

Postgraduate Certificate

Pelvic Fractures





Postgraduate Certificate Pelvic Fractures

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

Website: www.techtitute.com/us/veterinary-medicine/postgraduate-certificate/pelvic-fractures

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01

Introduction

Pelvic fractures account for 20-30% of all fractures in small animals, which is a high incidence in the clinical situation of trauma and orthopedic services in veterinary hospitals and clinics. Therefore, they require the training and specialization of veterinary professionals.



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This training is the best option you can find to specialize in Pelvic Fractures”

The teaching team of this Postgraduate Certificate in Pelvic Fractures has carefully selected the different state-of-the-art techniques for experienced professionals working in the veterinary field.

These fractures are characterized by commonly affecting more than one of the bones of the pelvis or associated adjoining structures. This is a situation that requires the clinician to have in-depth knowledge of the anatomy and biomechanics of the pelvis in order to achieve an optimal therapeutic result in each patient.

It is of vital importance to know the pathophysiological alterations that can be found in a patient with a pelvic fracture, since most of these cases are associated with high-energy trauma, such as traffic accidents or falls from a height.

For this reason, and due to the anatomical relationships of the pelvis, this program explains what injuries can be found associated with these fractures (damage to neurological structures, abdominal organs and abdominal wall injuries, among others), as well as in other regions distant from the pelvis (thoracic injuries or craniocerebral trauma, for example) in order to offer a comprehensive therapeutic management to our patient.

From the therapeutic point of view, multiple options have been described for the management of these pelvic fractures, ranging from conservative treatment to surgical therapy with pins, screws, plates and external fixators. This is why the veterinary traumatologist must specialize in the various options and recommendations in each case in order to choose the most appropriate treatment according to the clinical problem.

The teachers in this training are university professors with between 10 and 50 years of classroom and hospital experience. They are professors from schools on different continents, with different ways of doing surgery and with world-renowned surgical techniques. This makes this Postgraduate Certificate a unique specialization program, different from any other that may be offered in other universities.

Being an online program, the student is not constrained by fixed schedules or the need to move to another physical location, but can access the contents at any time of the day, balancing their work or personal life with their academic life as they wish.

This **Postgraduate Certificate in Pelvic Fractures** contains the most complete and up-to-date educational program on the market. The most important features of the program include:

- ◆ Practical cases presented by experts in Bone Plates and Screws
- ◆ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ Latest innovations in Pelvic Fractures
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Special emphasis on innovative methodologies in Pelvic Fractures
- ◆ 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



Do not miss the opportunity to study this Postgraduate Certificate in Pelvic Fractures with us. It's the perfect opportunity to advance in your career"

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This course is the best investment you can make in selecting a refresher program to bring your knowledge of Pelvic Fractures up to date.”

Its teaching staff includes professionals from the veterinary field, who bring to this training their work experience, as well as recognized specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic program. For this, the professional will have the help of an innovative interactive video system made by leading experts in Pelvic Fractures with extensive experience.

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

This 100% online program's degree will allow you to combine your studies with your professional work while increasing your knowledge in this field.



02 Objectives

The Postgraduate Certificate in Pelvic Fractures is aimed at aiding the professional's performance with the latest advances and most innovative treatments in the sector.



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This program is the best option you can find to specialize in Pelvis Fracture"



General Objectives

- Specify the anatomy of the pelvic region as well as closely related regions
- Identify "candidate patients" for conservative or surgical treatment following a pelvic fracture
- Specialise in the various fixation systems for pelvic fractures
- Establish the main complications associated with pelvic fractures
- Assess the immediate post-surgical needs of patients with pelvic fractures, as well as their medium and long-term evolution



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





Specific Objectives

- ◆ Analyze and identify the clinical features associated with a pelvic fracture
- ◆ Recognize and evaluate the different factors in patients with pelvic fractures that allow us to make an accurate prognosis
- ◆ Perform surgical approaches in the various anatomical regions where therapeutic procedures are carried out
- ◆ Apply the various conservative therapies in patients with pelvic fractures, both in the initial stages and in the subsequent weeks of recovery
- ◆ Specialize the veterinary professional in the performance of standard and proper maneuvers in the reduction of pelvic fractures
- ◆ Select the appropriate surgical implant for each type of pelvic pathology, identifying the advantages and disadvantages of each case
- ◆ Specialize the veterinary professional in the surgical techniques characteristic of specific pelvic pathologies
- ◆ Perform a correct analgesic management of patients immediately post surgery and in the medium- and long-term
- ◆ Develop the main methods of rehabilitation and return to function of patients with pelvic fractures

03

Course Management

The teaching staff of the program includes leading experts in Veterinary Traumatology and Orthopedic Surgery, who bring their years of experience to this program. They are world-renowned doctors from different countries with proven theoretical and practical professional experience.



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Leading professionals in the field have come together to share with you all their knowledge on Pelvic Fractures”

Management



Dr. Soutullo Esperón, Ángel

- ◆ Head of the surgery service at the University Hospital of the Alfonso X el Sabio University
- ◆ Owner of the veterinary clinic ITECA
- ◆ Degree in Veterinary Medicine from the Complutense University of Madrid
- ◆ Master's Degree in Surgery and Traumatology the Complutense University of Madrid
- ◆ Diploma of Advanced Studies in Veterinary Medicine from the Complutense University of Madrid
- ◆ Member of the Scientific Committee of GEVO and AVEPA
- ◆ Lecturer at the Alfonso X el Sabio University in the subjects of Radiology, Surgical Pathology and Surgery
- ◆ Head of the surgery section on the AEVA Master's Degree in Small Animal Emergencies.
- ◆ Study of the clinical repercussions of corrective osteotomies TPLO (TFG Meskal Ugatz)
- ◆ Study of the clinical repercussions of corrective osteotomies in TPLO (TFG Ana Gandía)
- ◆ Studies of biomaterials and xenografts for orthopedic surgery

Professors

Dr. Borja Vega, Alonso

- ♦ Advanced PGCert in Small Animal Orthopedics
- ♦ Postgraduate Course in Veterinary Ophthalmology UAB
- ♦ SETOV practical course on initiation to osteosynthesis.
- ♦ Advanced elbow course

Dr. García Montero, Javier

- ♦ Member of the Official College of Veterinarians of Ciudad Real, Veterinary Hospital Cruz Verde (Alcazar de San Juan).
- ♦ Traumatology and Orthopedics, Surgery and Anesthesia Service Manager
- ♦ El Pinar Veterinary Clinic (Madrid)

Dr. Guerrero Campuzano, María Luisa

- ♦ Director, exotic animal and small animal veterinarian, Petiberia Veterinary Clinic
- ♦ Zoo veterinarian
- ♦ Member of the Official College of Veterinarians of Madrid

Dr. Monje Salvador, Carlos Alberto

- ♦ Head of the Outpatient Surgery and Endoscopy Service
- ♦ Head of Surgery and Minimally Invasive Service (endoscopy, laparoscopy, bronchoscopy, rhinoscopy etc.)
- ♦ Head of the Diagnostic Imaging Service (advanced abdominal ultrasound and radiology).

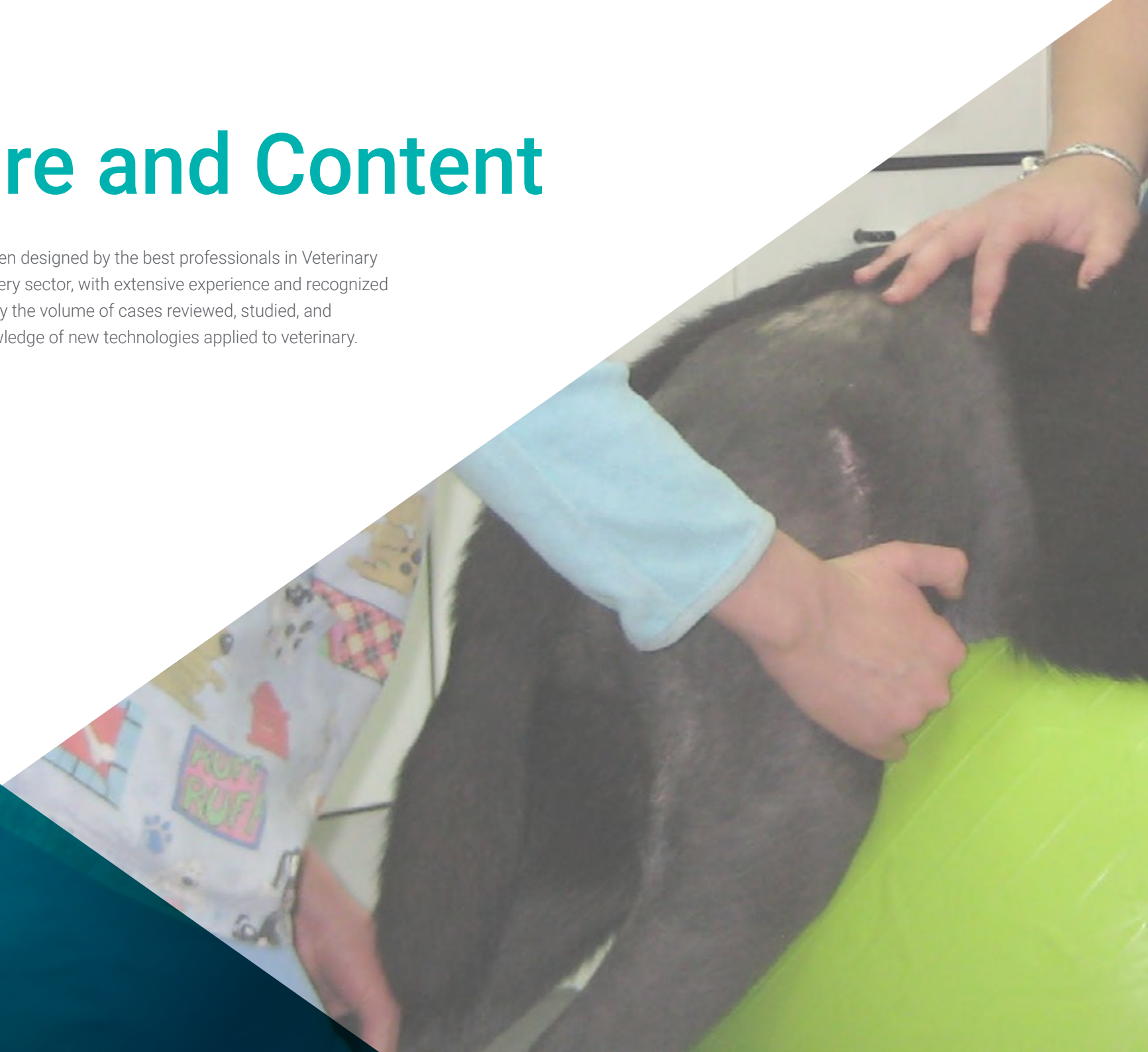
Dr. Flores Galán, José A.

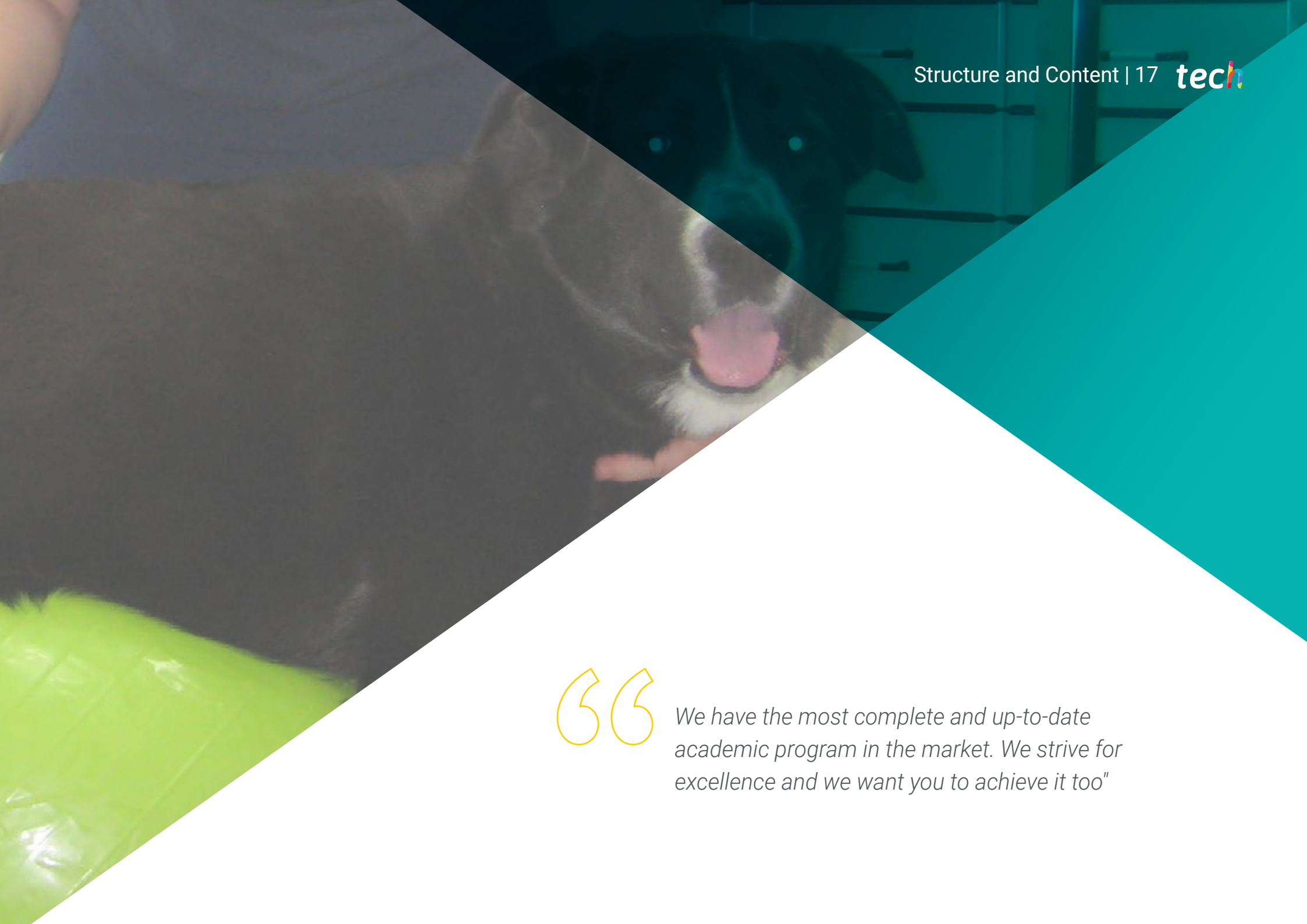
- ♦ Head of the Traumatology, Orthopedics and Neurosurgery Service at Privet Veterinary Hospitals.
- ♦ Degree in Veterinary Medicine from the Complutense University of Madrid
- ♦ PhD student at the Complutense University of Madrid in the field of traumatological surgery in the Dept. of Animal Medicine and Surgery of the Faculty of Veterinary Medicine.
- ♦ Specialist in Traumatology and Orthopedic Surgery in Companion Animals, Complutense University of Madrid

04

Structure and Content

The structure of the content has been designed by the best professionals in Veterinary Traumatology and Orthopedic 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.





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We have the most complete and up-to-date academic program in the market. We strive for excellence and we want you to achieve it too"

Module 1. Pelvic Fractures

- 1.1. Anatomy of the Pelvis
 - 1.1.1. General Considerations
- 1.2. Non-Surgical Group
 - 1.2.1. Stable Fractures.
 - 1.2.2. Weight of the Patient
 - 1.2.3. Age of the Patient
- 1.3. Surgical Group
 - 1.3.1. Intra-Joint Fracture
 - 1.3.2. Closure of the Pelvic Canal.
 - 1.3.3. Joint Instability of a Hemipelvis
- 1.4. Fracture Separation of the Sacro-Iliac Joint
 - 1.4.1. Surgical Approach for Reduction and Fixation
 - 1.4.2. Examples of Surgically Treated Fractures
- 1.5. Fractures of the Acetabulum
 - 1.5.1. Examples of Surgically Treated Fractures
- 1.6. Fracture of the Ilium
 - 1.6.1. Surgical Approach to the Lateral Surface of the Ilium
 - 1.6.2. Examples of Surgically Treated Cases
- 1.7. Ischial Fractures
 - 1.7.1. Surgical Approach to the Body of the Ischium
 - 1.7.2. Examples of Surgically Treated Cases
- 1.8. Pubic Symphysis Fractures
 - 1.8.1. Surgical Approach to the Ventral Surface of the Pubic Symphysis
 - 1.8.2. Reparation Methods
- 1.9. Fractures of the Ischial Tuberosity
 - 1.9.1. Surgical Approach
 - 1.9.2. Healed, Non-Reduced, Compressive Fractures of the Pelvis
- 1.10. Postoperative Management of Pelvic Fractures
 - 1.10.1. The Use of the Harness
 - 1.10.2. Waterbed
 - 1.10.3. Neurological Damage
 - 1.10.4. Rehabilitation and Physiotherapy
 - 1.10.5. Radiographic Studies and Evaluation of the Implant and Bone Repair





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

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. 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 Harvard 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

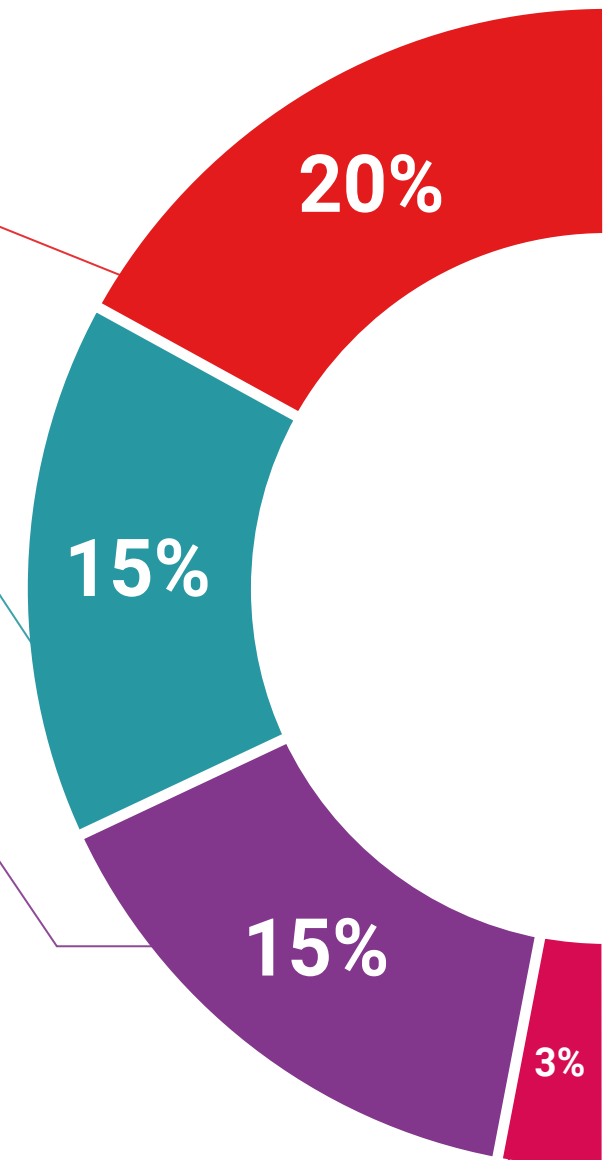
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

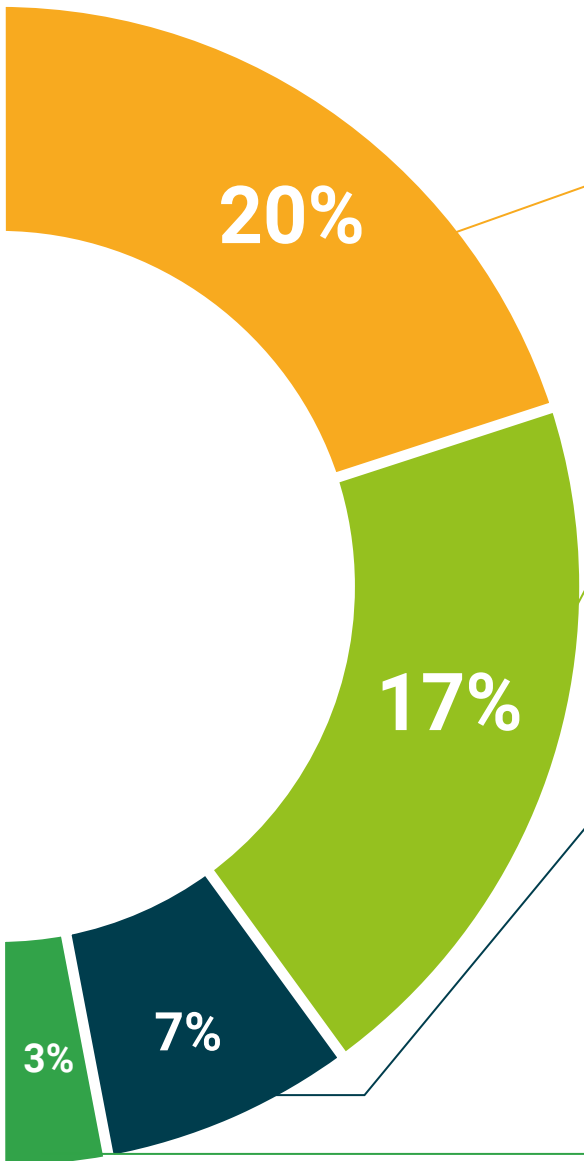
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Pelvic Fractures guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.



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Successfully complete this training and receive your university qualification without travel or laborious paperwork”

This program will allow you to obtain your **Postgraduate Certificate in Pelvic Fractures** 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 Certificate in Pelvic Fractures**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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