practice in Hospitals Veterinary Hospital of the University of León
- ◆ Bachelor's Degree in Veterinary Medicine University of León
- ◆ 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.



A close-up photograph of a dog's face, likely a Golden Retriever, with its eyes closed. The dog is wearing a grey medical mask or collar. Several white tubes and wires are connected to the mask, extending across the dog's face. The background is blurred, showing more of the dog's fur and the medical equipment.

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This Postgraduate Diploma in Diagnosis and Minimally Invasive Surgical Treatment in Small Animals contains the most complete and up-to-date scientific program on the market”

Module 1. Urinary, Reproductive and Digestive System Diseases

- 1.1. Anatomy and Physiology of the Male and Female Reproductive System
 - 1.1.1. Anatomy of the Female Reproductive System
 - 1.1.2. Anatomy of the Male Reproductive System
 - 1.1.3. Reproduction Physiology
- 1.2. Pyometra and Stump Pyometra Ovarian Tumors and Ovarian Remnant Syndrome
 - 1.2.1. Pyometra
 - 1.2.2. Stump Pyometra
 - 1.2.3. Ovarian Remnant Syndrome
 - 1.2.4. Ovarian Tumors
- 1.3. Prostate and Testicles. Prostatic Hyperplasia, Prostatic Cysts, Prostatitis and Prostatic Abscesses, Prostatic Neoplasms, Testicular Neoplasms
 - 1.3.1. Prostatic Hyperplasia
 - 1.3.2. Cysts, Abscesses, Prostatitis
 - 1.3.3. Prostatic Neoplasms
 - 1.3.4. Testicular Neoplasms
- 1.4. Urinary Anatomy
 - 1.4.1. Kidney
 - 1.4.2. Ureter
 - 1.4.3. Bladder
 - 1.4.4. Urethra
- 1.5. Urinary Stones
 - 1.5.1. Diagnosis
 - 1.5.2. Treatment



- 1.6. Urinary Incontinence, Urinary System Tumors, Ectopic Ureters
 - 1.6.1. Urinary Incontinence
 - 1.6.1.1. Diagnosis
 - 1.6.1.2. Treatment
 - 1.6.2. Urinary System Tumors
 - 1.6.2.1. Diagnosis
 - 1.6.2.2. Treatment
 - 1.6.3. Ectopic Ureters
 - 1.6.3.1. Diagnosis
 - 1.6.3.2. Treatment
- 1.7. Digestive System
 - 1.7.1. Stomach
 - 1.7.2. Intestine
 - 1.7.3. Liver
 - 1.7.4. Bladder
- 1.8. Dilatation-Torsion Syndrome
 - 1.8.1. Diagnosis
 - 1.8.2. Treatment
- 1.9. Gastric and Intestinal Foreign Bodies
 - 1.9.1. Diagnosis
 - 1.9.2. Treatment
- 1.10. Digestive and Liver Tumors
 - 1.10.1. Diagnosis
 - 1.10.2. Treatment

Module 2. Splenic, Extrahepatic, Endocrine and Upper Respiratory Tract Diseases

- 2.1. Splenic Masses
 - 2.1.1. Diagnosis
 - 2.1.2. Treatment
- 2.2. Portosystemic Shunt
 - 2.2.1. Diagnosis
 - 2.2.2. Treatment
- 2.3. Extrahepatic Biliary Tree Diseases
 - 2.3.1. Diagnosis
 - 2.3.2. Treatment
- 2.4. Endocrine Anatomy
 - 2.4.1. Adrenal Anatomy
 - 2.4.2. Pancreas Anatomy
- 2.5. Adrenal Glands
 - 2.5.1. Adrenal Masses
 - 2.5.1.1. Diagnosis
 - 2.5.1.2. Treatment
- 2.6. Pancreas
 - 2.6.1. Pancreatitis
 - 2.6.2. Adrenal Masses
- 2.7. Airway Anatomy
 - 2.7.1. Nostrils.
 - 2.7.2. Nasal Cavity
 - 2.7.3. Larynx
 - 2.7.4. Trachea
 - 2.7.5. Lungs

- 2.8. Laryngeal Paralysis
 - 2.8.1. Diagnosis
 - 2.8.2. Treatment
- 2.9. Brachycephalic Syndrome
 - 2.9.1. Diagnosis
 - 2.9.2. Treatment
- 2.10. Nasal Tumors Nasal Aspergillosis Nasopharyngeal Stenosis
 - 2.10.1. Diagnosis
 - 2.10.2. Treatment

Module 3. Thoracic Cavity Diseases Inguinal and Perineal Hernia Laparoscopy and Thoracoscopy Anaesthesia

- 3.1. Tracheal Collapse
 - 3.1.1. Diagnosis
 - 3.1.2. Treatment
- 3.2. Thoracic Anatomy
 - 3.2.1. Thoracic Cavity
 - 3.2.2. Pleura
 - 3.2.3. Mediastinum
 - 3.2.4. Heart
 - 3.2.5. Oesophageal
- 3.3. Pericardial Effusion and Masses
 - 3.3.1. Diagnosis
 - 3.3.2. Treatment
- 3.4. Pleural Effusion and Chylothorax
 - 3.4.1. Etiology
 - 3.4.2. Diagnosis
 - 3.4.3. Chylothorax
 - 3.4.3.1. Diagnosis and Treatment





- 3.5. Vascular Anomalies
 - 3.5.1. Persistent Right Aortic Arch
 - 3.5.1.1. Diagnosis
 - 3.5.1.2. Treatment
- 3.6. Pulmonary Pathologies
 - 3.6.1. Pulmonary Tumors
 - 3.6.2. Foreign Bodies
 - 3.6.3. Pulmonary Lobe Torsion
- 3.7. Mediastinal Masses
 - 3.7.1. Diagnosis and Treatment
- 3.8. Inguinal and Perineal Hernia
 - 3.8.1. Anatomy
 - 3.8.2. Inguinal Hernia
 - 3.8.3. Perineal Hernia
- 3.9. Laparoscopy Surgery Anaesthesia
 - 3.9.1. Considerations
 - 3.9.2. Complications
- 3.10. Thoracoscopy Surgery Anaesthesia.
 - 3.10.1. Considerations
 - 3.10.2. Complications



This training 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.





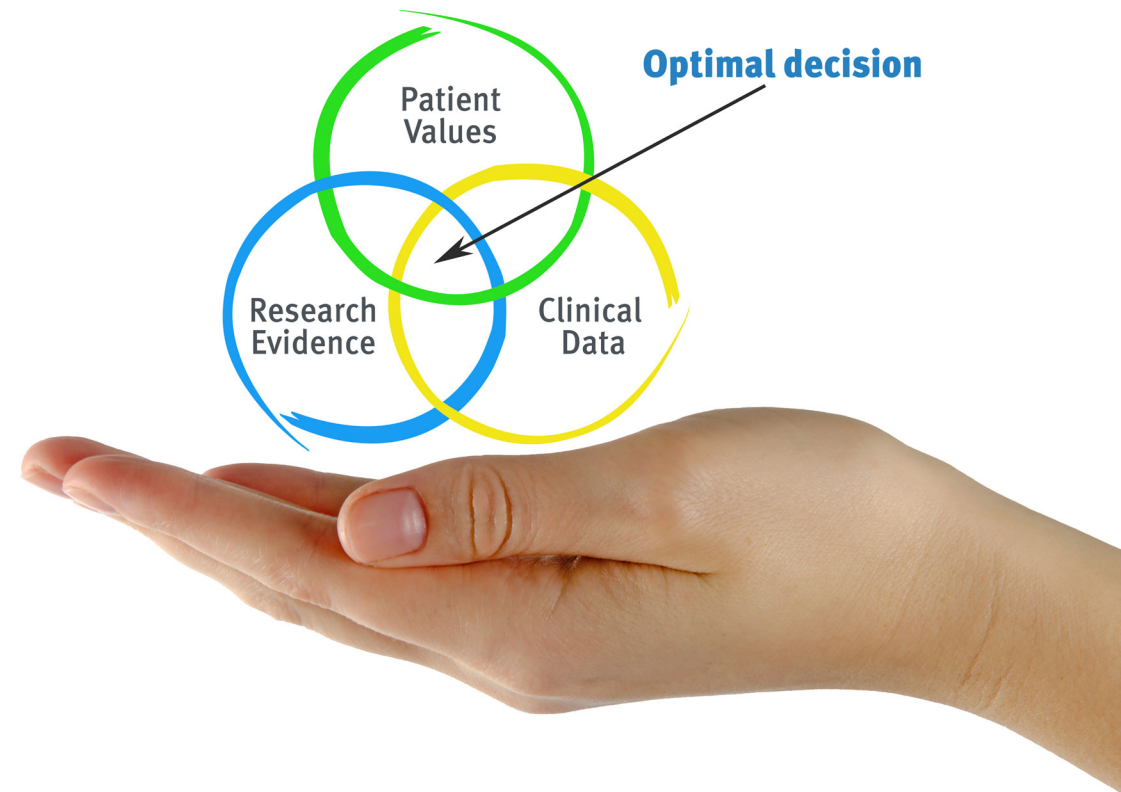
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

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

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



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

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

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

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



Relearning Methodology

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

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



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

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

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

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

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

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



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



Study Material

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

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



Latest Techniques and Procedures on Video

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



Interactive Summaries

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

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



Additional Reading

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





Expert-Led Case Studies and Case Analysis

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



Testing & Retesting

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



Classes

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

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



Quick Action Guides

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



06 Certificate

The Postgraduate Diploma in Diagnostic and Treatment Procedures for Minimally Invasive Surgery in Small Animals guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.



“

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

This program will allow you to obtain your **Postgraduate Diploma in Diagnosis and Minimally Invasive Surgical Treatment 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 Diploma in Diagnosis and Minimally Invasive Surgical Treatment in Small Animals**

Modality: **online**

Duration: **6 months**

Accreditation: **18 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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Postgraduate Diploma
Diagnosis and Minimally
Invasive Surgical Treatment
in Small Animals

- » Modality: online
- » Duration: 6 months
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- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Diagnosis and Minimally
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