

Internship Program Musculoskeletal Ultrasound in Physiotherapy

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Internship Program
Musculoskeletal Ultrasound
in Physiotherapy

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01 Introduction

Of different diagnostic methods available in physiotherapy, one of the most important is ultrasound. A system for observation and detection of lesions by imaging, which has become a basic element in physiotherapist's office in recent years. For this reason, this program has been designed for working professionals who wish to update their knowledge in this field, allowing them to deepen their applications through an intensive and practical stay in a renowned physiotherapy center for 3 weeks.



Incorporate into your daily practice the most relevant advances in Musculoskeletal Ultrasound thanks to a distinctive, unique and effective hands-on experience"





Technological advances have led to a remarkable progress in quality of diagnostic imaging through ultrasound, as well as reduction of equipment and its easy handling by professionals. This progress, in turn, has contributed to the improvement of diagnostic techniques, treatments and monitoring of evolution of lesions. Faced with this reality, TECH has designed this Internship Program, which provides professionals with an update of their knowledge through an intensive stay in a reference hospital.

This way, you can get updated quickly through numerous activities and direct contact with patients. Also, you will enjoy support of great specialists in this field, who will be in charge of transferring the best applications of Musculoskeletal Ultrasound, thereby obtaining detailed and accurate diagnoses in all types of patients with injuries and pathologies of the locomotor system.

An excellent opportunity to be updated in this field, through an innovative program that meets professionals' real needs, who wish in a short period of time to be able to update concepts they need to continue providing an excellent service in their offices or clinical centers.

02

Why Study an Internship Program?

This program moves away from traditional pedagogical concept and offers a practical experience where, from the first day, professionals obtain an update of their practical knowledge in a reference clinical center. This way, TECH offers a unique academic product, which allows graduates to enhance their skills and technical capabilities with a specialized team in Musculoskeletal Ultrasound field. For 3 intensive weeks, you will see first-hand latest advances in diagnostic and treatment tools and will be able to integrate them into your daily clinical practice. A unique opportunity that provides specialists with an experience that is useful and adapted to their needs.



Thanks to this Internship Program you will be updated on latest technological advances in Musculoskeletal Ultrasound"

1. Updating from the latest technology available

Image quality, more sophisticated equipment and more advanced techniques are some of the advantages of current use of ultrasound scanners in clinical centers. These devices are nowadays essential in a physiotherapist's office. For this reason, and with intentions of bringing specialists closer to latest technological innovations, TECH presents this Internship Program, where professionals can spend 3 weeks in an excellent healthcare environment, accessing latest technology in Musculoskeletal Ultrasound.

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

During this practical period, professionals will be integrated into a specialized team that will accompany them in this process. This guarantees an unprecedented update, from the hand of the best in Musculoskeletal Ultrasound area, belonging to a prestigious clinical center.

Under expert guidance, professionals will be able to test techniques used for both diagnosis and effective treatment with these devices.



3. Entering First-Class Clinical Environments

TECH maintains rigorous criteria in the selection of all centers that are part of the Internship Programs. Thanks to this, professionals will have guaranteed access to an excellent clinical center with extensive experience in use of ultrasound scanners oriented to physiotherapy use. In this way, you will be able to update your knowledge in an environment that meets your needs, always applying latest techniques in your work methodology.

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

The academic market is plagued by teaching programs that are poorly adapted to the daily work of the specialist and that require long teaching hours, often not very compatible with personal and professional life. TECH offers a new learning model, 100% practical, that allows you to get in front of state-of-the-art procedures in Assisted Reproduction field and, best of all, to put it into professional practice in only 3 weeks.

5. Expanding the Boundaries of Knowledge

The physiotherapist professional will have during this practical stay, a unique opportunity to enhance their skills and competences in a first level clinical space. This provides you with an update, which, in turn, will allow you to include latest advances in Musculoskeletal Ultrasound in your daily practice or to put these methods and techniques into practice in any other prestigious center. This way, TECH offers a much broader view through a unique Internship Program.

03 Objectives

The main objective of this Internship Program in Musculoskeletal Ultrasound in Physiotherapy is to bring professionals closer to latest advances in this procedure, so that they can offer the best services in their own practice. Therefore, upon completion of this program, you will be in a position to provide patients with a diagnostic method of great precision and predictability in the discipline, increasing, in process, your prestige in your environment.



General Objectives

- To master latest techniques, methods and procedures used in the use of ultrasound scanners in physiotherapists' offices
- To effectively address diagnostic and treatment processes in patients with different lesions, through ultrasound-guided techniques
- To know the most frequent injuries in upper and lower limbs and their exploration through Musculoskeletal Ultrasound





Specific Objectives

- To learn to locate different anatomical structures of the region
- To identify pathologies for a correct treatment of ultrasound-guided rehabilitation medicine
- To define limits of ultrasound
- To learn the use of ultrasound in the rehabilitation physician's competencies context



This Internship Program gives you an opportunity to develop yourself during 120 hours of professional practice in a real scenario with patients who require diagnosis by means of Musculoskeletal Ultrasound"

04

Educational Plan

This Internship Program in Musculoskeletal Ultrasound in Physiotherapy consists of a 3-week intensive stay in a renowned center. The stay will be from Monday to Friday, in continuous 8-hour shifts. This ensures that professionals can acquire and reinforce their knowledge without interruption, in a seamless manner.

In this educational proposal, which is completely practical in nature, activities are intended to develop and perfect necessary competencies for the provision of diagnostic services in physiotherapy field and are oriented towards specific qualification for this activity practice. Likewise, on-site stay at the center will allow professionals to complete a minimum number of internship activities oriented to physiotherapy diagnosis by ultrasound.

TECH therefore facilitates a different way of understanding and integrating health processes, turning a clinical space into ideal place to update in situ skills and abilities of physiotherapists in Musculoskeletal Ultrasound Address. A unique opportunity to enter into an innovative experience, which seeks to improve professional skills.

Practical education will be carried out with student's active participation performing activities and procedures of each area of competence (learning to learn and learning to do), with accompaniment and guidance of teachers and other fellow students that facilitate teamwork and multidisciplinary integration as transversal competencies for physiotherapy praxis (learning to be and learning to relate).





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

Module	Practical Activity
Basic ultrasound methods	Offer support in equipment Address
	Perform dynamic tests of shoulder, elbow, wrist and hand
	Assist in performing basic sonoanatomy
	Learn about latest advances in ultrasound scanners
Ultrasound techniques for upper and lower limbs	Perform dynamic tests of shoulder, elbow, wrist and hand
	Improve techniques for sonoanatomy performance
	Practice dynamic tests for ankle and foot
	Assist in specific sonoanatomical examinations
Hip ultrasound techniques	Diagnose hip pathologies
	Offer collaboration in performing dynamic tests in the hip area
	Contribute to normal hip sonoanatomy
	Observe and address the most common injuries with different techniques used
Knees ultrasound techniques	Collaborate in knee pathology diagnosis
	Offer support in dynamic knee tests
	Contribute to normal knee sonoanatomy
	Update knowledge of main pathologies that affect knees

05

Where Can I Do the Internship Program?

To ensure that physiotherapists enjoy best learning, TECH has selected the best centers in which to develop stay. This way, professionals can update their knowledge by having access to real patients, the best experts and the most advanced diagnostic technology in ultrasound field. All of this, with intention of providing students with possibility to progress professionally thanks to new procedures that will be available to them.



TECH puts at your disposal the most prestigious centers, which will open their doors to provide you with update you need in your career as a physiotherapist"





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



Physiotherapy

Fisioterapia Recupérate Ya

Country	City
Spain	Madrid

Address: Calle de Sandoval 17, (28010) Madrid

Physiotherapeutic center with a wide range of services for physical and manual therapy

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Centro Médico Villanueva de la Cañada

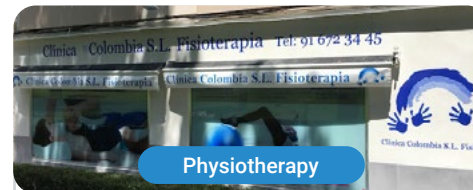
Country	City
Spain	Madrid

Address: C. Arquitecto Juan de Herrera, 2, 28691 Villanueva de la Cañada, Madrid

Medical center with services in main clinical specialties and diagnostic tests

Related internship programs:

- Clinical Nutrition in Pediatrics
- Primary Care Clinical Ultrasound



Physiotherapy

Clínica Colombia

Country	City
Spain	Madrid

Address: Calle Colombia, 6, Local 1A, 28823, Madrid

Entity specialized in physiotherapeutic and rehabilitation care

Related internship programs:

- Physiotherapy Diagnosis
- Musculoskeletal ultrasound in Physiotherapy



Physiotherapy

FisioSanfer

Country	City
Spain	Madrid

Address: Calle Nazario Calonge, 13, 28830, San Fernando de Henares, Madrid

Physiotherapy and Osteopathic Clinic with integral assistance

Related internship programs:

- Sports Physiotherapy
- Musculoskeletal ultrasound in Physiotherapy



Physiotherapy

Vizcaíno Fisioterapia

Country City
Spain Madrid

Address: Sector Descubridores, 2, 28760, Tres Cantos, Madrid

Physiotherapy and rehabilitation clinic, personal training and injury rehabilitation

Related internship programs:

- Musculoskeletal ultrasound in Physiotherapy
- Sports Physiotherapy



Physiotherapy

Hospital HM Modelo

Country City
Spain BORRAR 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



Physiotherapy

Hospital Maternidad HM Belén

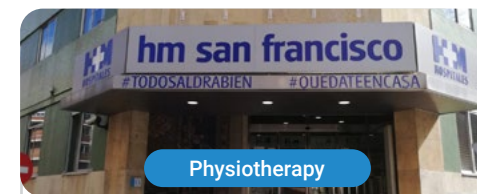
Country City
Spain BORRAR La Coruña

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 Address



Physiotherapy

Hospital HM San Francisco

Country City
Spain BORRAR León

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

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

Related internship programs:

- Anesthesiology and Resuscitation Update
- Nursing in Traumatology Service



Physiotherapy

Hospital HM Regla

Country City
Spain BORRAR 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 City
Spain BORRAR 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 City
Spain BORRAR 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 Torrelodones

Country City
Spain BORRAR 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 City
Spain BORRAR 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 Puerta del Sur

Country City
Spain BORRAR 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 Las Tablas

Country City
Spain BORRAR 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 Traumatology Service
- Physiotherapy Diagnosis



Physiotherapy

Policlínico HM Moraleja

Country City
Spain BORRAR 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 Address



Policlínico HM Virgen del Val

Country City
Spain BORRAR Madrid

Address: Calle de Zaragoza, 6, 28804,
Alcalá de Henares, Madrid

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

- Related internship programs:**
- Physiotherapy Diagnosis
 - Physiotherapy in Early Child Care



Policlínico HM Imi Toledo

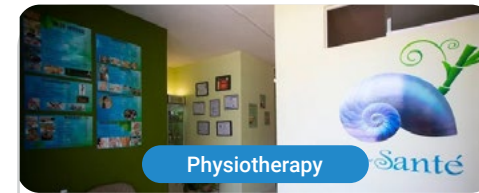
Country City
Spain BORRAR Toledo

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

Santé Clinic Querétaro

Country: Mexico
City: Querétaro de Arteaga

Address: Circuito Álamos #88 PA-B col Álamos
2da sección Querétaro, Qro, CP 76160

Clinical center specialized in physical therapy
and recovery

Related internship programs:

- Aesthetic Medicine
- Sports Physiotherapy



Physiotherapy

Engrama

Country: Mexico
City: México City

Address: Martín Mendalde 922, Del Valle
Centro, Benito Juárez, CDMX. México

Specialized physiotherapeutic care center with more than 10
years of experience

Related internship programs:

- Geriatric Physiotherapy
- Electrotherapy in Physiotherapy

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.

For this purpose, this educational entity is committed to acquire a liability insurance that covers any eventuality that may arise during the stay.

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 Musculoskeletal Ultrasound in Physiotherapy** contains the most complete and up-to-date program in the professional and academic landscape.

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

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

Title: **Internship Program in Musculoskeletal Ultrasound in Physiotherapy**

Duration: **3 weeks**

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

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



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