

# Internship Program Veterinary Radiology in Small Animals





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university

Internship Program  
Veterinary Radiology  
in Small Animals

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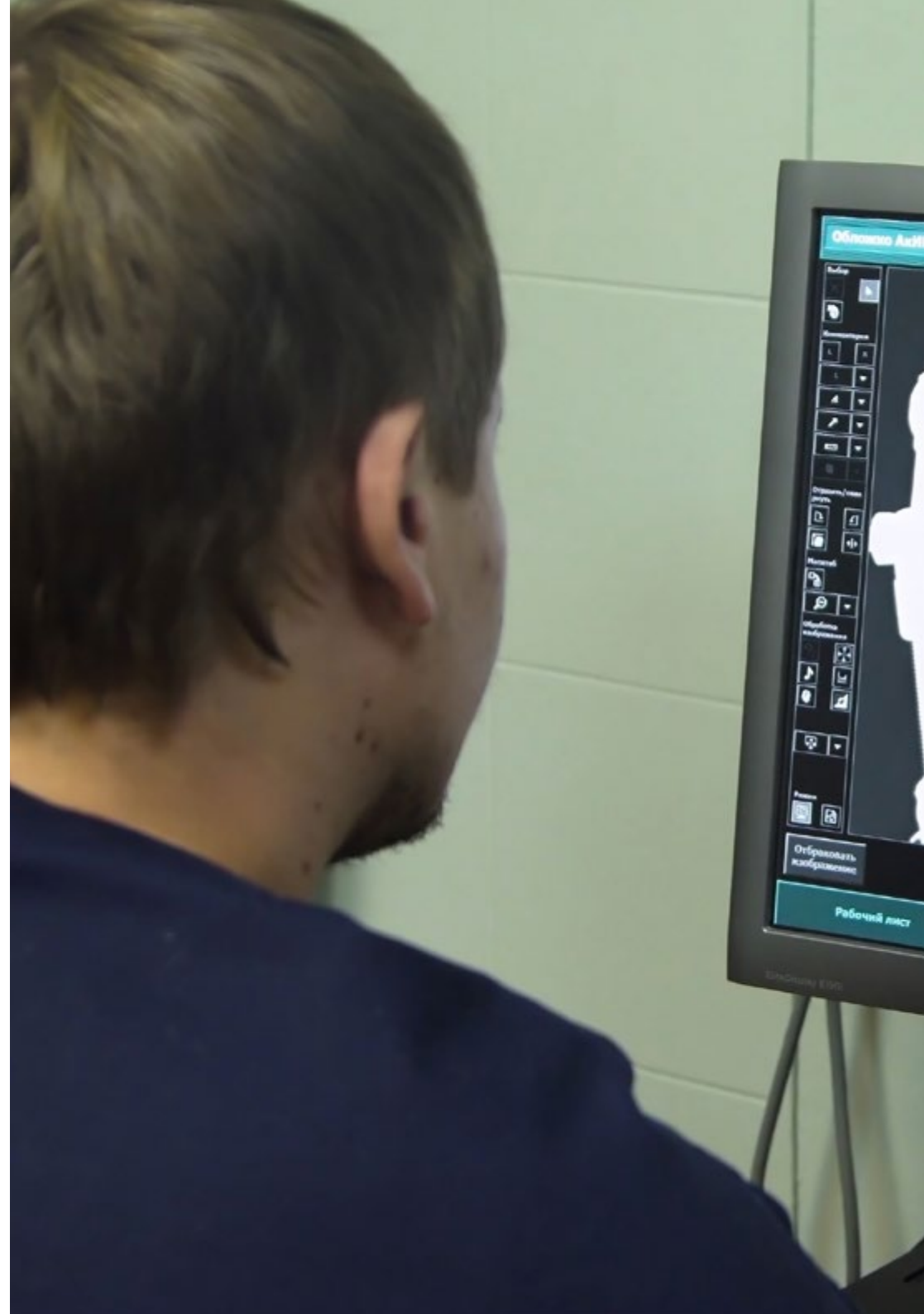
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# 01 Introduction

The Internship Program in Veterinary Radiology in Small Animals is a careful selection of the most useful and up-to-date radiological diagnostic procedures of the moment. In particular, it is a comprehensive review created to equip the professional with the necessary skills to make the most accurate diagnosis with the performance and interpretation of tests. This process will be completed with the analysis of other diagnostic alternatives for veterinary professionals who will be able to learn directly about the most innovative equipment and its suitability in different cases, as well as how to use it. In this way, over the course of 3 weeks, the student will develop the most complex competencies under the guidance of the most prestigious specialists in this sector.



*Through daily practice of the latest scientific advances, you will determine the limitations of radiological studies for the diagnosis of certain orthopedic pathologies"*





Veterinary radiology has carved out its own place in the clinical care of small animals. This has been possible thanks to the broad potential of this discipline for the diagnosis of various types of diseases in bones and soft parts of the animal anatomy. For this reason, in recent years, radiological technologies have become a key element in the most prestigious veterinary institutions in the world that seek to provide pets with extreme quality care. At the same time, these institutions aspire to have the most qualified and up-to-date professionals with the most innovative applications in relation to the mastery of these technologies.

TECH wants students to become great experts in this discipline of the veterinary profession. Therefore, through an innovative study modality, it will provide the student with the most solid contents on radiodiagnosis. In turn, they may examine other imaging tests indicated to confirm the identification of a particular pathology. At the same time, all professionals taking this Internship Program will broaden their skills in the evaluation of radiological images of the nervous system and obtain maximum information.

These skills will be analyzed on the basis of a 3-week intensive in-person stay in highly prestigious veterinary institutions. At this institution, and together with the most renowned professionals in this educational area, the student will learn about the most current approaches in Veterinary Radiology. Throughout the internship, the student will be accompanied by an assistant tutor who will be in charge of monitoring educational progress. Also, they will ensure that teaching occurs in a dynamic, immersive, and highly rigorous manner. It is, in short, a high-level step that will become a process of great personal improvement.

# 02

## Why Study an Internship Program?

Veterinary Radiology is a discipline that has grown considerably in a very short period of time. The technologies have been adjusted to the anatomical characteristics of pets and other exotic companion animals. For this reason, TECH wants its students to specialize quickly and flexibly in the broad potential of this sector. Therefore, during a 3-week on-site stay, the student will have first-hand exchanges with the most specialized equipment and internationally renowned professionals.



*This study program in Veterinary Radiology will facilitate your mastery of the main diagnostic imaging techniques with complete safety against the dangers of ionizing radiation"*

### 1. Updating from the Latest Technology Available

Thanks to this study program, the student will be able to manipulate the most advanced radiography technologies to perform comprehensive diagnoses. At the same time, they will examine other imaging-based equipment, such as ultrasound scans, computed tomographies, and magnetic resonance imaging. With all these tools, the student will be able to perform much more comprehensive examinations,

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

Throughout this Internship Program, the student will exchange directly with professionals of distinguished international prestige. These specialists will learn firsthand the most exceptional working dynamics of a veterinary clinic or hospital. Therefore, upon completion of the program, the student will be prepared for different first-level professional instances.

### 3. Entering first-class Veterinary environments

TECH maintains close ties with leading veterinary centers around the world. In particular, it has coordinated this Internship Program with several prestigious institutions that have the best radiological technology specialized in the diagnosis of small animals. In this way, the student will be able to handle all of them with ease from the very first moment.



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

The educational market does not offer enough pedagogical solutions for those specialists who wish to update their knowledge in veterinary radiology in a practical way. Therefore, this 3-week on-site stay breaks with this scheme and, at the same time, makes it possible for the student to combine study with other responsibilities or interests.

#### 5. Expanding the Boundaries of Knowledge

This Internship Program can take your students beyond their usual educational comfort zone and expose them to international professional development contexts. This is possible thanks to TECH, the world's largest online educational institution, which extends to other geographical latitudes through a wide network of agreements.



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

# 03 Objectives

The main objective of TECH when offering this Internship Program in Veterinary Radiology in Small Animals on the veterinary branch is that professionals are able to care for animals with full guarantees of success. For this reason, the latest practices are offered.



## General Objectives

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- Define the criteria for a correct radiographic technique, according to the different parts of the body, and prepare a radiological report issuing a diagnostic judgment
- Master the most frequent diagnostic errors in the interpretation of radiological images during the study of different physiological and pathological findings
- Develop specialized knowledge for the correct identification of Ultrasound, Tomography and Magnetic Resonance Imaging



*Acquire the ability to apply the most up-to-date radiological techniques with this training and give your veterinary practice a plus in quality and safety"*







## Specific Objectives

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- ◆ Perform radiography in an appropriate manner, according to the species and physiological anatomy
- ◆ Analyze how the clinical radiological image is formed, starting from a mastery of the physics of ionizing radiation, examine its most frequent drawbacks and distortions
- ◆ Examine the most frequent pathologies that we can diagnose through the use of radiology
- ◆ Identify and describe the radiological signs that are consistently observed
- ◆ Establish the different types of protection measures against ionizing radiation in the clinical environment
- ◆ Master of other imaging tests could be performed to refine the diagnosis
- ◆ Define the criteria for a correct radiographic technique of the thorax
- ◆ Specify the various differential diagnoses according to the radiological image observed
- ◆ Develop a systematic approach to the assessment of radiological imaging of the nervous system and obtain the maximum diagnostic information
- ◆ Examine the myelography technique
- ◆ Determine the limitations of certain radiological studies to diagnose certain orthopedic pathologies and the different types of surgical techniques in traumatology and orthopedics
- ◆ Extrapolate the knowledge of these techniques in vivo to visualize the evolution
- ◆ Examine the peculiarities of the positioning of exotic animals for radiological studies
- ◆ Differentiate a physiological bone tissue from a pathological one, and we will know what steps to follow to reach a diagnosis Identify pathological fractures

# 04 Education Plan

The Internship Program of this course in Veterinary Radiology in Small Animals consists of a practical stay in a reference veterinary center, lasting 3 weeks, from Monday to Friday, with 8 consecutive hours of practical learning. This stay will allow you to see real cases alongside a professional team of reference in the veterinary area, applying the most innovative cutting-edge procedures.

In this training proposal, completely practical in nature, the activities are aimed at developing and perfecting the skills necessary for the provision of veterinary care in areas and conditions that require a high-level of qualification, and are oriented towards specific training for the exercise of the activity, in a safe environment and high professional performance.

Throughout the program, the student will be accompanied by a highly regarded adjunct tutor. This specialist will be responsible for supervising their educational and practical progress within a rigorous and demanding veterinary environment that will provide students with direct access to real cases. In this way, they will learn in a holistic way how to obtain quality diagnoses from innovative radiological equipment.

The student will actively participate by performing activities and procedures related to each area of competence (learning to learn and learning to do), with the support and guidance of the teachers and other classmates to facilitate teamwork and multidisciplinary integration as transversal skills for the practice of veterinary radiology (learning to be and learning to relate to others).

The procedures described below will be the basis of the practical part of the training, and their implementation will be subject to the center's own availability and workload, the proposed activities being the following:



*Receive specialized education in an institution that can offer you all these possibilities, with an innovative educational program and a human team that will help you develop your full potential"*



Module	Practical Activity
Implementation of the Ionizing Radiation for Diagnostic Purposes	Interpret diagnostic findings from veterinary radiology
	Process the radiological film to obtain better quality images
Factors limiting radiological diagnosis	Identify alterations in radiological image perception: pareidolia, magnification, and distortion
	Address limitations in radiological diagnosis based on the time factor: moving regions, still regions, blurring, anesthesia in radiology, radiological positioners, among others
Trends in Radiation Protection in Small Animal Veterinary Care	Master the limitations in radiological diagnosis based on the voltage factor: density of the radiographed region, contrast, sharpness, anatomical regions, among others
	Use shielding, collimator, and leaded aprons to control safety in the veterinary radiological facility
	Safe handling of X-ray equipment
Radiodiagnostics in different parts of the animal body	Implement Specific Radiological Protection in Radiodiagnostic
	Evaluate the Physiological Radiological Imaging of the Cardiovascular System
	Diagnose radiologically acquired pulmonary diseases: structural pathologies, infectious pathologies, inflammatory pathologies, and neoplasms
	Address neurological diseases with radiology methods such as metabolic, nutritional, and congenital diseases
Other current diagnostic imaging methods and their applications for exotic animals	Use radiological imaging to diagnose animal arthritis and polyarthritis
	Apply ultrasound diagnosis to the abdominal cavity, cardiac, thoracic, fistulous tracts, and for masses of unknown origin
	Perform radiographic examination of exotic animals, in particular of their skull and axial skeleton
	Use computed tomography and magnetic resonance imaging to reinforce radiological diagnostic findings

# 05 Where Can I Do the Internship Program?

In its maxim of offering a unique experience where the student can put into practice the theoretical knowledge acquired, TECH gives the student the opportunity to choose among several renowned veterinary centers to undertake this internship program. In this way, it adapts to the needs and preferences of the student, in addition to contributing to the specialization in veterinary radiology in different areas of the national territory.



*Take your career to the next level by specializing in Small Animal Veterinary Radiology at a prestigious veterinary center with this hands-on training from TECH"*





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



Pharmacodynamics.

### Madrid Este Hospital Veterinario

Country	City
Spain	Madrid

Address: Paseo de la Democracia, 10

Veterinary center offering 24-hour care with surgery, ICU, hospitalization, and diagnostic imaging services

**Related internship programs:**

- Veterinary Anesthesiology
- Veterinary Surgery in Small Animals



Pharmacodynamics.

### Hospital Artemisa Cañaveral

Country	City
Spain	Madrid

Address: Francisco Grande Covian, local 1, 28052 Madrid

Veterinary hospital specialized in general care and 24-hour emergency assistance

**Related internship programs:**

- Veterinary Anesthesiology
- Veterinary Surgery in Small Animals



Pharmacodynamics.

### Supervet

Country	City
Spain	Madrid

Address: Calle de Fermín Caballero, 56, 28034 posterior, Madrid

Center specialized in alternative therapies such as homeopathy, acupuncture, physiotherapy, laser, or magnetotherapy

**Related internship programs:**

- Infectious Diseases in Small Animals
- Veterinary Radiology in Small Animals



Pharmacodynamics.

### Hospital Veterinario Conde Orgaz

Country	City
Spain	Madrid

Address: Av. de Machupichu, 59, 28043 Madrid

Veterinary Hospital with 24 hour attention and specialized in cutting-edge techniques in animal care

**Related internship programs:**

- Veterinary Radiology in Small Animals
- Veterinary Emergencies in Small Animals



Pharmacodynamics.

### Hospital Veterinario Mon Can MiVet

Country	City
Spain	Madrid

Address: Av. de Montecarmelo, 55, 28049 Madrid

Veterinary hospital specializing in the comprehensive care of sick animals and clinical problems that are difficult to diagnose

**Related internship programs:**

- Veterinary Traumatology and Orthopedic Surgery
- Veterinary Emergencies in Small Animals



Pharmacodynamics.

### Hospital Veterinario Alberto Alcocer

Country	City
Spain	Madrid

Address: Av. de Alberto Alcocer, 45, 28016 Madrid

General and 24-hour veterinary hospital located in the center of Madrid

**Related internship programs:**

- Management and Administration of Veterinary Centers
- Veterinary Radiology in Small Animals



Pharmacodynamics.

### Hospital Veterinario Avenida MiVet

Country	City
Spain	Vizcaya

Address: Sabino Arana Etorbidea, 18 48013 Bilbao, Bizkaia

General veterinary clinic with 24-hour service

**Related internship programs:**

- Veterinary Anesthesiology
- Veterinary Emergencies in Small Animals



Pharmacodynamics.

### Centro Veterinario Animal-Vetx El Saladillo

Country	City
Spain	Huelva

Address: Cam. del Saladillo, 3, 21007 Huelva

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

**Related internship programs:**

- Veterinary Surgery in Small Animals
- Small Animal Ultrasonography



Pharmacodynamics.

### Happy Can Camp

Country	City
Mexico	Puebla

Address: Km 4.5 lateral Recya a Cholula Col. Bella Horizonte Puebla C.P. 72170

Veterinary clinic and hotel

**Related internship programs:**

- Veterinary Radiology in Small Animals
- Veterinary Ophthalmology in Small Animals



Pharmacodynamics.

### Pets, life & Care

Country	City
Mexico	Nuevo León

Address: Av. Cabezada 10701-L12 Barrio acero C.P 64102

Comprehensive Care Veterinary Hospital

**Related internship programs:**

- Small Animal Ultrasonography
- Veterinary Emergencies in Small Animals



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.

### Centro Veterinario CIMA

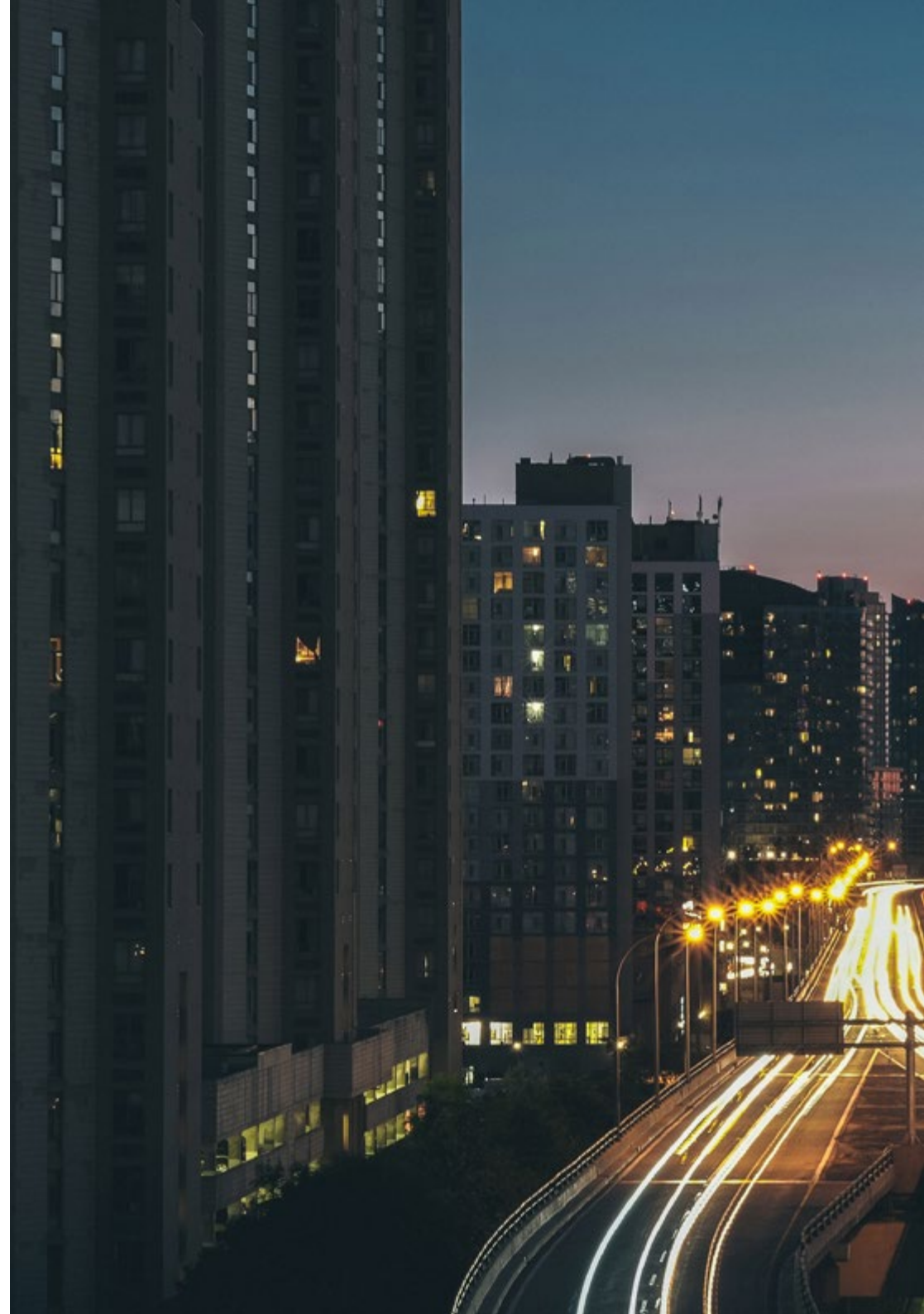
Country	City
Mexico	Mexico City

Address: Av. Vía Adolfo López Mateos 70, Jardines de San Mateo, 53240 Naucalpan de Juárez, CDMX, Méx.

Clinical pet care center

**Related internship programs:**

- Small Animal Internal Medicine
- Veterinary Oncology in Small Animals





Pharmacodynamics.

### Clínica Veterinaria Panda

Country	City
Argentina	Autonomous City of Buenos Aires

Address: Ruiz Huidobro 4771 Saavedra,  
Ciudad de Buenos Aires

Panda Veterinary Clinic with 25 years of experience and five locations in the City of Buenos Aires.

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**Related internship programs:**

- Small Animal Internal Medicine
- Veterinary Emergencies in Small Animals



*Make the most of this opportunity to surround yourself with expert professionals and learn from their work methodology"*

# 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 agreement for the program are 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 program will allow you to obtain your **Internship Program diploma in Veterinary Radiology in Small Animals** 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: **Internship Program in Veterinary Radiology in Small Animals**

Duration: **3 weeks**

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

Accreditation: **5 ECTS**





Internship Program  
Veterinary Radiology  
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