

# Postgraduate Diploma

Digestive, Respiratory and Urogenital  
System Endoscopy in Small Animals





## Postgraduate Diploma

### Digestive, Respiratory and Urogenital System Endoscopy 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-digestive-respiratory-urogenital-system-endoscopy-small-animals](http://www.techtute.com/us/veterinary-medicine/postgraduate-diploma/postgraduate-diploma-digestive-respiratory-urogenital-system-endoscopy-small-animals)

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# 01

# Introduction

Minimally invasive techniques are increasingly in demand by small animal owners. Veterinarians have more specialized knowledge and owners, increasingly concerned about the health of their pets, demand more diagnostic and therapeutic accuracy and less invasive procedures, which result in greater welfare of their pets.

With this high-level education you will specialize in Digestive, Respiratory and Urogenital Endoscopy in Small Animals, with the help of renowned professionals and with the best teaching materials and resources.



A close-up photograph of a person's hand wearing a pink nitrile glove, operating a piece of machinery with a black handle and a yellow ring. The background is dark and out of focus.

“

*This program includes exceptional teaching material, providing you with a contextual approach that will facilitate your learning”*

Minimally invasive techniques used in veterinary medicine for the diagnosis and treatment of various diseases found in small animals began 20 years ago and have grown exponentially in the last decade.

This growth, which goes hand in hand with the growth of Human Medicine in this field, has been due to several factors: technical development, equipment and instruments, which increasingly offer higher quality images and are more affordable, the development of specific diagnostic and therapeutic techniques in this field, as well as professionals, increasingly trained, which include, preferably, the approach, through these minimally invasive techniques, most of their clinical activity, in addition to owners increasingly concerned about the health of their pets who demand more specialized clinical services, more accurate clinical diagnostics and less invasive treatments which results in less pain and shorter hospital stays for their pets.

The professors on this Postgraduate Diploma are at the forefront of the latest diagnostic techniques and treatments of diseases in small animals. Due to their specialized expertise, they have designed a useful, practical program adapted to the current situation, an increasingly demanding and specialized reality.

The teaching staff has selected a syllabus 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 the most frequent complications.

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

As it is an online program, 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 Diploma in Digestive, Respiratory and Urogenital System Endoscopy in Small Animals** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of case studies presented by experts in Minimally Invasive Surgery in Small Animals
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ New developments in Minimally Invasive Surgery in Small Animals
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies in Minimally Invasive 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 program is the best option you can find to specialize in Digestive, Respiratory and Urogenital System Endoscopy in Small Animals and make more accurate diagnoses"*

“ *This Postgraduate Diploma is the best investment you can make in selecting a refresher program to update your knowledge in Digestive, Respiratory and Urogenital Endoscopy in Small Animals*”

It includes in its teaching staff professionals belonging to the field of Minimally Invasive Veterinary Surgery, who bring to this program their work experience, as well as renowned specialists from reference societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive specialization programmed to train in real situations.

In order to do this, the professional will have the help of an innovative interactive video system made by recognized experts in Veterinary Surgery and with great experience. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Veterinary Surgery.

*Do not miss the opportunity to make this Postgraduate Diploma in Digestive, Respiratory and Urogenital System Endoscopy in Small Animals with us. It's the perfect opportunity to advance your career.*

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



# 02 Objectives

The Postgraduate Diploma in Digestive, Respiratory and Urogenital Endoscopy in Small Animals is oriented to facilitate the performance of the veterinary professional with the latest advances and most innovative treatments in the sector.







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*This is the best option to learn about the latest advances in minimally invasive veterinary surgery”*



## General Objectives

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- ♦ Build a solid foundation of knowledge to safely perform a digestive endoscopy
- ♦ Evaluate the indications, advantages, disadvantages and most common complications of a digestive endoscopy
- ♦ Identify the equipment and specific instruments needed to perform a respiratory endoscopy in dogs
- ♦ Collate and develop the techniques for upper and lower digestive endoscopy
- ♦ Develop a treatment plan for the different digestive illnesses that can be treated with an endoscopy
- ♦ Analyze the use of an endoscopy for inserting feeding tubes
- ♦ Build a solid foundation of knowledge to safely perform a respiratory endoscopy
- ♦ Evaluate the indications, advantages, disadvantages and most common complications of a respiratory endoscopy
- ♦ Develop understanding of the techniques used for a respiratory endoscopy
- ♦ Develop a treatment plan for different respiratory illnesses that can be treated with an endoscopy
- ♦ Analyze the use of endoscopies for the treatment of tracheal and bronchial collapse and tracheal stenosis
- ♦ Build a solid foundation of knowledge to safely implement minimally invasive techniques for urogenital procedures
- ♦ Assess the indications, advantages, disadvantages and most common complications of endourological procedures
- ♦ Identify the equipment and specific instruments needed to perform endourological procedures as well as female reproductive system procedures
- ♦ Collate and develop techniques for a urogenital endoscopy
- ♦ Develop knowledge of the most innovative endourological procedures being performed in veterinary medicine for small animals
- ♦ Analyze the use of an endoscopy for performing transcervical insemination



*This program will provide you with a sense of confidence in medical practice, which will help you grow personally and professionally”*



## Specific Objectives

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### **Module 1. Digestive Endoscopy. General Information, Techniques and Most Common Diseases**

- ♦ Review the history and new approaches to digestive endoscopy for small animals
- ♦ Compile the different ways to prepare a patient for a digestive endoscopy
- ♦ Present the equipment and specific instruments needed to perform a digestive endoscopy
- ♦ Describe the necessary protocol for cleaning instruments used in a digestive endoscopy
- ♦ Consolidate the understanding of the indications and most common complications of a digestive endoscopy
- ♦ Establish a protocol for upper and lower gastrointestinal examination (esophagoscopy, gastroscopy, duodenoscopy, ileoscopy, colonoscopy)
- ♦ Analyze endoscopic techniques for the resolution of digestive foreign bodies, esophageal stenosis polypectomy
- ♦ Review the use of an endoscopy for inserting feeding tubes

### **Module 2. Respiratory System Endoscopy. General Information and Techniques in Most Common Diseases**

- ♦ Review the history and new approaches to respiratory endoscopy in small animals
- ♦ Compile the different ways to prepare a patient for a respiratory endoscopy
- ♦ Identify the equipment and specific instruments needed to perform a respiratory endoscopy
- ♦ Describe the necessary protocol for cleaning instruments used in a respiratory endoscopy
- ♦ Consolidate the understanding of the indications and most common complications of a respiratory endoscopy

- ♦ Establish a protocol for examination of the digestive system: Rhinoscopy, laryngoscopy, tracheoscopy and bronchoscopy
- ♦ Analyze endoscopic techniques for the treatment of respiratory foreign bodies and nasoesophageal stenosis
- ♦ Review the use of endoscopies for the treatment of tracheal and bronchial collapse and tracheal stenosis

### **Module 3. Urogenital System Endoscopy. General Information and Techniques in Most Common Diseases**

- ♦ Review the history and new approaches to endourological procedures for small animals
- ♦ Identify the equipment and specific instruments needed to perform a urogenital endoscopy
- ♦ Describe the necessary protocol for cleaning instruments used in a respiratory endoscopy
- ♦ Consolidate the understanding of the indications and most common complications of a urogenital endoscopy
- ♦ Establish a protocol for examining the urinary and female reproductive system. Urethrocystoscopy, vaginoscopy and percutaneous nephroscopy
- ♦ Review the newest endourological techniques being performed in veterinary medicine such as UGELAB, PCCL, intracorporeal lithotripsy and urethral and urethral stenting
- ♦ Review the use of endoscopies for the treatment of tracheal and bronchial collapse and tracheal stenosis

03

# Course Management

The program includes in its teaching staff reference experts in Digestive, Rehabilitation and Urogenital System Endoscopy in Small Animals, who bring to this program their work experience. In addition, other experts of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.





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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

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- 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

“

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

## Management



### Dr. Casas García, Diego L.

- Head of the Endoscopy and MIS Service at the Canary Islands Minimally Invasive Veterinary Center
- Co-director of the Canary Islands Minimally Invasive Veterinary Center Las Palmas de Gran Canaria, Spain
- Director of the Scientific Committee of the Latin American Society of Veterinary Endoscopy (SLEV)
- Veterinarian at the Removed Veterinary Hospital
- Veterinarian at South Veterinary Center
- Veterinarian at the Indautxu Veterinary Clinic Center
- Author of the professional guide: Minimally Invasive Techniques in Small Animals
- PhD in Veterinary Medicine from the University of Extremadura
- Degree in Veterinary from the University of Las Palmas de Gran Canaria
- General Practitioner Certificate in Small Animal Medicine in Internal Medicine from European School for Advanced Veterinary Studies (ESAVS)
- Specialist in Endoscopy and Minimally Invasive Surgery in Small Animals by the University of Extremadura
- Certified by the University of Extremadura and the Jesús Usón Minimally Invasive Surgery Center (CCMIJU)
- First prize Miguel Luera, issued by the Spanish Association of Veterinarians Specializing in Small Animals (AVEPA)
- Member of the Iberian Association of Minimally Invasive Veterinary, MINIMAL.





### Dr. Ortiz Díez, Gustavo

- ♦ Head of the Small Animal Department at the Complutense Veterinary Clinic Hospital
- ♦ Chief of the Soft Tissue Surgery and Minimally Invasive Procedures Service at the Veterinary Hospital 4 de Octubre
- ♦ Accredited by the Association of Spanish Veterinarians Specializing in Small Animals (AVEPA) in Soft Tissue Surgery
- ♦ Master's Degree in Research Methodology in Health Sciences from Autonomous University of Barcelona
- ♦ Specialist in Traumatology and Orthopedic Surgery in Companion Animals, Complutense University of Madrid
- ♦ Degree in Small Animal Cardiology from the Complutense University of Madrid
- ♦ PhD and Degree in Veterinary Medicine from the Complutense University of Madrid
- ♦ Courses of laparoscopic and thoracoscopic surgery at the Minimally Invasive Center Jesús Usón. Accredited in functions B, C, D and E of Experimentation Animals by the Community of Madrid
- ♦ ICT Competencies Course for Teachers, UNED.
- ♦ Member of the Scientific Committee and current President of the Specialty Group of Soft Tissue Surgery of the Spanish Association of Veterinarians Specializing in Small Animals (AVEPA)

## Professors

### Dr. Fuertes Recuero, Manuel

- ♦ Veterinarian Specializing in Small Animals
- ♦ Veterinarian at Companion Care Sprowston Vets4pets Small Animal Clinic-Hospital. United Kingdom
- ♦ Veterinarian at the Los Madroños Veterinary Clinic
- ♦ Veterinarian at Valmeda Veterinary Clinic
- ♦ Degree in Veterinary Medicine, Complutense University Madrid

### Dr. Lizasoain Sanz, Guillermo

- ♦ Veterinarian at the Veterinary Hospital La Moraleja of the Peñagrande Group
- ♦ Scientific Reviewer of the journal Treaty of Internal Medicine
- ♦ Degree in Veterinary Medicine, Complutense University Madrid
- ♦ Member of the Official College of Veterinarians of Madrid

**Dr. Arenillas Baquero, Mario**

- ♦ Veterinarian in charge of the Animal Facility at the University Hospital of Getafe
- ♦ Veterinary Anesthesiology
- ♦ Degree in Veterinary Medicine from the Complutense University of Madrid
- ♦ European Diploma in the Specialty of Anesthesia and Analgesia by the European College of Veterinary Anaesthesia and Analgesia (ECVAA)
- ♦ Doctorate in Veterinary Medicine
- ♦ Associate Professor in the Veterinary Degree at the Faculty of Veterinary Medicine, Complutense University of Madrid
- ♦ Member of the Spanish Society of Veterinary Anesthesia and Analgesia (SEAAV), Specialty Group of Anesthesia and Analgesia of AVEPA and the AVA (Association of Veterinary Anaesthetists)

**Dr. Carrillo Sánchez, Juana Dolores**

- ♦ Specialist in Endoscopy and Minimally Invasive Surgery in Small Animals
- ♦ Pharmacodynamics
- ♦ Doctor from the University of Murcia
- ♦ General Practitioner Certificate in Small Animal Surgery
- ♦ Degree in Veterinary Medicine from the University of Murcia
- ♦ Accreditation in the Specialty of Soft Tissue Surgery
- ♦ Specialist in Endoscopy and Minimally Invasive Surgery in Small Animals by the University of Extremadura
- ♦ Member of the Spanish Veterinary Association of Specialists in Small Animals (AVEPA)

**Dr. Pérez Duarte, Francisco Julián**

- ♦ Doctor in Laparoscopic Surgery and Researcher
- ♦ Founding Partner of the company VETMI, Minimally Invasive Veterinary Medicine
- ♦ Researcher of the Laparoscopy Unit at the Center for Minimally Invasive Surgery Jesús Usón (CCMIJU)
- ♦ Teaching Collaborator on the Department of Surgery of the UEX.
- ♦ Founding member of MINIMAL (the Iberian Minimally Invasive Society)
- ♦ Doctor in Laparoscopic Surgery Cum Laude
- ♦ Degree in Veterinary Medicine from the University of Extremadura
- ♦ Member of the Spanish Association of Minimally Invasive Veterinary Medicine (AEVMI), Endoscopy Working Group of AVEPA (GEA)

**Dr. Bobis Villagrà, Diego**

- ♦ Veterinary Expert in Minimally Invasive Small Animal Surgery
- ♦ Veterinarian in charge of the Soft Tissue Surgery, Endoscopy and Minimally Invasive Surgery Service at La Salle Veterinary Center
- ♦ Doctor of Veterinary Medicine from the University of León
- ♦ Graduate in Veterinary Medicine from the University of Leon
- ♦ Master's Degree in Veterinary Research and CTA from the University of León
- ♦ Master's Degree in Hospital Veterinary Clinic by the Veterinary Hospital of the University of León
- ♦ Postgraduate in Soft Tissue Surgery by the Veterinary Institute of Valencia
- ♦ Diploma in Small Animal Surgery and Anesthesia from the Autonomous University of Barcelona
- ♦ Member of the Spanish Association of Veterinarians Specialized in Small Animals (AVEPA) and Iberian Association of Minimally Invasive Veterinarians (MINIMAL)

**Dr. Martínez Gomáriz, Francisco**

- ◆ Specialist in Soft Tissue Surgery
- ◆ Founding Partner of the Bonafé Veterinary Clinic Murcia
- ◆ Director of the Murcian Center of Veterinary Endoscopy (CMEV)
- ◆ President of AVEPA's Endoscopy and Minimally Invasive Endoscopy Group
- ◆ Associate Professor of Anatomy at the Department of Anatomy and Embryology, Faculty of Veterinary Medicine, University of Murcia
- ◆ Professor of Veterinary Laparoscopy Courses at the Jesús Usón Center for Minimally Invasive Surgery
- ◆ Degree in Veterinary Medicine from the University of Murcia
- ◆ Doctor in Veterinary Medicine from the University of Murcia
- ◆ Accredited by AVEPA in Soft Tissue Surgery
- ◆ Specialist in Endoscopy and Minimally Invasive Surgery in Small Animals by the University of Extremadura
- ◆ Diploma in Small Animal Surgery and Anesthesia from the Autonomous University of Barcelona
- ◆ Diploma in Small Animal Surgery and Anesthesia from the Autonomous University of Barcelona
- ◆ Member of the Spanish Association of Veterinary Specialists in Small Animals (AVEPA), Spanish Association of Minimally Invasive Veterinary Medicine (AEVMI), Iberian Association of Minimally Invasive Veterinary Medicine (MINIMAL), Latin American Society of Veterinary Endoscopy (SLEV), AVEPA Endoscopy and Minimally Invasive Group (GEAMI), AVEPA Soft Tissue Surgery Group (GECIRA)

**Dr. Gutiérrez del Sol, Jorge**

- ◆ Specialist in Minimally Invasive Diagnostic and Surgical Techniques for Small Animals
- ◆ Founding Partner of the company VETMI, Minimally Invasive Veterinary Medicine
- ◆ Teacher of the company Vetability Veterinary Training in the Advanced Laparoscopy and Thoracoscopy courses
- ◆ PhD in Laparoscopic Surgery from the University of Extremadura
- ◆ Degree in Veterinary Medicine from the University of Extremadura
- ◆ Internship at the Jesús Usón Minimally Invasive Surgery Center
- ◆ Postgraduate degree in Veterinary Surgery from the University of Barcelona
- ◆ 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
- ◆ Member of the Spanish Association of Minimally Invasive Veterinary Medicine (AEVMI), Endoscopy Working Group of AVEPA (GEA)

**Dr. Palacios Quirós, Nadia**

- ◆ Veterinary Specialist in Endoscopy
- ◆ Head of the Diagnostic and Therapeutic Endoscopy Service at Novaclínica Veterinarios
- ◆ Collaborating Veterinarian at the Veterinary Center La Castellana
- ◆ Founder of the Retamas Veterinary Center Alcorcón, Madrid
- ◆ Specialist at the Castellana Veterinary Center
- ◆ Collaborator as Professor of theory and practice at the Faculty of Veterinary Medicine of the University Alfonso X el Sabio, teaching Endoscopy in the subject of Diagnostic Imaging
- ◆ Resident of Small Animals at the Complutense Veterinary Clinic Hospital
- ◆ Degree in Veterinary Medicine from the Complutense University of Madrid

**Dr. Lizasoain Sanz, Guillermo**

- ♦ Veterinarian at the Veterinary Hospital La Moraleja of the Peñagrande Group
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- ♦ Veterinarian at the Los Madroños Veterinary Clinic
- ♦ Veterinarian at Valmeda Veterinary Clinic
- ♦ Degree in Veterinary Medicine, Complutense University Madrid





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*A unique, key, and decisive educational experience to boost your professional development”*

# 04

# Structure and Content

The structure of the content has been designed by leading professionals in the Veterinary Surgery sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to Veterinary Science.



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*This Postgraduate Diploma in Digestive, Respiratory and Urogenital System Endoscopy in Small Animals contains the most complete and up-to-date Scientific program on the market”*

## Module 1. Digestive Endoscopy. General Information, Techniques and Most Common Diseases

- 1.1. Introduction
  - 1.1.1. History of the Digestive Endoscopy
  - 1.1.2. Patient Preparation
  - 1.1.3. Contraindications and Complications
- 1.2. Equipment and Instruments
  - 1.2.1. Equipment (Flexible and Rigid)
  - 1.2.2. Additional Instruments (Clamps, Baskets, Hoods, Overtube, ...)
  - 1.2.3. Cleaning and Processing of Equipment
- 1.3. Esophagoscopy
  - 1.3.1. Indications
  - 1.3.2. Positioning
  - 1.3.3. Technique
- 1.4. Gastroscopy
  - 1.4.1. Indications
  - 1.4.2. Positioning
  - 1.4.3. Technique
- 1.5. Duodenal Ileostomy
  - 1.5.1. Indications
  - 1.5.2. Positioning
  - 1.5.3. Technique
- 1.6. Colonoscopy
  - 1.6.1. Indications
  - 1.6.2. Positioning
  - 1.6.3. Technique
- 1.7. Endoscopic Management of Foreign Bodies in the Digestive System
  - 1.7.1. Indications
  - 1.7.2. Technique
  - 1.7.3. Complications and Contraindications
- 1.8. Oesophageal Stenosis
  - 1.8.1. Indications
  - 1.8.2. Technique
  - 1.8.3. Complications and Contraindications

- 1.9. Insertion of Feeding Tubes
  - 1.9.1. Indications
  - 1.9.2. Technique
  - 1.9.3. Complications and Contraindications
- 1.10. Polypectomy and Mucosectomy
  - 1.10.1. Indications
  - 1.10.2. Technique
  - 1.10.3. Complications and Contraindications

## Module 2. Respiratory System Endoscopy. General Information, Techniques and Most Common Diseases

- 2.1. Introduction
  - 2.1.1. History of the Respiratory Endoscopy
  - 2.1.2. Patient Preparation
  - 2.1.3. Contraindications and Complications
- 2.2. Equipment and Instruments
  - 2.2.1. Equipment (Flexible and Rigid)
  - 2.2.2. Additional Instruments (Clamps, Baskets, ...)
  - 2.2.3. Cleaning and Processing of Equipment
- 2.3. Rhinoscopy
  - 2.3.1. Indications
  - 2.3.2. Positioning
  - 2.3.3. Technique
- 2.4. Laryngoscopy
  - 2.4.1. Indications
  - 2.4.2. Positioning
  - 2.4.3. Technique
- 2.5. Tracheoscopy
  - 2.5.1. Indications
  - 2.5.2. Positioning
  - 2.5.3. Technique
- 2.6. Bronchoscopy
  - 2.6.1. Indications
  - 2.6.2. Positioning
  - 2.6.3. Technique



- 2.7. Endoscopic Management of Foreign Bodies in the Respiratory System
  - 2.7.1. Indications
  - 2.7.2. Technique
  - 2.7.3. Complications and Contraindications
- 2.8. Nasopharyngeal Stenosis
  - 2.8.1. Indications
  - 2.8.2. Technique
  - 2.8.3. Complications and Contraindications
- 2.9. Tracheal and Broncheal Collapse
  - 2.9.1. Indications
  - 2.9.2. Technique
  - 2.9.3. Complications and Contraindications
- 2.10. Tracheal Stenosis
  - 2.10.1. Indications
  - 2.10.2. Technique
  - 2.10.3. Complications and Contraindications

### Module 3. Urogenital System Endoscopy General Information and Techniques in Most Common Diseases

- 3.1. Introduction
  - 3.1.1. History of the Urinary Endoscopy
  - 3.1.2. Patient Preparation
  - 3.1.3. Contraindications and Complications
- 3.2. Equipment and Instruments.
  - 3.2.1. Equipment (Flexible and Rigid)
  - 3.2.2. Additional Instruments (Laser, Pincers, Baskets, Fibers, Hydrophilic Guides, ...)
  - 3.2.3. Cleaning and Processing of Equipment
- 3.3. Urethroscopy
  - 3.3.1. Indications
  - 3.3.2. Positioning
  - 3.3.3. Technique
- 3.4. PCCL
  - 3.4.1. Indications
  - 3.4.2. Positioning
  - 3.4.3. Technique

- 3.5. Percutaneous Nephroscopy
  - 3.5.1. Indications
  - 3.5.2. Positioning
  - 3.5.3. Technique
- 3.6. Vaginoscopy
  - 3.6.1. Indications
  - 3.6.2. Positioning
  - 3.6.3. Technique
- 3.7. UGELAB- Ultrasound-Guided Endoscopic Laser Ablation
  - 3.7.1. Indications
  - 3.7.2. Technique
  - 3.7.3. Complications and Contraindications
- 3.8. Transcervical Insemination
  - 3.8.1. Indications
  - 3.8.2. Technique
  - 3.8.3. Complications and Contraindications
- 3.9. Ureteral Stents
  - 3.9.1. Indications
  - 3.9.2. Technique
  - 3.9.3. Complications and Contraindications
- 3.10. Intracorporeal Lithotripsy
  - 3.10.1. Indications
  - 3.10.2. Technique
  - 3.10.3. Complications and Contraindications



*This program will allow you to advance in your career in a seamless way"*

# 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.





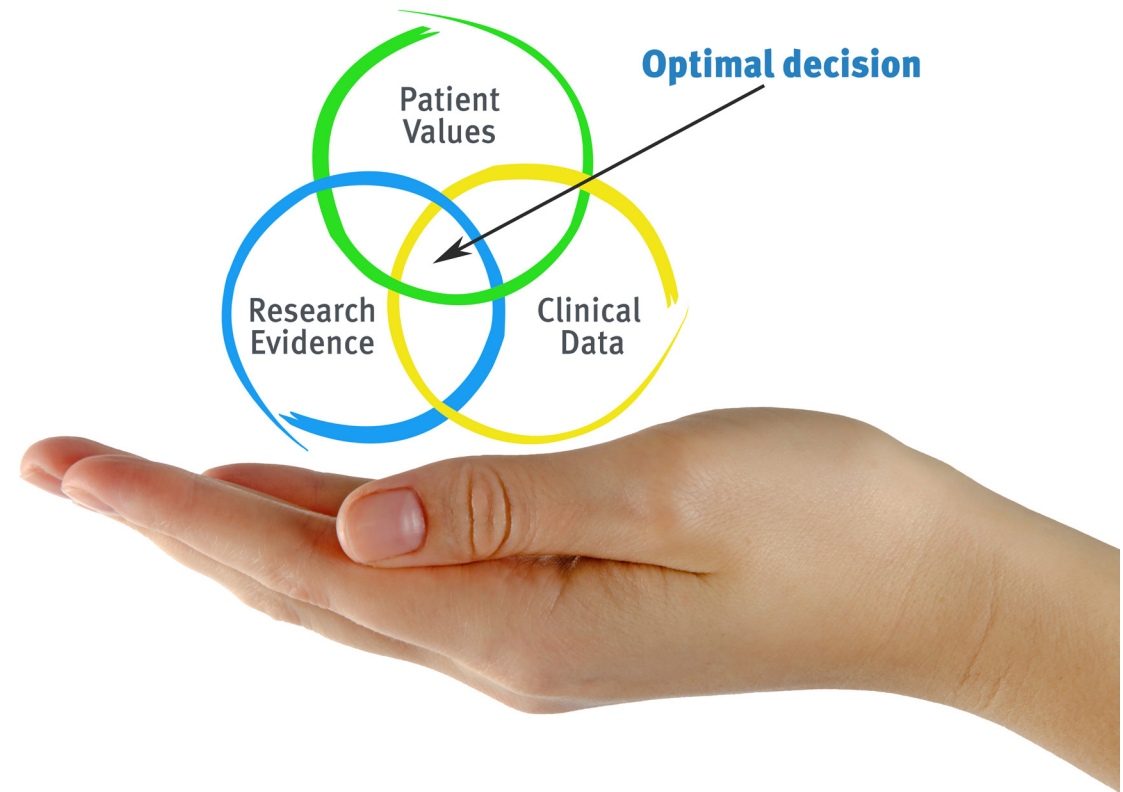
“

*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.

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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.*

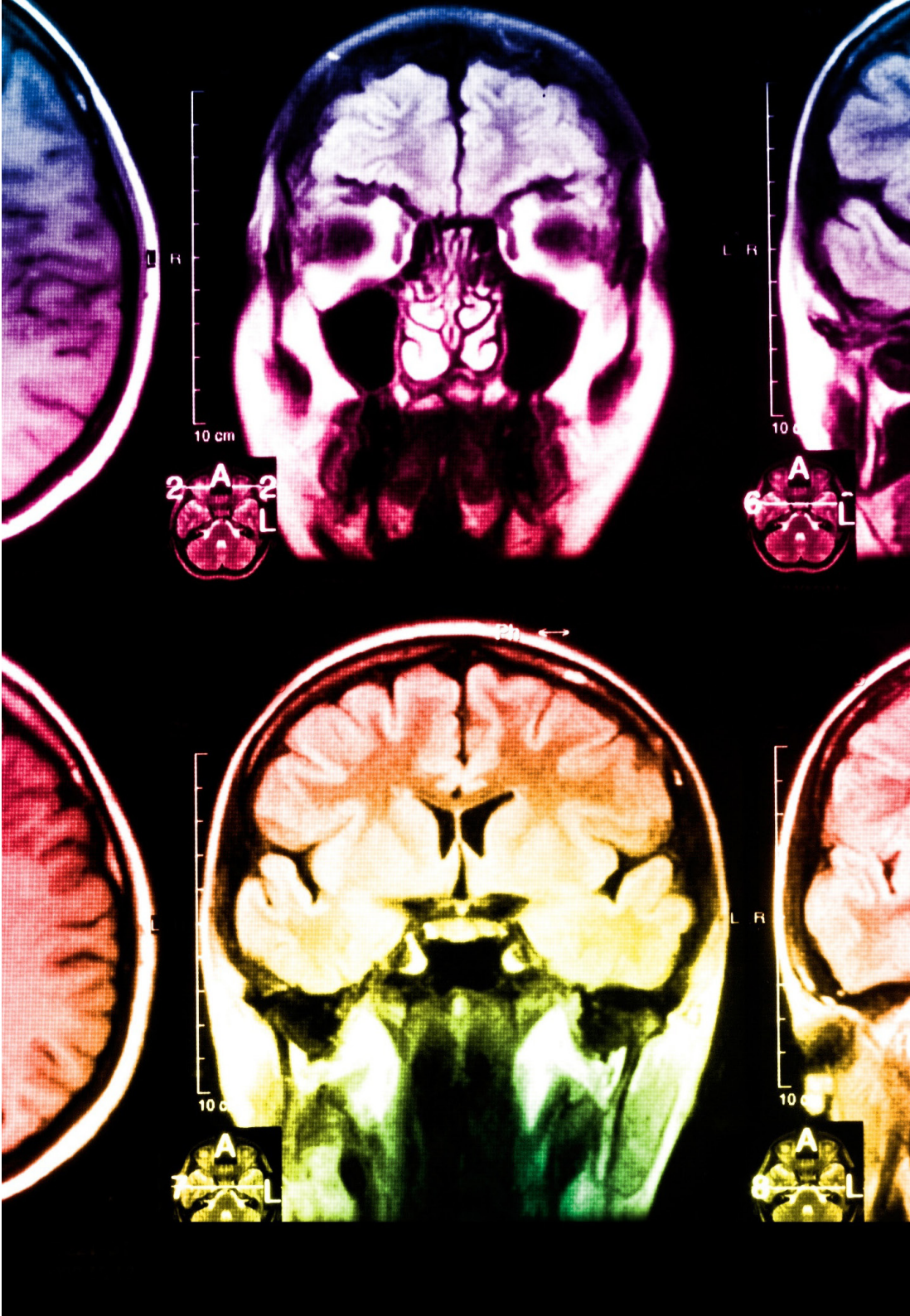
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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.

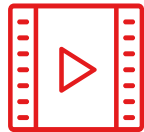
*Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.*

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".

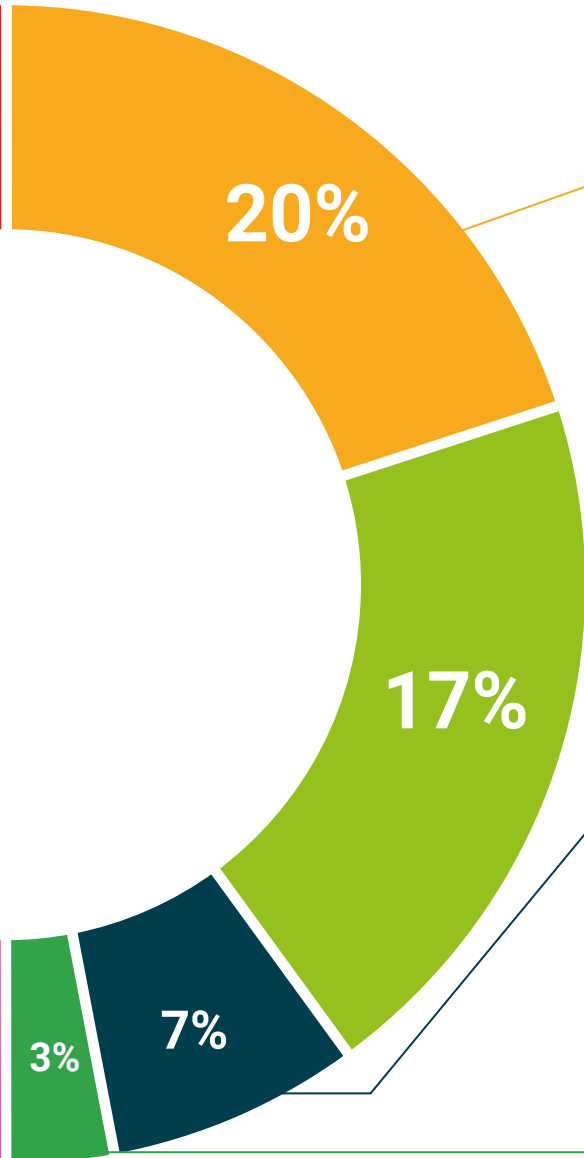


### Additional Reading

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 Digestive, Respiratory and Urogenital System Endoscopy 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



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*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 Digestive, Respiratory and Urogenital System Endoscopy 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.

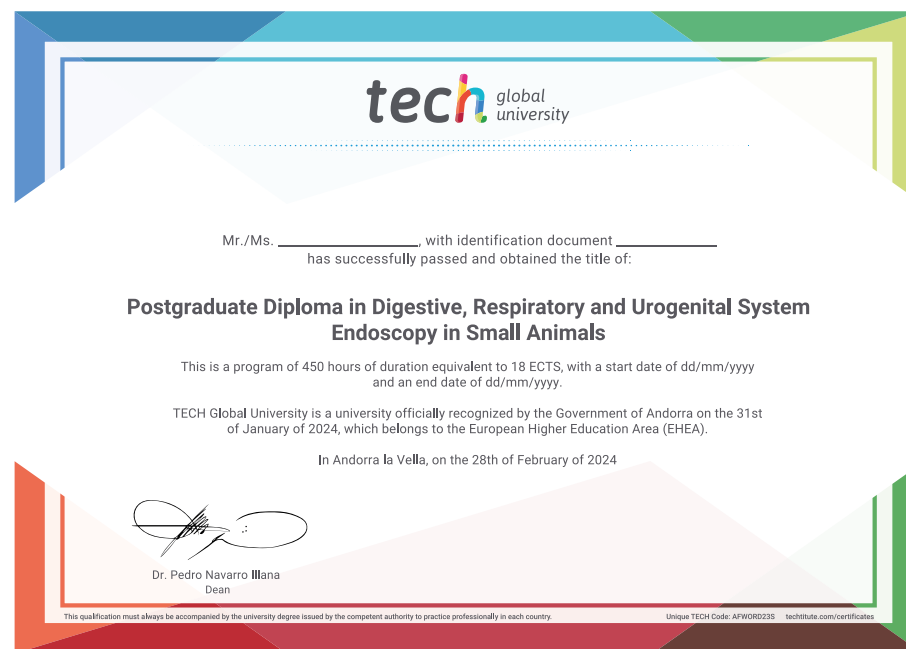
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Digestive, Respiratory and Urogenital System Endoscopy in Small Animals**

Modality: **online**

Duration: **6 months**

Credits: **18 ECTS**





## Postgraduate Diploma

Digestive, Respiratory and Urogenital System Endoscopy in Small Animals

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

# Postgraduate Diploma

Digestive, Respiratory and Urogenital  
System Endoscopy in Small Animals