

# Postgraduate Certificate Soft Tissue Surgery





## Postgraduate Certificate Soft Tissue Surgery

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/veterinary-medicine/postgraduate-certificate/soft-tissue-surgery](http://www.techtute.com/us/veterinary-medicine/postgraduate-certificate/soft-tissue-surgery)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 18*

05

Methodology

---

*p. 24*

06

Certificate

---

*p. 32*

# 01

# Introduction

The surgery of slaughter animals has progressed enormously in recent times. Currently, veterinarians can perform their work with technological advances such as laparoscopy, teloscopy or ultrasound diagnostics, even in field surgery. Applying it in the context of ruminant care requires the specific knowledge that this form of work entails. The students will be able to acquire these skills during this program, with the quality of the best training and the flexibility they need.





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*Very diverse and complex situations frequently arise in the ruminant clinic. This specific Postgraduate Certificate will show you the most up-to-date forms of intervention to increase success in all of them”*

In all animal species, there is an economic limitation to be able to perform a surgical procedure, but it is in the surgery of animals for slaughter where it reaches its greatest expression. There are two fundamental differences in ruminant surgery: the economic limitation, maintaining the productivity of the animal, and the place where we perform the surgery (operating room). Many surgical procedures are going to be performed in an unclean environment, on the farm itself, with conspecifics around; dirt, insects, wind and with the patients themselves moving around or trying to kick you (standing surgery).

The ruminant surgeon will be confronted with numerous situations of varying complexity, having to perform castrations, resolve dystocic deliveries by cesarean section or perform abomasopexy, even by laparoscopy.

The surgery of animals for slaughter has progressed enormously with technological advances such as laparoscopy, teloscopy or ultrasound diagnosis even in field surgery.

It is essential to emphasize the importance of animal welfare, which is already taken for granted by veterinarians, farmers and the general public. We must know the basics of pain and its proper management through sedation and analgesia techniques and the surgical procedures necessary to resolve the pre-existing pathology.

This module reviews the principles of ruminant surgery and reviews diagnostic procedures, surgical indications, operative techniques and postoperative management in digestive, skin, ocular, umbilical, male and female genital, and urinary tract surgery.

This **Postgraduate Certificate in Soft Tissue Surgery** contains the most complete and up-to-date educational program on the market. The most important features of the program 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-assessment 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 course



*Essential yet rare specialization for the specialist veterinary clinician that will set you apart as a specialist in this field of work"*

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*The clinical, specialized and advanced fundamentals, based on veterinary evidence that will allow you to face the daily intervention in cattle and ruminants”*

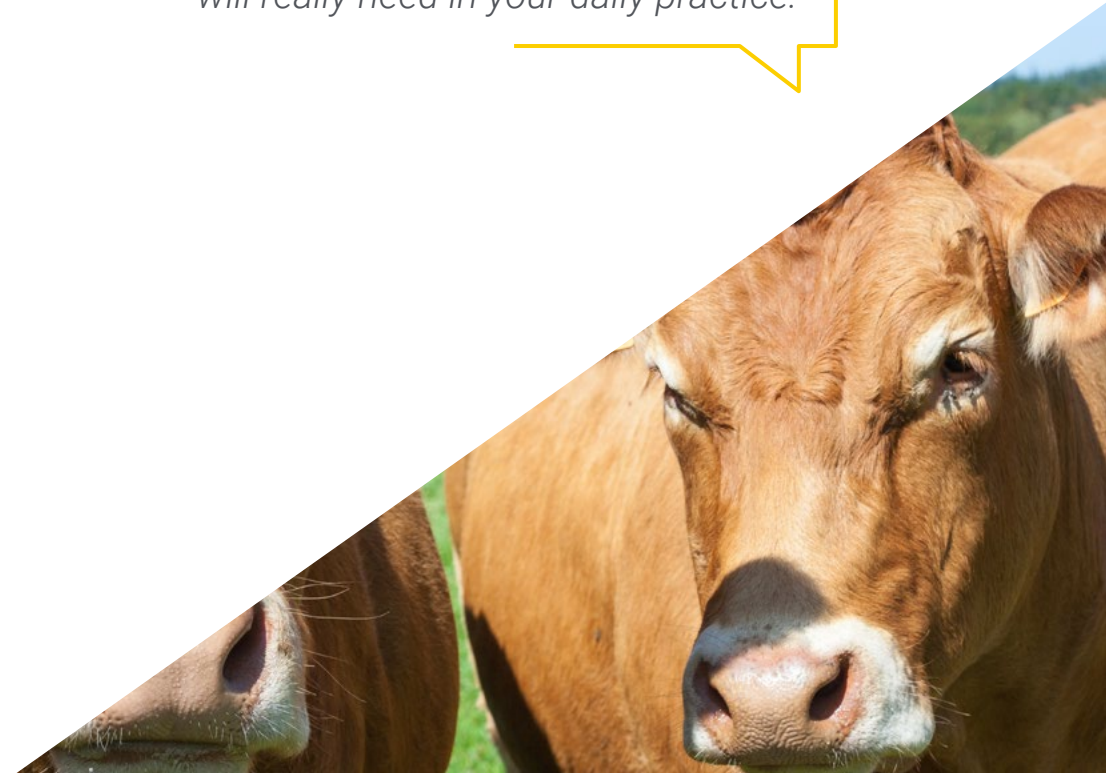
Our teaching staff is made up of professionals from different fields related to this specialty. In this way, TECH makes sure to offer professionals the up-to-date objective it intends. A multidisciplinary team of professionals trained and experienced in different environments who will develop theoretical knowledge efficiently, but, above all, will provide students with practical knowledge derived from their teaching experience: one of the differential qualities of this program.

This mastery of the subject matter is complemented by the effectiveness of the methodological design. Developed by a multidisciplinary team of e-Learning experts, it integrates the latest advances in educational technology. In this way, the student will be able to study with comfortable and versatile multimedia tools that will give them the operability they need in their training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely telepractice will be used: with the help of an innovative system of interactive videos and learning from an expert they will be able to acquire the knowledge as if they were facing the case you are learning at that moment. A concept that will make it possible to integrate learning in a more realistic and permanent way.

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

*Supported by evidence, the approach of this program will allow you to learn in a contextual way and acquire the skills you will really need in your daily practice.*



# 02 Objectives

The completion of this Postgraduate Certificate provides the veterinary professional with specialized and advanced clinical fundamentals, based on evidence to face the daily clinical practice in cattle and ruminants.

In addition to this up-to-date approach to the problems encountered in daily clinical practice, the bibliography provided, and the structuring of the topics will allow you to keep this knowledge up to date.







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*The Postgraduate Certificate in Soft Tissue Surgery will allow the veterinary clinician to update and broaden their knowledge and skills in Ruminant Medicine and Surgery”*



## General Objectives

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- ♦ Review surgical principles and adapt them to ruminant surgery
- ♦ Determine the main surgical conditions affecting soft tissues in ruminants
- ♦ Be able to make the decision to plan a surgical intervention
- ♦ Analyze the fundamental surgical techniques
- ♦ Address perioperative complications
- ♦ Generate specialized knowledge to take the necessary measures to prevent such complications
- ♦ Establish how to search for complementary information on soft tissue surgery in ruminants





## Specific Objectives

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- ♦ Examine, substantiate and develop prognosis of surgical techniques related to common ruminant wounding, dehorning and eye surgery
- ♦ Analyze prognosis of surgical techniques related to umbilicus, foreskin, penis and scrotum surgery
- ♦ Generate specialized knowledge on surgical techniques related to urinary tract surgery



*A comprehensive program that will boost your ability to work in prevention, management and cost reduction in animal production, giving you greater competitiveness in the labor market"*

03

# Course Management

Within the concept of total quality of this Postgraduate Certificate, TECH is proud to offer students a teaching staff of the highest level, chosen for their proven experience. 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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*An impressive teaching staff, made up of professionals of the highest level, will be the professors throughout the program providing the most real, close and current learning experience"*

## Management



### **Dr. Ezquerra Calvo, Luis Javier**

- PhD in Veterinary Medicine from the University of Extremadura
- Degree in Veterinary from the University of Zaragoza
- Specialist in Applied and Experimental Animal Surgery University of Zaragoza
- Specialist in Animal Reproduction and Artificial Insemination University of Zaragoza
- Diploma of the European College of Veterinary Surgeons in Large Animals
- Presents 6 five-year teacher evaluation periods

## Professors

### Dr. Bracamonte, José Luis

- ♦ Founding Fellow of the American College of Veterinary Surgeons
- ♦ Doctorate in Veterinary Science in equine laparoscopy
- ♦ Degree in Veterinary Medicine, Faculty of Veterinary Medicine, University of Extremadura, Spain
- ♦ Diploma of the American College of Veterinary Surgery in large animals
- ♦ Diploma of the American College of Veterinary Surgery in large animals
- ♦ Diplomate European College of Veterinary Surgeons (Equine)
- ♦ Certified by the European College of Equine Veterinary Surgery
- ♦ Minimally Invasive Surgery in Large Animal Laparoscopy
- ♦ Founder and specialist in minimally invasive laparoscopic surgery in large animals by the American College of Veterinary Surgery
- ♦ ACVS committee member for minimally invasive surgery specialist
- ♦ Teacher for ACVS Fellowship Programs
- ♦ Large animal surgery especially on horses in the disciplines of Western Pleasure, Barrel Racing, Reining, Cutting and Dressage horses
- ♦ Large animal surgeon in beef cattle/calf (Angus breed) and dairy cattle productions
- ♦ Training of 15 surgical residents, all of whom are ACVS Diplomates
- ♦ Presentations at international surgical congresses and more than 20 national presentations in Canada for equine veterinarians

### Dr. Sardoy, María Clara

- ♦ Integral Equine Veterinary Services Pincén in Córdoba, Argentina
- ♦ Degree in Veterinary Medicine from the University of Buenos Aires, Argentina
- ♦ Master's Degree in Clinical Sciences from Kansas State University, USA
- ♦ Internship in Equine Internal Medicine Kansas State University-Manhattan, KS, USA
- ♦ Residency in Equine Clinical Theriogenology at Equestrian Club Buenos Aires, Buenos Aires, Argentina
- ♦ Faculty member at Milton Equine Hospital in Campbellville, ON, Canada

### Dr. Criado García, Fernando

- ♦ Degree in Veterinary Medicine from the Complutense University Madrid
- ♦ Clinical Veterinarian at Monge Veterinarios S.L.P.
- ♦ Associate Professor in the Department of Animal Medicine and Surgery UCM Veterinary Faculty
- ♦ Collaboration in the teaching of Ruminant Production Medicine at the Faculty of Veterinary Medicine of the Complutense University of Madrid from 2008 to 2014
- ♦ Tutor in Final Degree Projects since 2015
- ♦ Clinical veterinarian in C.V. santa Teresa
- ♦ Collaboration in the work team of the research project, Parasite-host interaction in bovine Besnoitiosis: Study of the molecular mechanisms in target cells and organs that determine the progression of infection
- ♦ Ministry of Economy, Industry and Competitiveness, Ref. AGL 2016- 75202-R
- ♦ Theoretical-practical course called Updating and new applications of musculoskeletal, visceral and reproductive ultrasound in bovine species. U.C.M. Faculty of Veterinary Medicine
- ♦ Oral Communication ANEMBE Vigo, Clinical management of traumatic brain stem injuries in a calf
- ♦ Organizing Committee in ANEMBE Cáceres Seminar for beef cattle
- ♦ ANEMBE Vigo International Congress. ANEMBE Sevilla International Congress

### Dr. Quinteros, Diego Daniel

- ♦ Degree in Veterinary Medicine from the University of Buenos Aires, Argentina
- ♦ Diploma from the American College of Veterinary Surgeons
- ♦ Veterinary Surgeon at Integral Equine Veterinary Services - Pincen, Córdoba
- ♦ Diagnosis and treatment of claudication in sporting equines at Performance Equine Services, Ocala
- ♦ Professor (Head of Practical Works) and Surgeon at the Large Animal Hospital of the

University of the Center of the Province of Buenos Aires

- ♦ Associate Veterinarian at the Equine Reproduction Center "Doña Pilar" - Lincoln, Province of Buenos Aires
- ♦ Member of the surgical team at the Veterinary Center of the Hippodrome of San Isidro-San Isidro, Buenos Aires, Argentina
- ♦ Private outpatient practice at the San Isidro Hippodrome-San Isidro, Buenos Aires
- ♦ Intensive care of colic patients
- ♦ San Isidro Hippodrome Veterinary Center-San Isidro, Buenos Aires

#### **Dr. Zurita, Sofía Gabriela**

- ♦ Degree in Veterinary Medicine from the Catholic University of Salta, Argentina
- ♦ Master's Degree in Companion Animal Medicine and Surgery (Small Animals and Equids); Specialty in Equids. Faculty of Veterinary Medicine, University of Extremadura
- ♦ Currently a PhD student at the University of Extremadura
- ♦ From 2018 to the present Veterinarian in the Reception and Diagnostic Service of biological samples of the Veterinary Clinical Hospital of the University of Extremadura
- ♦ Scientific activity, developed in Argentina and currently in Spain, participating in publications on meat quality and infectious diseases
- ♦ Courses and internships in Argentina at the Animal Health Laboratory - INTA EEA Cerrillos-Salta, Meat Quality Laboratories INTA Balcarce Institute of Food Technology Castelar, as well as in Spain at the University of Extremadura
- ♦ Internal Large Animal Veterinary Medicine, Internship in Companion Animal Medicine and Surgery (Small Animals and Equids); Specialty in Equids. HCV – UEx
- ♦ Veterinary Clinics in Emergency Services for small and large animals in the city of Salta, Argentina
- ♦ Organizer of the 3rd NOA Student Veterinary Conference, Salta - Argentina

#### **Dr. Galapero Arroyo, Javier**

- ♦ External advisor to national companies in the Agro-Livestock sector
- ♦ Doctor and Degree in Veterinary Medicine from the University of Extremadura
- ♦ Degree in Veterinary Medicine from the University of Extremadura
- ♦ Master's Degree in extensive livestock farming management
- ♦ Teacher in different graduate and postgraduate courses, university specialization programs and master's degrees
- ♦ Development of doctoral theses and final projects in the Veterinary Degree and as external expert evaluator and member of the tribunal of different doctoral theses
- ♦ Reviewer of scientific articles in three journals indexed in the Journal Citation Report (JCR)

#### **Dr. Gil Molino, María**

- ♦ Responsible for the Diagnostic Service and performing clinical diagnostic tasks in different areas, mainly in Infectious Pathology, Parasitology and Pathological Anatomy and in Medical Pathology and Toxicology
- ♦ Degree in Veterinary Medicine from the University of Extremadura
- ♦ Completion of the Degree Work
- ♦ Diploma of Advanced Doctoral Studies
- ♦ Samples Reception and Veterinary Diagnostic Area at the Clinical Veterinary Hospital





**Dr. Iglesias García, Manuel**

- ◆ Clinical veterinarian and surgeon at the Veterinary Hospital of the Extremadura Hospital at the University of Extremadura
- ◆ PhD from the Alfonso X el Sabio University
- ◆ Degree in Veterinary Medicine from the Alfonso X el Sabio University (UAX)
- ◆ Master's Degree in Equine Surgery and obtained the title of "General Practitioner in Equine Surgery" from the "European School of Veterinary Postgraduate Studies"
- ◆ Master's Degree in Equine Surgery at the Veterinary Hospital of Alfonso X el Sabio University
- ◆ Spanish Certificate in Equine Clinic (CertEspCEq)
- ◆ He actively participates as director of final projects in the Veterinary Degree
- ◆ Collaboration in the teaching of veterinary interns and undergraduate students during the Master's Degree in Equine Surgery
- ◆ Professor of the Master's Degree in Large Animal Boarding at Extremadura University for the last 3 years

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*A high-level team for a very high-quality specialization"*

# 04

# Structure and Content

The contents of this Postgraduate Certificate have been developed by the different experts on this course, with a clear purpose: to ensure that 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.





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

## Module 1. Soft Tissue Surgery

- 1.1. The Surgery. Pre-Operative, Field Preparation, Surgeon Preparation
  - 1.1.1. Pre-surgery Planning
  - 1.1.2. Surgical Attire, Preparation of Surgical Equipment: Gloves, Gowns etc.
  - 1.1.3. Preparation of the Patient and Surgical Area
- 1.2. Surgery of the Pre-Stomachs. Peritonitis
  - 1.2.1. Surgical Physiology and Anatomy
  - 1.2.2. Pathology and Clinical Signs
  - 1.2.3. Surgical Techniques
    - 1.2.3.1. Left Flank Laparotomy
    - 1.2.3.2. Rumenotomy
    - 1.2.3.3. Rumenostomy
  - 1.2.4. Perioperative Management
  - 1.2.5. Peritonitis
- 1.3. Abomasal Surgery. Laparoscopy
  - 1.3.1. Pathogenesis of Abomasal Displacements
  - 1.3.2. Types of Abomasal Displacements
    - 1.3.2.1. Left Displacement of the Abomasum
    - 1.3.2.2. Dilatation/Displacement of the Right Abomasum
      - 1.3.2.2.1. Volvulus of the Right Side of the Abomasum
  - 1.3.3. Clinical Introduction and Diagnosis
  - 1.3.4. Management of Abomasal Displacements
    - 1.3.4.1. Physical Methods
    - 1.3.4.2. Medical Therapy
    - 1.3.4.3. Surgical Techniques
    - 1.3.4.4. Right Flank Omentopexy
    - 1.3.4.5. Right Flank Pyloropexy
    - 1.3.4.6. Left Flank Abomasopexy
    - 1.3.4.7. Right Median Abomasopexy
    - 1.3.4.8. Minimally Invasive Techniques
  - 1.3.5. Postoperative Complications
  - 1.3.6. Management of Abomasal Displacements by Laparoscopy





#### 1.4. Small Intestine, Large Intestine, Rectum and Anus Surgery

##### 1.4.1. Preoperative Assessment and Surgical Decision

##### 1.4.2. Principles of Intestinal Surgery

###### 1.4.2.1. Enterotomy

###### 1.4.2.2. Enterectomy

##### 1.4.3. Postoperative Care

##### 1.4.4. Duodenal Obstruction

##### 1.4.5. Intestinal Intussusception

##### 1.4.6. Jejunal Hemorrhagic Syndrome

##### 1.4.7. Intestinal Volvulus

##### 1.4.8. Trichobezoar

##### 1.4.9. Internal Hernias

##### 1.4.10. Cecal Dilatation and Volvulus

##### 1.4.11. Intestinal Atresia, Anal Atresia

##### 1.4.12. Rectal Prolapse

#### 1.5. Wound Treatment. Dehorning. Ocular Surgery

##### 1.5.1. Physiology of Wound Healing

##### 1.5.2. Wound Management

###### 1.5.2.1. Skin Grafts

##### 1.5.3. Dehorning

###### 1.5.3.1 Methods

###### 1.5.3.1.1. Chemical Dehorning

###### 1.5.3.1.2. Thermal Dehorning

###### 1.5.3.1.3. Cutting Dehorning

###### 1.5.3.1.4. Cosmetic Dehorning

##### 1.5.4. Muzzle Ring Placement

##### 1.5.5. Ablation of Skin Folds in Sheep

##### 1.5.6. Predator Attack

##### 1.5.7. Tail Docking in Lambs

##### 1.5.8. Removal of Goat Odor Glands

- 1.5.9. Ocular Surgery
  - 1.5.9.1. Review, Anamnesis, Medication
    - 1.5.9.1.1. Instruments
    - 1.5.9.1.2. Surgical Plan
    - 1.5.9.1.3. Anesthesia
    - 1.5.9.1.4. Post-Surgery Care
    - 1.5.9.1.5. Complications
  - 1.5.9.2. Diagnosis of Orbit and Eyeball Diseases
    - 1.5.9.2.1. Transpalpebral Catheter Placement
    - 1.5.9.2.2. Enucleation
    - 1.5.9.2.3. Exenteration
    - 1.5.9.2.4. Evisceration and Intrascleral Prosthesis Implantation
    - 1.5.9.2.5. Mass Removal (Excision)
    - 1.5.9.2.6. H Blepharoplasty
    - 1.5.9.2.7. Nictitating Membrane Excision
    - 1.5.9.2.8. Superficial Lamellar Keratectomy
    - 1.5.9.2.9. Removal of Retrobulbar Fat
    - 1.5.9.2.10. Flaps of the Nictitating Membrane or Third Eyelid
    - 1.5.9.2.11. Total Conjunctival Flap
    - 1.5.9.2.12. Pedicle Conjunctival Flap
    - 1.5.9.2.13. Temporal Tarsorrhaphy
    - 1.5.9.2.14. Reversible Tarsorrhaphy
    - 1.5.9.2.15. Correction of Ectropion and Entropion
    - 1.5.9.2.16. Repair of Eyelid Lacerations
    - 1.5.9.2.17. Palpebral Nerve Palsy
    - 1.5.9.2.18. Eyelid Tumors
    - 1.5.9.2.19. Eyeball Lacerations
    - 1.5.9.2.20. Orbital and Periorbital Fractures
    - 1.5.9.2.21. Cataract Surgery
- 1.6. Navel Surgery. Foreskin, Penis and Scrotum
  - 1.6.1. Umbilical Hernias and Infections and Masses
    - 1.6.1.1. Urachal Cysts and Ruptures
  - 1.6.2. Penile Surgeries
    - 1.6.2.1. Penile Examination
    - 1.6.2.2. Penile Hematoma
    - 1.6.2.3. Penile Deviations
    - 1.6.2.4. Erection Failure
    - 1.6.2.5. Penile Tumors
    - 1.6.2.6. Teaser Bulls Surgery
    - 1.6.2.7. Persistent Frenulum
  - 1.6.3. Foreskin Surgeries
    - 1.6.3.1. Relocation of Penis and Foreskin
    - 1.6.3.2. Avulsion of Foreskin
    - 1.6.3.3. Ring of Hairs on the Foreskin
    - 1.6.3.4. Prolapse of Foreskin
    - 1.6.3.5. Erosions of the Foreskin
    - 1.6.3.6. Foreskin Abscess
  - 1.6.4. Scrotum
    - 1.6.4.1. Uni and Bilateral Castration
    - 1.6.4.2. Non-Crucial Castration
    - 1.6.4.3. Testicular Biopsy
    - 1.6.4.4. Cryptorchidism
    - 1.6.4.5. Scrotal Trauma
    - 1.6.4.6. Inguinal/Scrotal Hernia
    - 1.6.4.7. Epididectomy
    - 1.6.4.8. Vasectomy

- 1.7. Genital Surgery of the Female: Uterine Torsion, Uterine and Vaginal Prolapse. Perineal Laceration. Urovagina
  - 1.7.1. Vaginal Prolapse
    - 1.7.1.1. Etiopathogenesis
    - 1.7.1.2. Classification: 1st, 2nd, 3rd, 4th Degree
    - 1.7.1.3. Resolution and Containment Techniques
  - 1.7.2. Uterine Prolapse
    - 1.7.2.1. Restraint and Reassurance
    - 1.7.2.2. Resolution and Containment
  - 1.7.3. Neumovagina
    - 1.7.3.1. Tranquilization and Epidural Anesthesia
    - 1.7.3.2. Surgical Material
    - 1.7.3.3. Surgical Technique
  - 1.7.4. Perineal Laceration
    - 1.7.4.1. Classification: 1st, 2nd, 3rd Degree and Rectovaginal Fistula
    - 1.7.4.2. Surgical Resolution
  - 1.7.5. Urovagina
    - 1.7.5.1. Etiology
    - 1.7.5.2. Surgical Resolution
  - 1.7.6. Uterine Torsion
    - 1.7.6.1. Diagnosis
    - 1.7.6.2. Resolution
- 1.8. Urinary Surgery: Nephrectomy, Urolithiasis
  - 1.8.1. Urolithiasis
    - 1.8.1.1. Clinical Signs
    - 1.8.1.2. Treatment
      - 1.8.1.2.1. Urethral Surgery
        - 1.8.1.2.1.1. Urethral Process Amputation
        - 1.8.1.2.1.2. Urohydropulsion
        - 1.8.1.2.1.3. Urine Acidification
        - 1.8.1.2.1.4. Penile Amputation
        - 1.8.1.2.1.5. Perineal Urethrosomy

- 1.8.1.2.1.6. Ischial Urethrostomy
- 1.8.1.2.1.7. Modified Proximal Perineal Urethrosomy
- 1.8.1.2.1.8. Ischial Urethrostomy
- 1.8.1.2.1.9. Urethrotomy
- 1.8.1.3. Pre-Operative Considerations
- 1.8.1.4. Complications
- 1.8.2. Unilateral Nephrectomy
- 1.8.3. Renal Biopsy
- 1.9. Udder and Nipple Surgery
  - 1.9.1. Udder and Nipple Anatomy
  - 1.9.2. Diagnosis of Surgical Conditions
  - 1.9.3. Nipple Lacerations
  - 1.9.4. Congenital Disorders
  - 1.9.5. Alterations in Milk Let-Down
  - 1.9.6. Mastectomy
- 1.10. Surgery of the Respiratory System: Sinus, Tracheotomy, Thorax
  - 1.10.1. Breasts
  - 1.10.2. Tracheostomy
  - 1.10.3. Chest



*This will provide key specialization to advance your career"*

# 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 Certificate in Soft Tissue Surgery 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"*

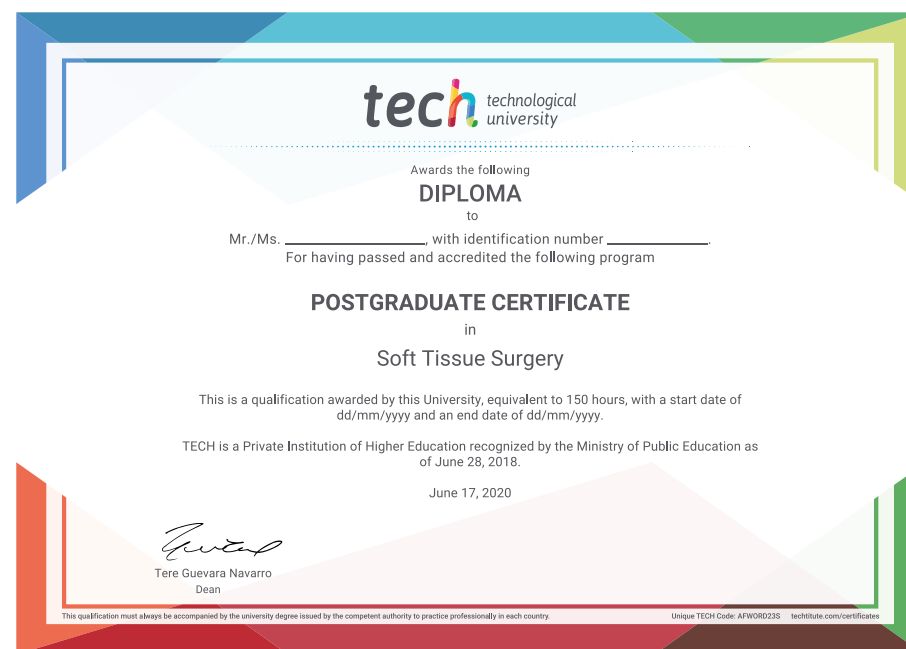
This **Postgraduate Certificate in Soft Tissue Surgery** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Certificate in Soft Tissue Surgery**

Official N° of Hours: **150 h.**



\*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.

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



## Postgraduate Certificate Soft Tissue Surgery

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate Soft Tissue Surgery

