

# Postgraduate Certificate

## Manual Therapy In Horses





## Postgraduate Certificate Manual Therapy In Horses

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

Website: [www.techtitute.com/in/physiotherapy/postgraduate-certificate/manual-therapy-horses](http://www.techtitute.com/in/physiotherapy/postgraduate-certificate/manual-therapy-horses)

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# 01

# Introduction

Manual therapy brings many benefits to horses. That's why it is one of the main techniques used in Equine Physiotherapy. In this program you will be able to learn everything related to this type of techniques, so that you are able to apply them in your daily practice and achieve rapid improvement in your equine patients.





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*Increase your training in Manual Therapy in Horses and offer new recovery possibilities to equines with some kind of pathology”*

Manual therapy provides the animal with flexibility, analgesia, muscular relaxation and lots of other positive effects on the tissue. For this reason, it is one of the most requested treatments during equine competitions, achieving great improvements in horses that have been subjected to physical overexertion.

The most commonly used techniques in this field range from massage, to myofascial techniques, stretching or joint manipulations. All of them are applied in the different rehabilitation protocols, as well as in the physical maintenance of sport horses, so it is essential to have a thorough knowledge of them.

This Postgraduate Certificate provides students with specialized tools and skills to successfully develop their professional activity, work on key competencies such as knowledge of the reality and daily practice of the veterinary professional, and develop responsibility in the monitoring and supervision of their work, as well as communication skills within the essential teamwork.

As it is an online program, students will not be bound by fixed schedules or the need to move to another physical location, but rather, they can access the content at any time of the day, balancing their professional or personal life with their academic life.

This **Postgraduate Certificate in Manual Therapy in Horses** contains the most complete and up-to-date educational program on the market. The most outstanding characteristics of this program are:

- ♦ Practical cases presented by experts in equine physiotherapy and rehabilitation
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional development
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in Manual Therapy in Horses
- ♦ 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



*Don't miss the opportunity to study this Postgraduate Certificate with us. It's the perfect opportunity to advance in your career"*

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*This Postgraduate Certificate is the best investment you can make when selecting a refresher program to update your knowledge in Manual Therapy in Horses"*

Its teaching staff includes professionals from the field of physiotherapy, who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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

This program is designed around Problem-Based Learning, whereby the specialist must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned and experienced experts in Manual Therapy in Horses.

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

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



# 02 Objectives

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





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*Our goal is to provide quality training so that our students become the best in their profession”*



## General Objectives

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- Analyze the different modalities of manual therapy, their applications and effects on the horse
- Identify the appropriate manual treatment modalities for each case
- Develop competencies in the application of the different modalities
- Establish a treatment using different manual therapy modalities





## Specific Objectives

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- ♦ Analyze different types of passive kinesitherapy and joint mobilizations
- ♦ Develop the methodology of massage and its applications
- ♦ Examine existing stretches in horses and their applications
- ♦ Develop myofascial therapy techniques and their influence on the horse
- ♦ Define what "Trigger Points" are and their consequences
- ♦ Establish which are the existing treatments of trigger points and their execution
- ♦ Analyze joint manipulative techniques and application methodology

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

03

# Course Management

The program includes in its teaching staff leading experts in Equine Physiotherapy and Rehabilitation who bring to this training the experience of their work. They are world-renowned professionals from different countries with proven theoretical and practical professional experience.





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*Our teaching team is the most complete and successful in the educational panorama”*

## Management



### Dr. Hernández Fernández, Tatiana

- ♦ PhD in Veterinary Medicine from the UCM
- ♦ Diploma in Physiotherapy at the URJC
- ♦ Degree in Veterinary Medicine from the UCM
- ♦ Professor at the Complutense University of Madrid of: Postgraduate Diploma in Equine Physiotherapy and Rehabilitation, Postgraduate Diploma in Bases of Animal Rehabilitation and Physiotherapy, Postgraduate Diploma in Physiotherapy and Rehabilitation of Small Animals, Training Diploma in Podiatry and Shoeing
- ♦ Resident in the area of Equidae at the Clinical Veterinary Hospital of the UCM
- ♦ Practical experience of more than 500 hours in hospitals, sports centers, primary care centers and human physical therapy clinics.
- ♦ More than 10 years working as a specialist in rehabilitation and physiotherapy

## Professors

### Ms. Dreyer, Cristina

- ♦ Degree in Veterinary Medicine from the ULPGC
- ♦ Internship in Sports Medicine and Lameness, at the Lameness Referral Center, NWEF, North West Equine Performance, in Oregon, USA.
- ♦ Postgraduate Diploma in Equine Science by the Veterinary University in Edinburgh
- ♦ Postgraduate Diploma in Bases of Physiotherapy and Animal Rehabilitation from the UCM
- ♦ Postgraduate Diploma in Equine Physiotherapy and Rehabilitation from the UCM
- ♦ Veterinary Chiropractic for IAVC International Academy of Veterinary Chiropractic
- ♦ Veterinary Acupuncture for IVAS International Veterinary Acupuncture Society
- ♦ Applied Kinesiology and Veterinary Holistic by EMVI and the Spanish Association of Kinesiology
- ♦ Spanish Certificate in Equine Clinic
- ♦ Practical clinical experience of more than 1000 hours in several European and American Referral Hospitals
- ♦ Clinical Manager for two years of the Equine Department at the Los Molinos Large Animal Clinic, Madrid
- ♦ More than 10 years as veterinarian of the Sotogrande International Polo Tournament
- ♦ More than 10 years working as a self-employed Clinical Veterinarian



# 04

# Structure and Content

The structure of the content has been designed by the best professionals in the Equine Physiotherapy and Rehabilitation 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.







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

## Module 1. Manual Therapy

- 1.1. Introduction to Manual Therapy and Kinesiotherapy
  - 1.1.1. Definition of Manual Therapy and Kinesiotherapy
  - 1.1.2. Types of Kinesiotherapy
  - 1.1.3. Technical Aspects
  - 1.1.4. Horse Application
- 1.2. Joint Mobilizations of the Extremities
  - 1.2.1. Mobilization of the Distal Portion of the Forelimb
  - 1.2.2. Mobilization of the Proximal Portion of the Forelimb
  - 1.2.3. Mobilization of the Distal Portion of the Forelimb
  - 1.2.4. Mobilization of the Proximal Portion of the Forelimb
- 1.3. Joint Mobilizations of the Axial Skeleton
  - 1.3.1. TMJ Mobilization
  - 1.3.2. Cervical Mobilization
  - 1.3.3. Thoracolumbar Mobilization
  - 1.3.4. Lumbosacral Mobilization
  - 1.3.5. Sacroiliac Mobilization
  - 1.3.6. Tail Mobilization
- 1.4. Musculoskeletal Stretching
  - 1.4.1. Introduction
  - 1.4.2. Types of Musculoskeletal Stretching
  - 1.4.3. Osteoarticular Postures
  - 1.4.4. Forelimb Stretches
  - 1.4.5. Hind Limb Stretches
  - 1.4.6. Axial Structure Stretching
  - 1.4.7. Horse Application
- 1.5. Massage Therapy
  - 1.5.1. Introduction and Types of Massage Therapy
  - 1.5.2. Massage Therapy Techniques
  - 1.5.3. Massage Effects and Applications
  - 1.5.4. Horse Application
- 1.6. Myofascial Manual Therapy
  - 1.6.1. Introduction, Concept of Fascia and Fascial System in the Horse
  - 1.6.2. Techniques of Myofascial Therapy
  - 1.6.3. Horse Application
- 1.7. Trigger Points: Definition and Implications
  - 1.7.1. Definition and Classification of Trigger Points
  - 1.7.2. Effects and Characteristics of Trigger Points
  - 1.7.3. Origin and Causes of Trigger Points
  - 1.7.4. Implications of Chronic Pain
  - 1.7.5. Implications of Myofascial Pain in Sports
- 1.8. Trigger Point Treatment
  - 1.8.1. Manual Techniques
  - 1.8.2. Dry Needling
  - 1.8.3. Cryotherapy and Application of Electro-Physical Agents
  - 1.8.4. Horse Application
- 1.9. Manipulative Therapy I
  - 1.9.1. Introduction
  - 1.9.2. Terminology.
    - 1.9.2.1. Joint Locking or Fixation
    - 1.9.2.2. Handling and Adjustment
    - 1.9.2.3. Joint Range of Motion (ROM)
  - 1.9.3. Description of the Manual Handling Technique
    - 1.9.3.1. Hand Posture
    - 1.9.3.2. Body Posture
    - 1.9.3.3. Description of Settings
  - 1.9.4. Security Considerations
  - 1.9.5. Sacropelvic Area
    - 1.9.5.1. Sacro
    - 1.9.5.2. Pelvis
  - 1.9.6. Lumbar Region



- 1.10. Manipulative Therapy II
  - 1.10.1. Thoracic Region
    - 1.10.1.1. Thoracic Region
    - 1.10.1.2. Rib Region
  - 1.10.2. Head and Cervical Region
    - 1.10.2.1. Atlanto-Occipital and Atlanto-Axial Region
    - 1.10.2.2. Lower Cervicals
    - 1.10.2.3. Temporomandibular Joint TMJ
  - 1.10.3. Extremities
    - 1.10.3.1. Forelimbs
      - 1.10.3.1.1. Scapula
      - 1.10.3.1.2. Shoulder
      - 1.10.3.1.3. Carpus

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*This training will allow you to advance in your career comfortably”*

# 05 Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Physiotherapists/kinesiologists 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, trying to recreate the real conditions of professional physiotherapy 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. Physiotherapists/kinesiologists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the physiotherapist/kinesiologist 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. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more 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.



*The physiotherapist/kinesiologist will learn through real cases and by solving 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 we trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*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 our 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 really 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.



#### Physiotherapy Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. 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 them as many times as you want.



#### 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 unique multimedia content presentation training system 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 on the usefulness of learning by observing experts. The system known as 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 Manual Therapy in Horses guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Manual Therapy in Horses** 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 certificate 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 evaluation committees.

Title: **Postgraduate Certificate in Manual Therapy in Horses**

Official N° of Hours: **150 h.**



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

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



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