

# Internship Program

## Pain



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Internship Program  
Pain

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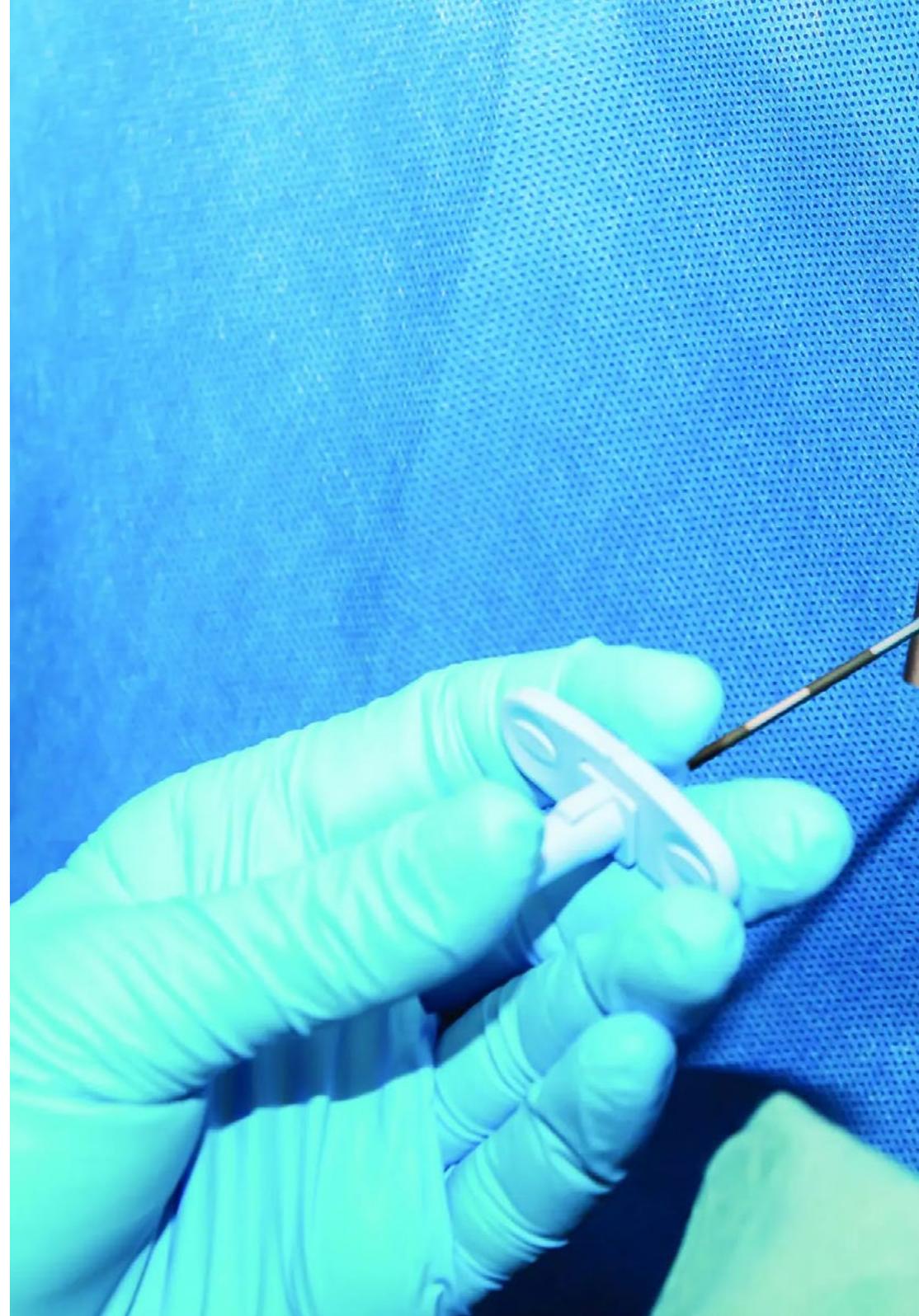
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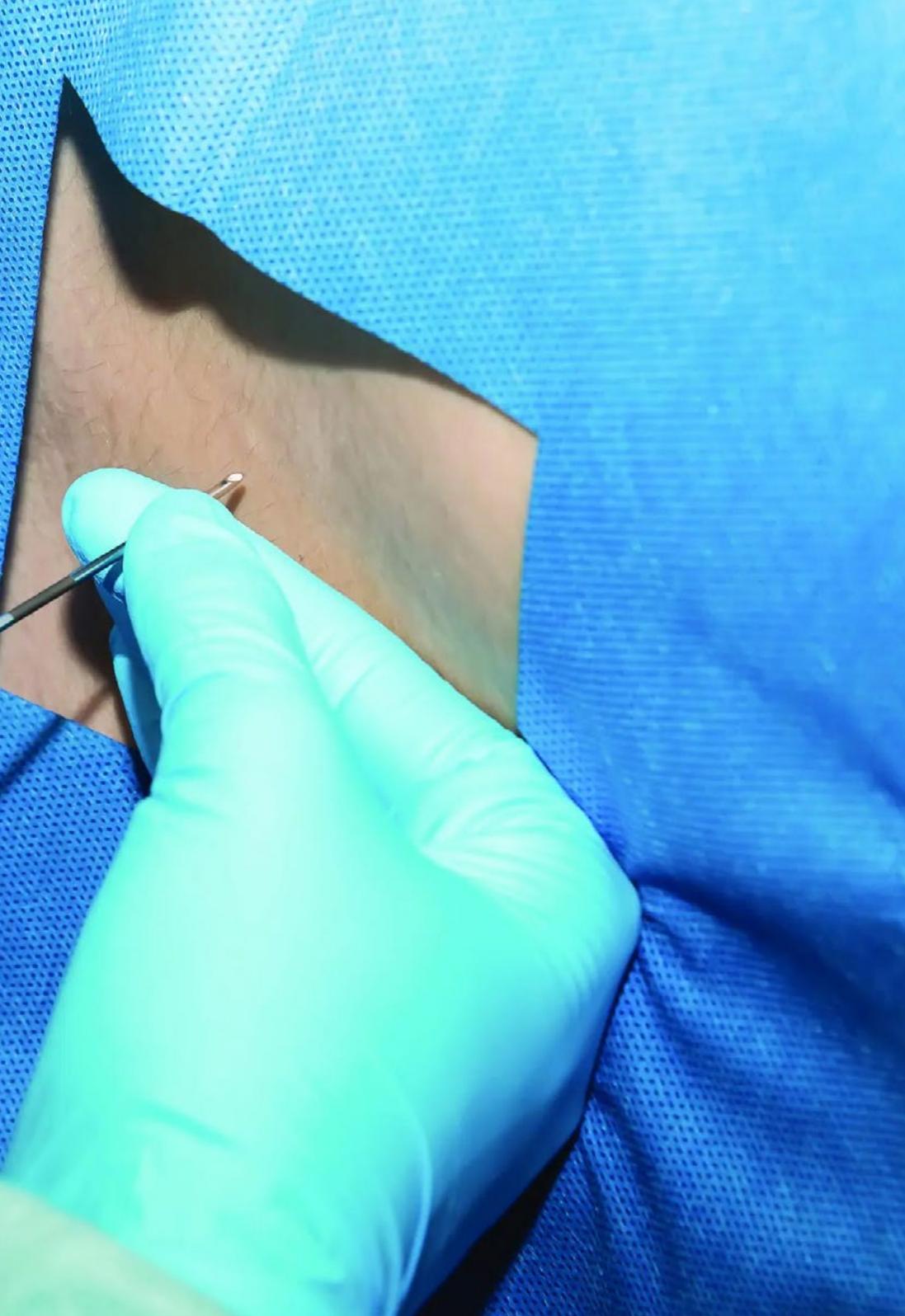
# 01 Introduction

The management and study of pain involves practically 100% of the medical specialties, but it is in the specialty of Anesthesiology and Resuscitation where pain control acquires greater relevance. In addition, in recent years, technological innovation has made it possible to improve diagnostic and therapeutic techniques for patients with complex and critical pain conditions. In view of these advances, TECH has designed this eminently practical program, where the professional will spend a stay in a high level hospital center, together with specialists in the approach of the patient suffering from pain, in different situations. An opportunity to update knowledge and integrate the most current procedures into daily practice.



*Thanks to this Internship Program you will be able to update your skills in a first class hospital setting and join a team of experts"*





Thanks to improvements in diagnostic devices, practitioners can more effectively address preoperative and postoperative pain. This, in turn, has led to improved pharmacological and other alternative therapeutic methods, depending on the ailment. Given the continuous advances in pain management, TECH has created this program that was created to respond to specialists who want to be updated on the most current procedures used to address the different cases that are presented.

Thus, TECH has created an Internship Program, which will take the healthcare professional to spend 3 weeks in a prestigious clinical center. A real context where you can be with the best professionals in this field, applying the most innovative methods for the exploration and treatment of patients with pain.

A 100% practical and unique experience in the academic panorama, which completely moves away from theoretical concepts, to introduce the specialist, from the very first moment, in a first level healthcare scenario. All of this is designed to meet the real needs for updating your knowledge and to enable you to integrate the latest methods into your daily practice.

# 02

## Why Study an Internship Program?

TECH wanted to go a step further in postgraduate education and therefore offers professionals an eminently practical program, which responds to their demands to update their knowledge in real environments. Thus, the specialist who already has solid and clear concepts on Pain has before them a Practical Internship Program, which provides an intensive update in a prestigious hospital center. In this way, during 3 weeks, the professional will be integrated into a multidisciplinary work team, where they will see first hand the diagnostic and pharmacological techniques used in an environment of maximum scientific rigor and innovation. A unique opportunity that not only revolutionizes traditional pedagogical systems, but also provides the specialist with an update of his knowledge in a space that adapts to his needs.



*TECH gives you the opportunity to live a unique experience, in a prestigious hospital center, guided by experts in pain management"*

### 1. Updating from the latest techniques available

Thanks to technological advances, it has been possible to make significant progress in the diagnosis of different pathologies and in the therapeutic treatments used. In this way, the technique for pain control and management has been perfected. In this sense, this Internship Program brings the professional closer to the most innovative and effective procedures, accessing it through a real healthcare environment and from the hand of real experts in this area.

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

The professional who takes part in this program will be accompanied throughout the practical period by a large team of specialists, which is a first-rate endorsement and a guarantee of updated knowledge. During this stay you will be mentored by a designated expert, with whom you will be able to see real patients in a state-of-the-art environment. This will allow you to incorporate the most effective procedures and approaches into your daily practice.

### 3. Entering First-Class Clinical Environments

TECH has created this program with the main objective of guaranteeing a complete and advanced update of the medical professional. For this reason, it has followed a meticulous selection process of all the centers available for Internship Programs. Thanks to this, the specialist will have guaranteed access to a prestigious clinical environment in the area of pain. In this way, you will be able to check the day-to-day of an area of work that requires precision and rigor, in accordance with the latest scientific evidence.



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

This practical proposal moves away from the more theoretical concept advocated by the vast majority of pedagogical programs. Thus, focused solely and exclusively on practice, the professional will be able to integrate the procedures applied in the prestigious center where they carry out the Internship Program. An ideal environment to be up to date in pain management, from the hand of real specialists in this area.

#### 5. Expanding the Boundaries of Knowledge

TECH offers the possibility of carrying out this Internship Program in the best hospitals and with prestigious specialists. This means a before and after for the professionals who take this program, since they will obtain the practical update required for their knowledge in a healthcare scenario of excellence. This will allow you to integrate these methods and apply them in the most relevant hospitals.



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

# 03 Objectives

The general objective of the Internship Program in Pain is for the professional to update the diagnostic and therapeutic procedures of the specialty in an exclusively practical way. To do so, you will take a hospital stay designed with clinical and academic rigor. A real healthcare scenario, where you will be tutored by renowned professionals in a center of the highest scientific quality and technological innovation.



## General Objectives

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- Be aware of the latest techniques, modern scientific postulates and application of cutting-edge technologies in pain management
- Incorporate into daily work the methods and protocols used for pharmacological administration and other treatment alternatives for pain
- Know the specific approach and common cases that occur in gynecological, oncological and other patients, or with acute postoperative pain





## Specific Objectives

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- ♦ Develop the ability to obtain the information necessary to plan the diagnostic management of pain through the patient's clinical history and physical examination
- ♦ Establish the basis for the therapeutic management of pain
- ♦ Use the major groups of drugs used in pain management (antipyretics, anti-inflammatory drugs and opioids), their beneficial effects, side effects, indications and contraindications
- ♦ Delve into the updated theoretical knowledge of pharmacology related to analgesia. New Formulations, Dosages
- ♦ Use the major groups of local anesthetics used in the management of pain in the surgical and extra-surgical setting
- ♦ Acquire Concepts on Muscle Blocks and Joint Blocks for Diagnostic and Therapeutic Purposes
- ♦ Perform invasive techniques for facet blockades, indications and contraindications and contraindications
- ♦ Integrate knowledge about the use of radiofrequency for pain control at different anatomical levels: dorsal root ganglia, sympathetic ganglia, etc
- ♦ Use the most advanced analgesic methods, including those based on implantable spinal or ganglionic devices and intrathecal infusion systems
- ♦ Know how to differentiate between the management of acute postoperative pain in various clinical situations
- ♦ Acquire skills to establish adequate analgesic treatment in patients treated for chronic or dependent pain
- ♦ Delve into in the most frequent obstetric pathologies with pain and to determine the most adequate treatment
- ♦ Establish the basis for an adequate assessment of pain in children
- ♦ Address the management of acute postoperative pain in the pediatric population in different surgical modalities and procedures and clinical situations
- ♦ Provide updates in the management of chronic oncologic and non-oncologic pain
- ♦ Demonstrate current diagnostic strategies for the evaluation of neuropathic pain
- ♦ Offer a practical approach to the pharmacological, invasive and non-invasive therapeutic management of musculoskeletal pain
- ♦ Achieve the necessary competences to diagnose and treat chronic pelvic pain and clinical entities such as interstitial cystitis and rectal pain
- ♦ Update knowledge in diagnosis and treatment of chronic ischemic and peripheral vascular pain
- ♦ Advance in the knowledge of invasive and non-invasive analgesic techniques for the treatment of headaches and migraines



*An exceptional opportunity to learn with real patients, from a team of specialists of recognized competence and in a modern hospital equipped with the most innovative technology"*

# 04

## Educational Plan

The Internship Program includes a practical stay in a reference clinical center, with specialists in the area of Pain. During this period, the professional will be on-site for 3 weeks, from Monday to Friday, with 8 consecutive hours of instruction with specialists. This practice will allow you to see real patients, where you will be able to apply the latest techniques and procedures in pain management.

All this in an innovative healthcare environment, where the latest technology is used for the diagnosis and treatment of the patient. A health space where the professional will be integrated with a team of experts with extensive experience and aware of recent scientific developments in pharmacology or the most effective intervention techniques to alleviate pain in different types of pathologies.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare care in areas and conditions that require highly qualified professionals, and are oriented towards specific expertise for practicing the activity, in a safe environment for the patient and with highly professional performance.

TECH offers an excellent opportunity to learn by working in an avant-garde environment, which provides a rigorous and exhaustive vision of pain management in the patient. A unique practical experience in the academic panorama, which will mean a before and after in the professional career of the physician who performs it.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (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 medical practice (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the training, and their completion 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:



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



Module	Practical Activity
Frequent situations in a pain unit	Perform epidural infiltrations, facet blocks and radicular blocks in patients with lumbosciatica and cervical pain
	Address cases of generalized musculoskeletal pain or polyarticular pain
	Use of caudal epidurolysis and epiduroscopy in patients who show little response to pharmacological treatment after failed spinal surgery
	Address neuropathic pain resulting from trauma, surgery, chronic daily headaches, migraines or diabetic neuralgia
	Use of opioids in patients with oncologic pain who do not respond to anesthetic or neurolytic blockades
Pain management and control	Perform a comprehensive assessment of pain including location, characteristics, duration, frequency, intensity and triggering factors
	Provide support in the psychological, psychosocial and cognitive-behavioral aspects of pain in patient care
	Take the patient's medical history based on acute postoperative pain or chronic pain
	Review the pathophysiology of the pain patient, assessing the results
	Interpretation of complementary diagnostic tests for pain diagnosis
Pharmacology of Pain	Intervene in the analgesic administration process
	Use analgesic antipyretic drugs, NSAIDs, opioids and local anesthetics as required
	Make use of the latest drug delivery techniques
	Analyze the use of preventive analgesia according to the patient's evolution
Pain in special patients	Management of acute postoperative pain in the elderly patient and the patient with comorbidities
	Apply distraction techniques such as cutaneous stimulation or directed imagination to manage chronic pain in pediatric or elderly patients
	Indicate pharmacological treatments for the control of acute postoperative pain
	Indicate patient-controlled analgesia (PCA) for pain management in pregnancy, childbirth or during breastfeeding
Interventional Pain Treatment	Be part of surgical teams, integrating advanced surgical techniques
	Support in the use of refrigerated radiofrequency
	Apply joint and interlaminar epidural block techniques
	Master the most effective and frequent treatments for pain
	Make use of neurosurgical techniques such as epidural electrode implants

# 05 Where Can I Do the Internship Program?

TECH provides medical professionals with the best clinical and hospital centers where they can carry out their Internship Program. For the selection of the same, this institution has followed rigorous criteria, allowing the specialist to obtain guarantees of receiving an update of their knowledge in the area of pain, from experts in this field.



*The most advanced knowledge in the field of pain management await you in this Internship Program"*





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



Medicine

### Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital Maternidad HM Belén

Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Madrid

Country	City
Spain	Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine

### Hospital HM Montepríncipe

Country	City
Spain	Madrid

Address: Av. de Montepríncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Aesthetic Medicine



Medicine

### Hospital HM Torrelodones

Country	City
Spain	Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Sanchinarro

Country	City
Spain	Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Nuevo Belén

Country	City
Spain	Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Medicine.

### Hospital HM Puerta del Sur

Country	City
Spain	Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine.

### Policlínico HM Arapiles

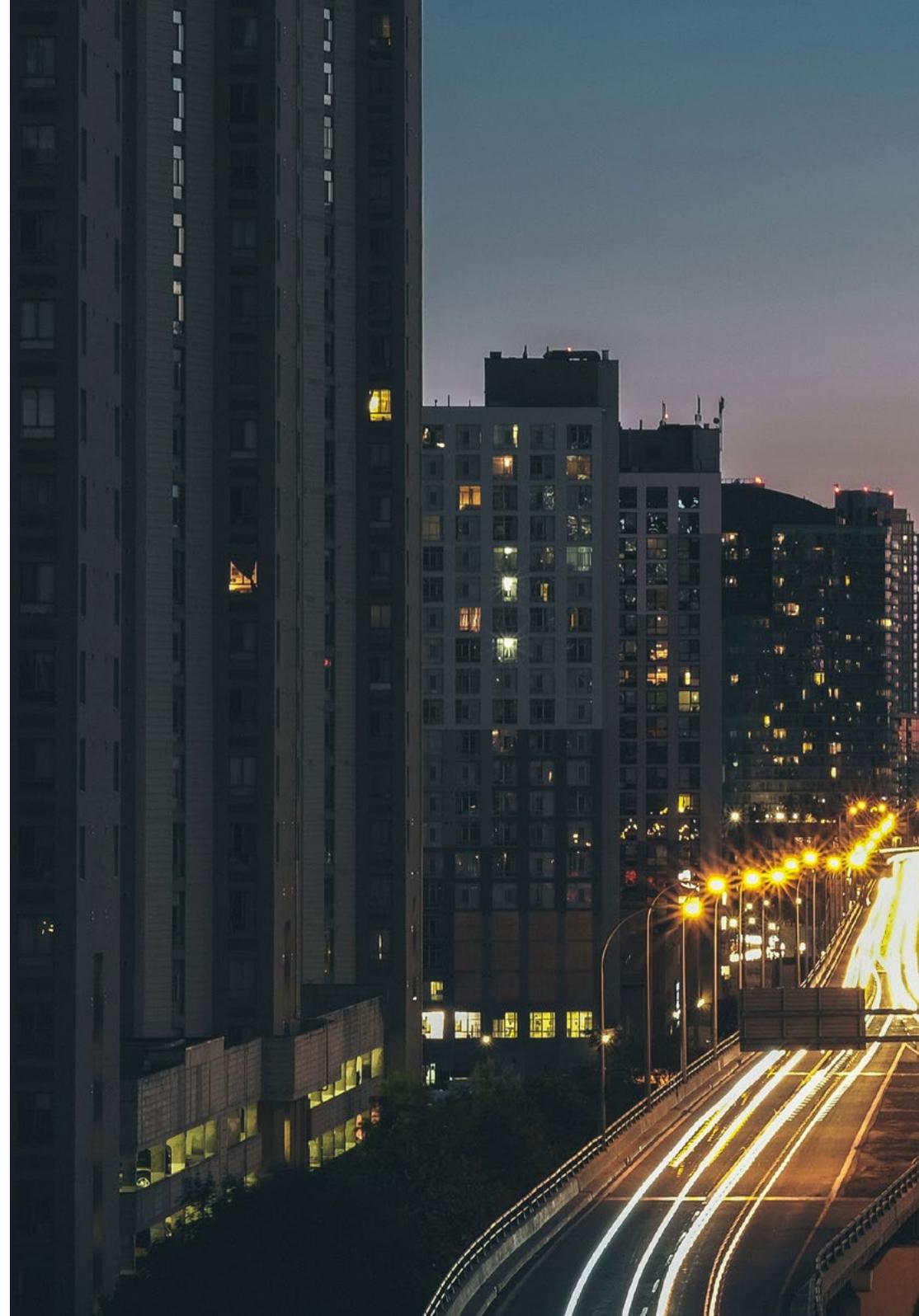
Country	City
Spain	Madrid

Address: C. de Arapiles, 8, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Pediatric Dentistry





Medicine.

### Sanatorio Central

Country                      City  
Argentina                      Tucumán

Address: Av. Mitre 268, T4000  
San Miguel de Tucumán, Tucumán

Sanatorium of General Medicine,  
hospitalization, diagnosis and treatment

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**Related internship programs:**

- Advanced Operating Room Nursing
- Pediatric Nursing

# 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 educational entity undertakes to take out civil liability insurance to cover any eventuality that may arise during the stay at the internship center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way, the professional will not have to worry in case they have to face an unexpected situation and will be covered until the end of the practical 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 **Internship Program in Pain** contains the most complete and up-to-date program on the professional and academic scene.

After the student has passed the evaluations, they will receive their corresponding TECH Internship Program 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 Pain**

Duration: **3 weeks**

Course Modality: **Monday to Friday, 8-hour consecutive shifts**

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



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