

Internship Program  
Physiotherapy and Rehabilitation  
in Small Animals



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Physiotherapy and Rehabilitation  
in Small Animals

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# 01 Introduction

On numerous occasions, pets suffer uncomfortable injuries due to blows or falls that must be properly treated to ensure their recovery. Also, as pets age, they require care to alleviate their ailments and improve their quality of life. Faced with this diverse and growing demand, specialists in physiotherapy and animal rehabilitation must constantly update their skills to adapt to the needs of each patient. That is why TECH has created this 100% practical program, with the intention of offering its students the latest developments in the treatment of injuries with electrotherapy or hydrotherapy. Through a 3-week internship in a prestigious veterinary center and surrounded by the best experts, the professional will expand their skills in this field.



*Through this Internship Program, you will manage the most efficient techniques for the treatment of small animal injuries through hydrotherapy"*





latest developments in the treatment of injuries with electrotherapy or hydrotherapy. Through a 3-week internship in a prestigious veterinary center and surrounded by the best experts, the professional will expand their skills in this field. The last few years have witnessed great advances in veterinary medicine. The appearance of new diagnostic methods and treatments have allowed animals to have the maximum quality of life and life expectancy. At the same time, pet owners show an increasing concern and awareness about their well-being. In this context, the demand for veterinarians specialized in the field of Physiotherapy and Rehabilitation in Small Animals has not ceased to grow. Therefore, with the aim of providing these professionals with the most up-to-date tools to adapt to the new demands of the sector, TECH has created this 100% practical program.

During 3 intensive weeks, the expert will have access to a first-class veterinary clinic, where they will delve, in first person, into the treatment of all types of traumatological and neurological pathologies. Integrated in an excellent work team, made up of the best specialists in physiotherapy and rehabilitation for animals, they will manage the practices and minimally invasive and natural techniques that mark the present and the future of veterinary medicine. In this way, they will use the latest therapeutic ultrasound devices or assimilate the most efficient strategies for the application of manual massages as a method to relieve pain in the animal.

All this, accompanied throughout their clinical internship by a tutor specifically designated for them, who will be responsible for ensuring that their learning process meets their academic expectations in detail. Therefore, this Internship Program is an excellent opportunity to be at the forefront of the Physiotherapy and Rehabilitation in Small Animals sector, working with the best professionals and applying from the first moment all the skills acquired in a real environment.

# 02

## Why Study an Internship Program?

In the field of veterinary medicine, knowing the latest physiotherapeutic and rehabilitative techniques for small animals is essential, but knowing how to apply them properly in the real world is indispensable. For this reason, TECH has created this innovative academic product, which will allow the veterinarian to spend 3 weeks in a prestigious clinic to put into practice the latest therapeutic innovations to alleviate pain and promote recovery from injuries in pets. Throughout 120 hours, and integrated in an excellent work team, they will adopt these up-to-date skills to include them in their daily practice.



*This academic program offered by TECH will allow you to spend 120 hours in a state-of-the-art veterinary clinic to master, in a practical way, the latest exercises used in physiotherapy and rehabilitation in small animals”*

### 1. Updating from the latest technology available

The area of Physiotherapy and Rehabilitation in Small Animals has evolved in recent years due to the appearance of new techniques and up-to-date technological devices that favor a rapid recovery of ailments and injuries in pets. For this reason, and with the aim of providing experts in this field with a first-hand knowledge of these advances, TECH has created this Internship Program.

### 2. Gaining In-Depth Knowledge from the Experience of Top Specialists

The extensive team of professionals who will accompany the veterinarian throughout the internship period guarantees the high quality of this program. With a specifically designated tutor, the student will be able to interact with animals in a state-of-the-art environment, which will allow them to incorporate the most effective techniques in Physiotherapy and Rehabilitation in Small Animals into their daily practice.

### 3. Entering First-Class Clinical Environments

TECH carefully selects all available centers for Internship Programs. Thanks to this, the specialist will have guaranteed access to a prestigious clinical environment in the area of Physiotherapy and Rehabilitation in Small Animals. In this way, they will be able to experience the day-to-day of a demanding, rigorous and exhaustive area of work, always applying the most up-to-date therapeutic techniques in its work methodology.



#### **4. Putting the acquired knowledge into daily practice from the very first moment**

In today's academic market, the vast majority of educational programs offer an excessive teaching load that is poorly adapted to the daily tasks of the expert. Because of this, TECH has created an innovative program that, in a 100% practical way, will allow the student to master the latest procedures in animal physiotherapy and rehabilitation, as well as to apply them in a real environment.

#### **5. Expanding the Boundaries of Knowledge**

TECH offers the possibility of carrying out this Internship Program in centers of international importance. In this way, the specialist will be able to expand their boundaries and keep up to date with the best professionals, who practice in first class veterinary clinics and in different continents. A unique opportunity that only TECH could offer.



*You will have a full practical immersion at the center of your choice"*

# 03 Objectives

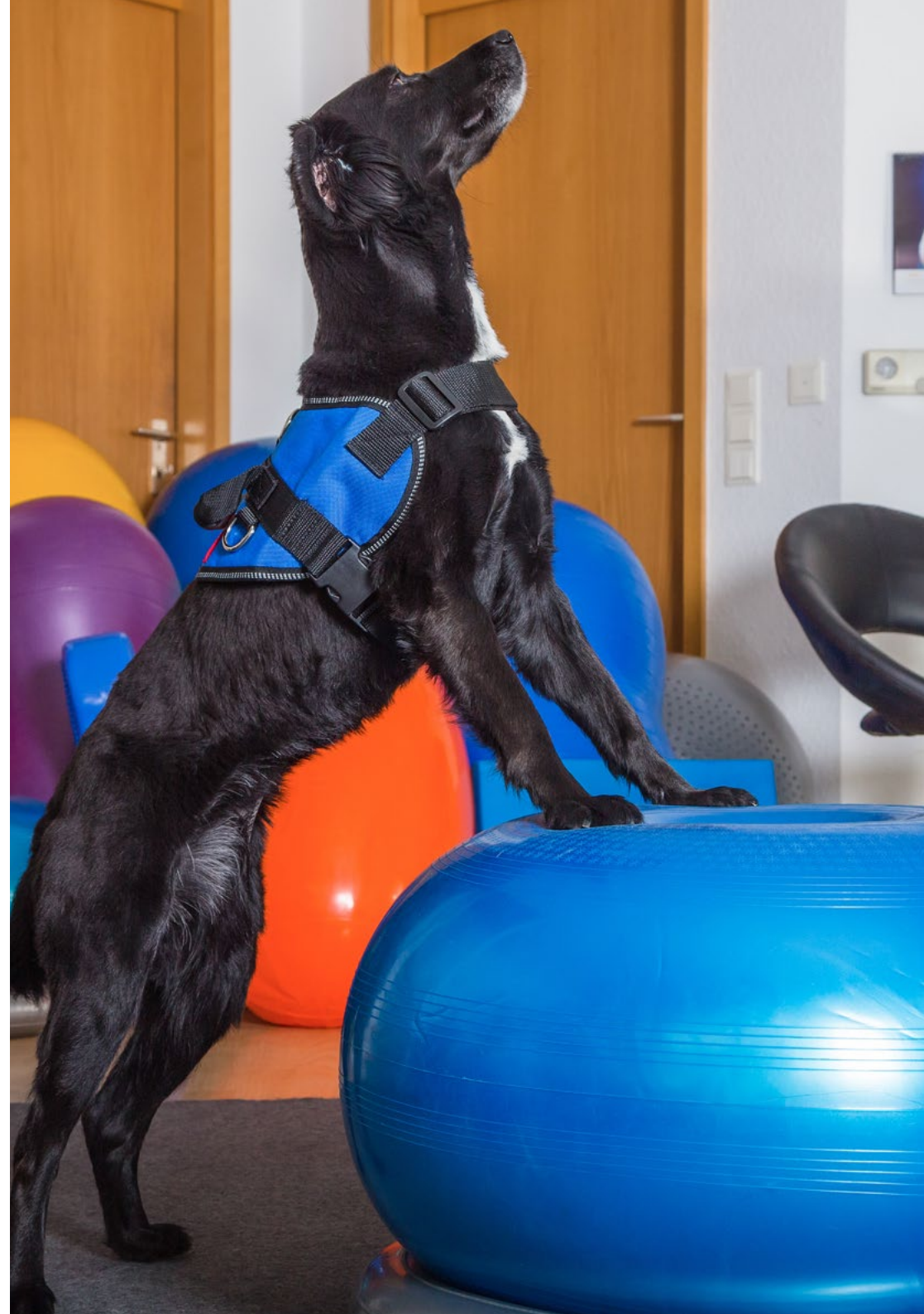
The objective of this program is to ensure that the veterinary professional is up-to-date on the latest procedures in Physiotherapy and Rehabilitation in Small Animals in an exclusively practical way, through a clinical internship designed with clinical and academic rigor, under the guidance of renowned professionals in a center of the highest scientific quality and technological innovation.



## General Objectives

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- Master the latest physiotherapeutic techniques to relieve pain in small animals
- Increase the skills of the veterinary physiotherapy and rehabilitation professional
- Develop a high level of practical knowledge in the identification and quantification of pain in dogs and cats in physical therapy







## Specific Objectives

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- ♦ Determine the main muscles and nerves involved in movement
- ♦ Examining Static Body Position and Gait Assessment
- ♦ Identify pain points or behavior, as well as compensatory body positions
- ♦ Emphasize the importance of neurolocalization to approximate the diagnosis in neurological patients and to guarantee the success of the therapy
- ♦ Develop in an orderly manner the neurological examination of the patient
- ♦ Constructing exercises from anatomical elements
- ♦ Determine thermotherapy application techniques
- ♦ Introduce ultrasound, laser therapy and electrostimulation modalities
- ♦ Use the modalities of diathermy, magnetotherapy and shockwave therapy
- ♦ Examine complementary therapies to Physical Therapy and Rehabilitation
- ♦ Address the nutritional management of a patient with osteoarthritis or obesity
- ♦ Analyze the most frequent pathologies in feline patients that may require treatment by a rehabilitation veterinarian
- ♦ Establish the importance and value of hydrotherapy in the field of animal physical rehabilitation
- ♦ Examine the physical principles that make hydrotherapy an important tool in animal physical rehabilitation
- ♦ Identify the most common injuries in sporting dogs
- ♦ Detail the steps of a complete traumatologic examination
- ♦ Assess the effects of immobilization on tissues
- ♦ Identify the most frequent traumatologic pathologies
- ♦ Present the possible treatments for each pathology, as well as an approach to their management in physical rehabilitation
- ♦ Develop an appropriate treatment plan for patients



*Thanks to this Internship Program, you will be able to develop a physiotherapeutic treatment plan adapted to the particular conditions of each animal"*

# 04 Educational Plan

This Internship Program consists of a stay in a prestigious center, during 3 weeks, from Monday to Friday, with 8 consecutive hours of work under the guidance of an attending specialist. This period will allow the student to deal with real animals alongside a team of professionals of reference in the field of veterinary physiotherapy and rehabilitation, applying the most innovative treatments currently available.

In this completely practical program, the activities are aimed at developing and perfecting the skills necessary to provide Physiotherapy and Rehabilitation services for Small Animals that require a high level of qualification, and are oriented towards specific expertise for practicing the activity, in a safe environment for the patient and with highly professional performance.

It is undoubtedly an opportunity to learn by working in a prestigious veterinary clinic, where the application of innovative techniques and tools to alleviate animal pain is the basis of its activity. This is a new way of understanding and integrating the latest healthcare processes, and turning a reference center into the ideal teaching scenario for this innovative experience in the improvement of professional competencies.

The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of knowledge (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for the veterinary praxis (learning to be and learning to relate).





The procedures described below will form the basis of the practical part of the training, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

Module	Practical Activity
<b>Manual Therapies and Kinesiotherapy. Bandages</b>	Apply different types of massages to small animals to alleviate their ailments
	Perform physiotherapeutic treatments with animals based on kinesiotherapy
	Apply different bandages to injured animals, depending on the particular characteristics of each animal
<b>Physical Therapies I: Electrotherapy, Laser Therapy, Therapeutic Ultrasound. Thermotherapy</b>	Use ultrasound as a mechanism for recovery of injuries in animals
	Use laser therapy as a method of injury rehabilitation in dogs
	Apply TENS as a tool to relieve acute and chronic pain in small animals
<b>Feline Rehabilitation. Hydrotherapy</b>	Design a post-surgical therapeutic plan for the feline patient
	Perform a hydrotherapy-based injury recovery plan for felines
	Adapt hydrotherapy programs to animals with various pathologies such as neurological or orthopedic problems
<b>Sports Medicine. Sports Modalities in Dogs. Most Frequent Pathologies and Prevention</b>	Establish a nutritional plan for the sporting dog aimed at injury prevention
	Perform a detailed analysis of a sporting dog to detect the possible causes of injuries
	Design a training program for a sporting dog
<b>Rehabilitation Plan: Design of a Rehabilitation Program and Communication with the Owner</b>	Design an injury rehabilitation plan, adapted to the pathology and characteristics of each animal
	Develop a rehabilitation program for animals with complex injuries such as hip dysplasia or cruciate ligament rupture
	Communicate adequately with the owner of the animal and promote the integration of the owner in the patient's recovery process

05

# Where Can I Do the Internship Program?

TECH offers the student the possibility of accessing the best veterinary centers to carry out this Internship Program, updating their skills in physiotherapy and rehabilitation for animals with great professionals in this sector. In addition, the expert will be able to choose the destination that best suits their needs.



*You will develop the necessary skills in Physiotherapy and Rehabilitation in Small Animals with the best veterinary experts thanks to TECH”*





The student will be able to do this program at the following centers:



Pharmacodynamics.

### Hospital Veterinari Assistència veterinària Vic

Country: Spain City: Barcelona

Address: Carrer de Cervera, 6, Bajo; Pol.Ind, 08500 Vic, Barcelona

Clinic specialized in services such as Surgery, Diagnostic Imaging, Laboratory and Intensive Care, among others.

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals
- Small Animal Ultrasonography



Pharmacodynamics.

### Animalia BCN MiVet

Country: Spain City: Barcelona

Address: Carrer de la Creu Coberta, 130, Barcelona

Veterinary hospital in Barcelona with 24-hour care 365 days a year

**Related internship programs:**

- Dermatology in Small Animals
- Physiotherapy and Rehabilitation in Small Animals



Pharmacodynamics.

### Hospital Veterinari MiVet Faycan Catarroja

Country: Spain City: Valence

Address: Carrer Charco, 15, 46470 Catarroja, Valencia

Comprehensive animal care clinic with 24-hour emergency and hospitalization service

**Related internship programs:**

- Veterinary Surgery in Small Animals



Pharmacodynamics.

### Reanimalia

Country: Spain City: Cadiz

Address: C. Malta, 11011 Cádiz

Reanimalia, exclusive veterinary rehabilitation center in Cádiz

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals



Pharmacodynamics.

### Centro Veterinario Fisiovet MiVet

Country: Spain City: Madrid

Address: C. Petra Kelly, 3, 28919 Leganés, Madrid, España

Veterinary center specialized in physiotherapy and animal rehabilitation

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals



Pharmacodynamics.

### Centre de Rehabilitació Animal de Referència de Barcelona (CRAR BCN)

Country: Spain City: Barcelona

Address: C. de Pallars, 329, 08005 Barcelona

Veterinary center specialized in animal rehabilitation

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals



Pharmacodynamics.

### Centro Veterinario Triscan

Country: Spain City: Asturias

Address: Calle Santa Teresa nº 12, bj, 33007 Oviedo, Asturias

Veterinary center for canine rehabilitation and general care

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals



Pharmacodynamics.

### Fisiodog


Country: Spain City: León

Address: C. Bernardino de Sahagún, 13, 24004 León

Veterinary Center specialized in Rehabilitation, Orthopedic and Neurological Pathologies

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals



Pharmacodynamics.

### Centro Veterinario Animal-Vetx El Saladillo

Country: Spain      City: Huelva

Address: Cam. del Saladillo, 3, 21007 Huelva

AnimalVetx El Saladillo Veterinary Center in Huelva is a complete and innovative veterinary center since 2014

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**Related internship programs:**

- Veterinary Surgery in Small Animals
- Small Animal Ultrasonography





Pharmacodynamics.

### Centro Veterinario Puebla

Country City  
Mexico Puebla

Address: Calzada zavaleta 115 Local 1  
Santa Cruz Buenavista C.P 72154

General veterinary center with 24-hour  
emergency service

**Related internship programs:**

- Veterinary Anesthesiology
- Veterinary Cardiology in Small Animals



Pharmacodynamics.

### Hospital Imagen

Country City  
Mexico Mexico City

Address: Sur 24 #54 Agricola Oriental  
Iztacalco C.P. 08500

Veterinary hospital specialized in neurology and diagnostic  
imaging

**Related internship programs:**

- Physiotherapy and Rehabilitation in Small Animals
- Small Animal Neurology



Pharmacodynamics.

### Hospital Veterinario Reynoso

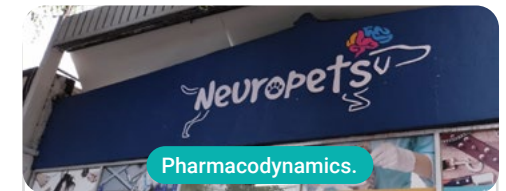
Country City  
Mexico Mexico

Address: Guillermo roja No.201 Col. Federal  
Toluca Edomex

High specialty Veterinary Hospital

**Related internship programs:**

- Anesthesiology and Veterinary
- Management and Administration of Veterinary Centers



Pharmacodynamics.

### Neuropets Veterinaria

Country City  
Mexico Mexico City

Address: Laguna Tamiahua #61, Anáhuac  
I Secc, Miguel Hidalgo, 11320 Del. Miguel  
Hidalgo, CDMX

Group of veterinarians with more than 10  
years of experience in specialized veterinary  
medicine.

**Related internship programs:**

- Management and Administration of Veterinary Centers
- Physiotherapy and Rehabilitation in Small Animals

# 06

## General Conditions

### Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.





## General Conditions of the Internship Program

The general terms and conditions of the internship program agreement shall be as follows:

**1. TUTOR:** During the Internship Program, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor, whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the students does not show up on the start date of the Internship Program, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Internship Program will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** The Internship Program shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Internship Program. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Internship Program will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

# 07 Certificate

This **Internship Program in Physiotherapy and Rehabilitation in Small Animals** contains the most complete and up-to-date program in the professional and academic landscape.

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

The diploma issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Physiotherapy and Rehabilitation in Small Animals**

Duration: **3 weeks**

Attendance: **Monday to Friday, 8-hour consecutive shifts**

Total Hours: **120 h. of professional practice**



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# Internship Program

## Physiotherapy and Rehabilitation in Small Animals



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