Postgraduate Certificate
Genitourinary and Nervous System Tumors in Small Animals

tech technological university

Postgraduate Certificate

Genitourinary and Nervous System Tumors 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/genitourinary-nervous-system-tumors-small-animals**

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01
Introduction

In this Postgraduate Certificate, the most frequent Genitourinary and Nervous System Tumors in small animals will be examined. The most frequent techniques that can be used in the surgical treatment of these tumors will also be addressed.

A unique opportunity to specialise in a high-demand professional field.

Become one of the most demanded professionals today: Train in Genitourinary and Nervous System Tumors in Small Animals with this comprehensive Postgraduate Certificate"

This high-level program will cover the most common tumors affecting the male and female reproductive systems and will develop diagnostic and treatment protocols for these tumors.

It will then address urinary system tumors, which account for about 2% of all tumors in dogs. It will outline the latest techniques in diagnosis, such as staging of the disease, as well as classical and interventional radiology approaches to this type of tumors.

Finally, nervous system tumors will be discussed, distinguishing between primary tumors that affect the brain and spinal cord and secondary tumors that metastasize to the brain or spinal cord from a distant site or affect nerve tissue by direct extension. Diagnosis, the key neurological examination to determine the location, as well as the imaging techniques necessary to perform the staging and therapeutic approach will also be discussed. The different treatment paths will be assessed and the most frequent surgical techniques for the approach to nervous system tumors will be described.

As it is an online Postgraduate Certificate, students are not constrained by fixed schedules, nor are they required to commute to a different physical 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 Genitourinary and Nervous System Tumors in Small Animals** contains the most complete and up-to-date scientific program on the market. The most important features include:

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

A unique, key, and decisive training experience to boost your professional development"

"Get a complete and suitable qualification in Genitourinary and Nervous System Tumors in Small Animals with this highly effective Postgraduate Certificate and open new paths for your professional progress"

With a methodological design based on proven teaching techniques, this program will take you through different teaching approaches to allow you to learn in a dynamic and effective way.

Our teaching staff is made up of professionals from different fields related to this specialty. That way, TECH ensures to offer the updating objective it intends to provide. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will bring the practical knowledge from their own experience to the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodology used in the design of this Postgraduate Certificate in Genitourinary and Nervous System Tumors in Small Animal**s**. Developed by a multidisciplinary team of e-learning experts, it integrates the latest advances in educational technology. That way, students will study with a range of easy-to-use and versatile multimedia tools that will give them the necessary skills needed during training.

The design of this program is based on Problem-Based Learning: an approach that views learning as a highly practical process. To achieve this remotely, TECH will use telepractice: with the help of an innovative interactive video system and Learning from an Expert, the student will be able to acquire the knowledge as if they were facing the scenario they are learning at that moment. A concept that will allow students to integrate and memorize what they have learnt in a more realistic and permanent way.

02
Objectives

The objective is to train highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just a few months, can be achieved with a high intensity and precision Postgraduate Certificate.

> *If your objective is to broaden your skills set to include new paths of success and development: this is the Postgraduate Certificate for you: a program that aspires to excellence"*

General Objectives

- Develop diagnostic and therapeutic protocols for the main male and female genital tract tumors
- Generate diagnostic and therapeutic algorithms for the main urinary tumors in dogs and cats
- Evaluate the different diagnostic procedures and specify treatments for the main tumors affecting the nervous system in dogs and cats
- Examine the different techniques that exist for surgically treating patients with genitourinary and nervous system tumors

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

Specific Objectives

- Define the different tumors affecting the urogenital tract in dogs and cats
- Evaluate the classical and minimally invasive diagnostic techniques used in tumors affecting the urogenital tract in dogs and cats
- Establish the different medical and surgical treatments for urogenital tumors in dogs and cats
- Analyze the new minimally invasive therapeutic strategies and interventional radiology in tumors affecting the urogenital system in dogs and cats
- Establish the risk and prognostic factors in canine and feline urogenital tumors
- Define the different brain and spinal cord tumors affecting dogs and cats
- Generate algorithms for the diagnosis of nervous system tumors in dogs and cats based on clinical history, physical examination and imaging techniques
- Develop the different therapeutic alternatives for the treatment of nervous system tumors in dogs and cats

03
Course Management

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

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" *A unique opportunity to learn from internationally renowned professors, with teaching, clinical and research experience"*

Management

Dr. Ortiz Díez, Gustavo

- Head of Small Animal Department, Complutense Clinical Veterinary Hospital
- Associate Professor, Department of Animal Medicine and Surgery, Faculty of Veterinary Medicine, Complutense University of Madrid
- PhD and Undergraduate Degree in Veterinary Medicine from the UCM
- Graduate in Psychology, UNED (2020)
- AVEPA Accredited Soft Tissue Surgery
- Member of the scientific committee and current president of GECIRA (AVEPA's Soft Tissue Surgery Specialty Group)
- 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
- Courses of laparoscopic and thoracoscopic surgery at the Minimally Invasive Center Jesús Usón. Accredited in functions B, C, D and E of Experimentation Animals, Community of Madrid
- Degree in Emotional Intelligence, UR Completed training in Gestalt psychology
- ICT Competencies Course for Teachers, UNED

Professors

Dr. Álvarez Ibañez, Jorge

* Head of the Neurology and Neurosurgery Service, San Fermin Veterinary Hospital
* Member of the Neurology and Neurosurgery Service, 4 de Octubre Veterinary Hospital
* Degree in Veterinary Medicine, Faculty of Veterinary Medicine of Lugo, University of Santiago de Compostela, 2010
* Specialization in Neurology, Neurosurgery and Neuroimaging, University of Luxembourg ESAVS Neurology, Bern, Switzerland; and Neurosurgery, Tuttlingen, Germany
* Completion of multiple specialization and accreditation courses in the areas of neurology, neurosurgery, traumatology and orthopedics, vascular and interventional surgery and general surgery
* Currently in the process of accreditation for the specialty of neurology and neurosurgery, AVEPA Member of Neurology and Orthopedics working groups, AVEPA
* Stays in several leading centers in neurology and neurosurgery

Dr. Hernández Bonilla, Milagros

* Veterinarian in charge of the Internal Medicine and Oncology Service, La Salle Veterinary Center, 2017 - Present
* Graduated in Veterinary Medicine, 2011 University of León
* Master's Degree in Veterinary Research and Food Science and Technology University of León, 2011 - 2012
* General Practitioner Certificate Program in Oncology 2017 - 2018 Improve International, Madrid
* In the process of accreditation in Veterinary Oncology, AVEPA (GEVONC)
* Member of AVEPA (Association of Veterinary from Specialists in Small Animals)
* Member of GEVONC (Group of specialists in Veterinary Oncology)
* Member of the Official College of Veterinarians Asturias (331930)
* Royal College of Veterinary Surgeons Nº 7369353
* 2012 - 2014 internship in Emergency and Intensive Care, Veterinary Hospital of the University of Murcia
* 2014-2017 Veterinarian in different private centers in Asturias. Spain

Structure and Content

The contents of this program have been developed by the different experts on the course, with a clear purpose: to ensure our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.

"

A complete program that will take you through the exhaustive knowledge necessary to intervene as a specialist in the theoretical and practical aspects of Genitourinary and Nervous System Tumors in Small Animals"

Module 1. Genitourinary Tumors. Nervous System Tumors

1.1.   Female Reproductive System Tumors
    1.1.1.   Epidemiology
    1.1.2.   Diagnosis
    1.1.3.   Treatment
1.2.   Male Reproductive System Tumors
    1.2.1.   Epidemiology
    1.2.2.   Diagnosis
    1.2.3.   Treatment
1.3.   Urinary System Tumors (I)
    1.3.1.   Renal Tumors
    1.3.2.   Diagnosis
    1.3.3.   Treatment
1.4.   Urinary System Tumors (II)
    1.4.1.   Urinary Bladder Tumors
    1.4.2.   Diagnosis
    1.4.3.   Treatment
1.5.   Genitourinary Surgery (I)
    1.5.1.   General Principles of Reproductive System Surgery
    1.5.2.   Surgical Techniques in the Male Genital Tract
    1.5.3.   Surgical Techniques in the Female Genital Tract
1.6.   Genitourinary Surgery (II)
    1.6.1.   Kidney Surgical Techniques
    1.6.2.   Ureter Surgical Techniques
    1.6.3.   Bladder Surgical Techniques
    1.6.4.   Urethra Surgical Techniques

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

20%

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.

15%

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".

15%

3%

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.

20%

17%

7%

3%
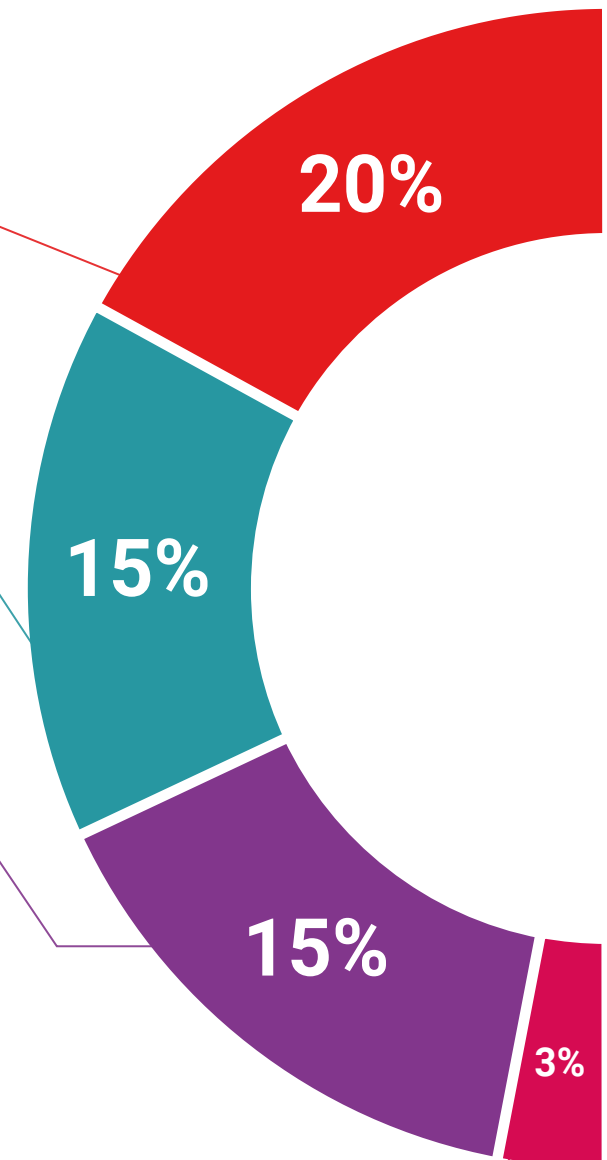
Expert-Led Case Studies and Case Analysis

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 Genitourinary and Nervous System Tumors 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 **Genitourinary and Nervous System Tumors in Small Animals** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Certificate in Genitourinary and Nervous System Tumors in Small Animals**

Official Number of Hours: **150 h.**

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Awards the following

DIPLOMA

to

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

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Genitourinary and Nervous System Tumors 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

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

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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