

# Internship Program Pediatric Orthopedics



tech



**tech**

Internship Program  
Pediatric Orthopedics

# Index

01

Introduction

---

p. 4

02

Why Study an  
Internship Program?

---

p. 6

03

Objectives

---

p. 8

04

Educational Plan

---

p. 10

05

Where Can I Do the  
Internship Program?

---

p. 12

06

General Conditions

---

p. 18

07

Certificate

---

p. 20

# 01 Introduction

In recent years, orthopedic pathologies in children, such as scoliosis, flatfoot, clubfoot, among others, have experienced significant advances, which have allowed a more accurate and earlier diagnosis, as well as a more effective and less invasive treatment, which improves the quality of life of patients. Physiotherapists play a fundamental role in the treatment of these pathologies, so it is essential that they have specialized training in pediatric orthopedics. For this reason, this 3-week program is born, which will lead students to enhance their skills in the application of the most innovative techniques and specific therapeutic procedures in this type of patients. All this, in a prestigious clinical center and surrounded by the top experts.



*An Internship Program where you will get in only 3 weeks a real update of skills in Pediatric Orthopedics"*





Pediatric Orthopedics has become a fundamental discipline in modern physiotherapy. It is therefore necessary for professionals to be qualified for the care of a wide variety of pathologies in the pediatric population, from postural problems to the most complex musculoskeletal conditions.

This is why TECH has decided to design this Internship Program in Pediatric Orthopedics, which offers physiotherapists the opportunity to update their skills and qualifications in this field, together with the best specialists who are part of the clinical center, where this updating process will take place.

Therefore, during the three weeks of the program, the students will have the opportunity to live a unique experience that will allow them to apply the most innovative techniques and therapeutic procedures in the treatment of orthopedic pathologies in children. Without a doubt, it is an ideal opportunity for a complete update in a unique health environment, which will allow the graduate to be aware of the most recent advances in working methods, as well as in the techniques and technological devices used in various clinical situations.

# 02

## Why Study an Internship Program?

Nowadays, knowledge and training are critical to success in any field. In the case of physiotherapists, TECH's Internship Program in Pediatric Orthopedics is essential due to the increasing demand for physiotherapy services for children with orthopedic disorders. Study and gain hands-on experience in this field will allow physiotherapists to improve their clinical skills and learn the most advanced techniques to help their pediatric patients. In addition, Internship Program at a recognized clinical center alongside expert tutors for three weeks will provide a unique and invaluable experience for professional development.



*Delve into a unique hands-on experience and boost your technical skills in the management of orthopedic pediatric patients"*

### 1. Updating from the Latest Technology Available

In this Internship Program, physiotherapists will be able to acquire practical experience in a state-of-the-art clinical environment and have access to the latest technology in this field. This will allow them to update and apply the latest techniques and advances in their professional practice in pediatric orthodontics, improving the quality of care and the effectiveness of the treatments they provide to their patients.

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

TECH has selected distinguished specialized centers in Pediatric Orthopedics. In this way, the professional is guaranteed to have access to a truly effective practice, since they will not only be in an incomparable environment, but they will also be able to verify the work methods of real experts who will guide them during this 3-week process.

### 3. Entering First-Class Clinical Environments

TECH carefully selects the clinical centers that are available for the Internship Program. This ensures that the specialists will have an outstanding clinical environment in this field, where they will be able to experience first-hand the daily dynamics in a rigorous, demanding and meticulous environment in the work of patient care in their homes.



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

With this educational model of practical updating, physiotherapists can be updated on the latest techniques and advances in Pediatric Orthopedics in only 3 weeks. The most important thing is that they will be able to apply this knowledge directly in their clinical practice with children, from the first moment and taught by an excellent team of experts with a consolidated trajectory in this field.

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

TECH offers the possibility of completing the Internship Program in centers of recognized prestige not only nationally, but also internationally. In this way, the physiotherapist will be able to broaden their vision and update their knowledge with the best experts working in first level health centers. It is a unique opportunity that only TECH, the world's largest online university is able to provide.



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

# 03

## Objectives

Thanks to this Internship Program, students in this program will be involved in actions focused on perfecting a wide variety of treatment techniques and specific exercises to improve mobility and function in children with orthopedic problems. A process that will allow you to successfully manage from the simplest clinical cases to the most complex clinical situations. Always following the procedures and methods used by the experts working in the clinical center where you will stay.



### General Objectives

---

- Apply the principles and techniques of Pediatric Orthopedics for the treatment and rehabilitation of musculoskeletal pathologies in children
- Acquire skills to evaluate and diagnose orthopedic pathologies in children and design specific and effective treatment plans for each case
- Apply specific physiotherapy techniques to improve the functionality of the upper and lower extremities in children with orthopedic pathologies



*Hone your skills to treat pediatric orthopedic patients by applying the latest manual techniques, therapeutic exercise, and orthopedic devices”*







## Specific Objectives

---

- ♦ Evaluate and diagnose orthopedic pathologies in children by performing physical tests and clinical evaluation
- ♦ Design and implement specific treatment plans for each orthopedic pathology in children
- ♦ Apply specific physiotherapy techniques to improve the functionality of the upper and lower extremities in children
- ♦ Understand and apply preventive measures to avoid orthopedic injuries in children
- ♦ Evaluate walking and balance in children with orthopedic disorders
- ♦ Design and apply training programs to improve walking and balance in children with orthopedic disorders
- ♦ Evaluate and treat children with scoliosis and other spinal deformities
- ♦ Understand and apply orthotic and prosthetic techniques in children with orthopedic limitations
- ♦ Understand the importance of postoperative rehabilitation in children with orthopedic surgery
- ♦ Evaluate and treat children with cerebral palsy and other orthopedic-related neuromuscular disorders



*Apply specific physiotherapy techniques to improve the functionality of the limbs in children with orthopedic pathologies in a first class environment”*

# 04

## Educational Plan

The Internship Program for Pediatric Orthopedics includes a three-week stay in a prestigious center, where students will work together with a team of experienced physiotherapists. During the Monday through Friday sessions, which last eight consecutive hours, you will be able to observe real cases and apply the most innovative therapeutic techniques, adapting them to each pathology. In addition, you will have access to the latest devices, which will allow you to improve your skills in the care of orthopedic patients.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare 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.

In this way, this program provides the option of expanding professional skills through work in an advanced healthcare context, with a focus on real-time monitoring of patients' health status. This innovative and unified perspective of healthcare processes makes this center of excellence an ideal place for the development of professional skills. Moreover, this program represents an excellent opportunity to experiment in an environment that fosters innovation and the use of technology in health care.

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 support and guidance of teachers and other fellow students that facilitate teamwork and multidisciplinary integration as transversal competencies for the praxis of physiotherapy (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the internship, 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:



*You will learn firsthand the reality of work in the area, in a demanding and rewarding environment"*



Module	Practical Activity
<b>Assessment and Diagnosis</b>	Perform knee joint range of motion assessment in patients with congenital dislocation of the knee
	Practice assessment of gait in patients with infantile cerebral palsy
	Conduct postural and alignment assessment in patients with adolescent idiopathic scoliosis
<b>Planning of therapeutic training</b>	Plan a training program to improve patellofemoral stability in patients with patellofemoral instability
	Design an exercise program to improve muscle strength in patients with Duchenne muscular dystrophy
	Plan an exercise routine to correct crouched gait in patients with infantile cerebral palsy
<b>Implementation of therapeutic training</b>	Teach the patient with myelomeningocele trunk-strengthening exercises to improve postural stability
	Develop an occupational therapy program to improve functionality in patients with osteochondritis dissecans of the talus in patients with osteochondritis dissecans of the talus
	Teach patients with hyperkyphosis stretching exercises to improve posture and reduce back pain
<b>Follow-up and adaptation of therapeutic training</b>	Evaluate the progression of the training program in patients with osteogenesis imperfecta and make the necessary adjustments
	Follow up the exercise program in patients with anterior tuberosity pullout fracture and adapt it according to their progress
	Evaluate the effectiveness of the treatment in patients with septic arthritis and modify it if necessary

# 05

## Where Can I Do the Internship Program?

TECH has carefully selected the places where physiotherapists will carry out their Internship Program in the field of Pediatric Orthopedics. These spaces are characterized by a team of high quality specialists, advanced facilities and the use of the most effective diagnostic and therapeutic techniques in this field. A high-level environment that will allow graduates to enhance their skills by working with highly trained and experienced professionals.



*TECH offers you a unique opportunity to update your knowledge in Pediatric Orthopedics in a first class healthcare environment"*





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



Physiotherapy

### Hospital Maternidad HM Belén

Country: Spain City: 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



Physiotherapy

### Hospital HM Rosaleda

Country: Spain City: La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

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

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Physiotherapy

### Hospital HM La Esperanza

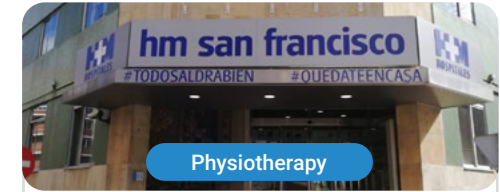
Country: Spain City: La Coruña

Address: Av. das Burgas, 2, 15705, Santiago de Compostela, A Coruña

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

**Related internship programs:**

- Oncology Nursing
- Clinical Ophthalmology



Physiotherapy

### Hospital HM San Francisco

Country: Spain City: León

Address: C. Marqueses de San Isidro, 11, 24004, León

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

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Nursing in the Traumatology Department



Physiotherapy

### Hospital HM Regla

Country: Spain City: León

Address: Calle Cardenal Landázuri, 2, 24003, León

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

**Related internship programs:**

- Update on Psychiatric Treatment in Minor Patients



Physiotherapy

### Hospital HM Nou Delfos

Country: Spain City: 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



Physiotherapy

### Hospital HM Madrid

Country: Spain City: 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



Physiotherapy

### Hospital HM Montepíncipe

Country: Spain City: Madrid

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

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

**Related internship programs:**

- Palliative Care
- Aesthetic Medicine



Physiotherapy

### Hospital HM Torrelodones

Country: Spain City: 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



Physiotherapy

### Hospital HM Sanchinarro

Country: Spain City: 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



Physiotherapy

### Hospital HM Vallés

Country: Spain City: Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

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

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology



Physiotherapy

### Policlínico HM Arapiles

Country: Spain City: 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





Physiotherapy

### 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



Physiotherapy

### 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



Physiotherapy

### Policlínico HM Distrito Telefónica

Country	City
Spain	Madrid

Address: Ronda de la Comunicación, 28050, Madrid

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

**Related internship programs:**

- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery



Physiotherapy

### Policlínico HM Gabinete Velázquez


Country	City
Spain	Madrid

Address: C. de Jorge Juan, 19, 1° 28001, Madrid

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

**Related internship programs:**

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery

Physiotherapy

### Policlínico HM La Paloma

Country	City
Spain	Madrid


Address: Calle Hilados, 9, 28850, Torrejón de Ardoz, Madrid

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

---

**Related internship programs:**

- Advanced Operating Room Nursing
- Orthodontics and Dentofacial Orthopedics



Physiotherapy

### Policlínico HM Las Tablas

Country	City
Spain	Madrid


Address: C. de la Sierra de Atapuerca, 5, 28050, Madrid

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

---

**Related internship programs:**

- Nursing in the Traumatology Department
- Diagnosis in Physiotherapy



Physiotherapy

### Policlínico HM Moraleja

Country	City
Spain	Madrid


Address: P.º de Alcobendas, 10, 28109, Alcobendas, Madrid

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

---

**Related internship programs:**

- Rehabilitation Medicine in Acquired Brain Injury Management



Physiotherapy

### Policlínico HM Rosaleda Lalín

Country	City
Spain	Pontevedra


Address: Av. Buenos Aires, 102, 36500, Lalín, Pontevedra

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

---

**Related internship programs:**

- Advances in Hematology and Hemotherapy
- Neurological Physiotherapy



Physiotherapy

### Policlínico HM Imi Toledo

Country	City
Spain	Toledo

Address: Av. de Irlanda, 21, 45005, Toledo

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

---

**Related internship programs:**

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation





Physiotherapy

**Small Hauhgthon Rehab**

Country	City
Mexico	Mexico City

Address: Nicolás San Juan 1319 Col. Del Valle  
Sur Benito Juárez

Clinic specialized in Sports Medicine  
and comprehensive care in Physiotherapy

**Related internship programs:**

- Geriatric Physiotherapy
- Sports Physiotherapy



*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 **Internship Program in Pediatric Orthopedics** 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 Pediatric Orthopedics**

Duration: **3 weeks**

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

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



**tech**

Internship Program  
Pediatric Orthopedics

# Internship Program Pediatric Orthopedics



tech