

# Internship Program

## Clinical Ultrasound for Primary Care



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Internship Program  
Clinical Ultrasound for  
Primary Care

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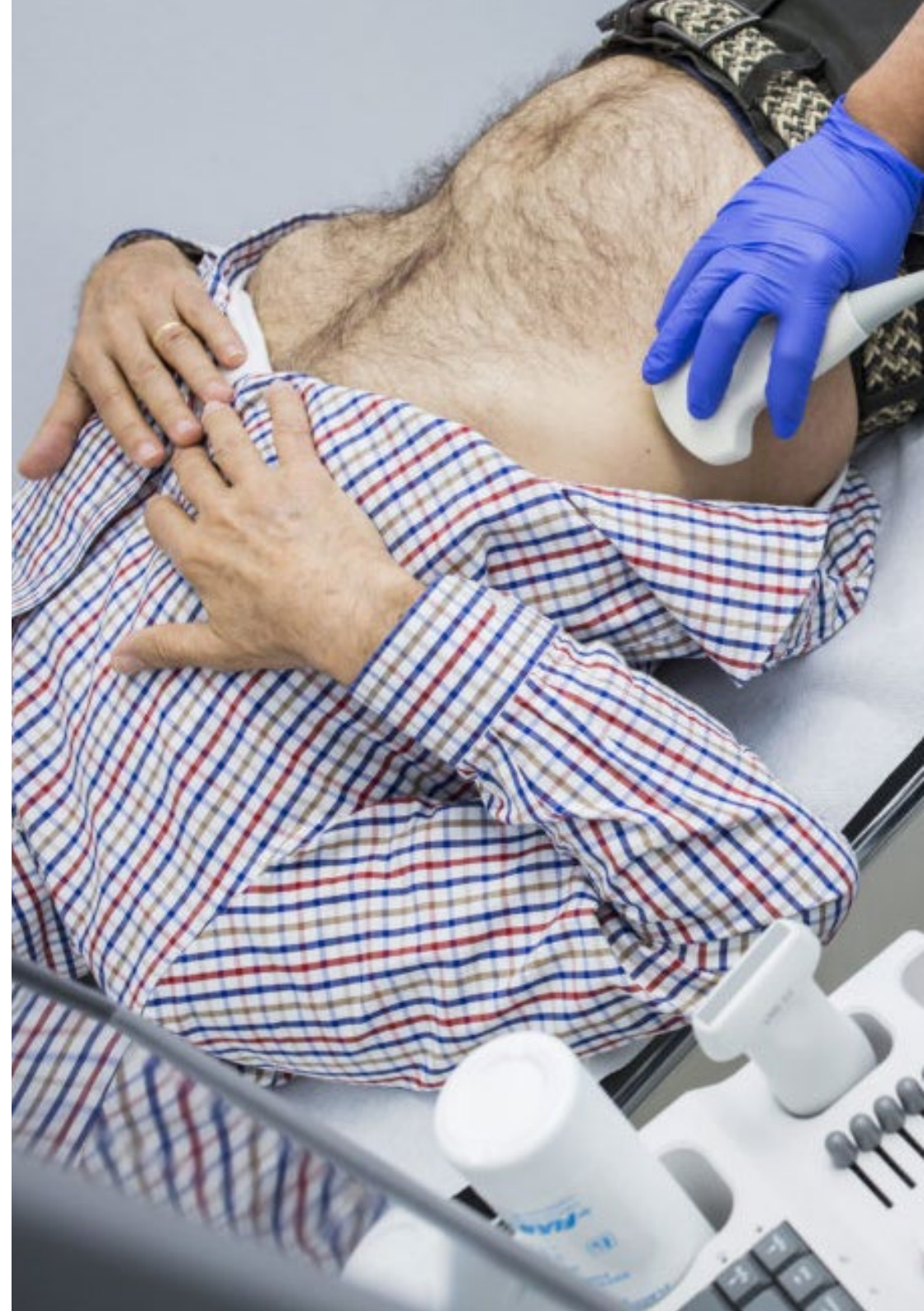
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# 01 Introduction

Among the many healthcare procedures that have evolved significantly in recent years, ultrasound is one of the most prominent. Moreover, its importance in Primary Care has been growing, as it is a great tool for diagnosing and monitoring patients, as well as being an accurate method for guiding invasive procedures. Therefore, the physician must be up-to-date with the latest advances, and this program offers the opportunity to catch up with their innovations from a clinical internship. This way, this qualification will allow them to carry out intensive internships where they will have access to real patients, while being accompanied by leading specialists in primary care ultrasound.



*This program responds to the latest advances in Clinical Ultrasound, providing the professional with a complete update on the specific use of this tool in Primary Care”*





Primary Care uses a number of technological tools in its daily work. One of the most important of these is Clinical Ultrasound, which in recent years has undergone numerous advances. Therefore, the new ultrasound image acquisition systems are very precise and are also capable, by means of Artificial Intelligence, of verifying the capacity of the images obtained and of filling in unobserved spaces.

These and other innovations have made it possible to improve diagnostic processes, facilitating data collection and health outcomes in general. For all these reasons, the physician needs to be up-to-date with these innovations, and this completely practical program will provide, in a dynamic, active and on-site manner, a complete update on the subject.

This internship also takes place over 3 weeks in a renowned clinical center, where you will be able to perform a series of practical activities with ultrasound as a central element. In addition, they will have at their disposal a state-of-the-art technology that will prepare them to make very precise and detailed diagnoses. The professional, in addition, will be able to be up-to-date with the help of professionals of great reputation in the area of Primary Care, so this degree is a great option to learn the latest techniques in this health field.

# 02

## Why Study an Internship Program?

Compared to other academic options that offer merely theoretical content even in active and dynamic disciplines such as Clinical Ultrasound, this program offers the professional the possibility of updating in a practical and face-to-face format. Therefore, the physician will enjoy a face-to-face and active learning format in which they will spend an intensive 3-week internship in a center of recognized prestige in the area of Primary Care. In this way, they will be able to get up-to-date in the latest technological and diagnostic advances with ultrasound through a real professional experience, with access to patients with different pathologies.



*TECH offers you the unique and exclusive opportunity to spend an on-site internship in a prestigious center where you will be up-to-date in the use of Clinical Ultrasound as a diagnostic and guiding method in health procedures”*

### 1. Updating from the latest technology available

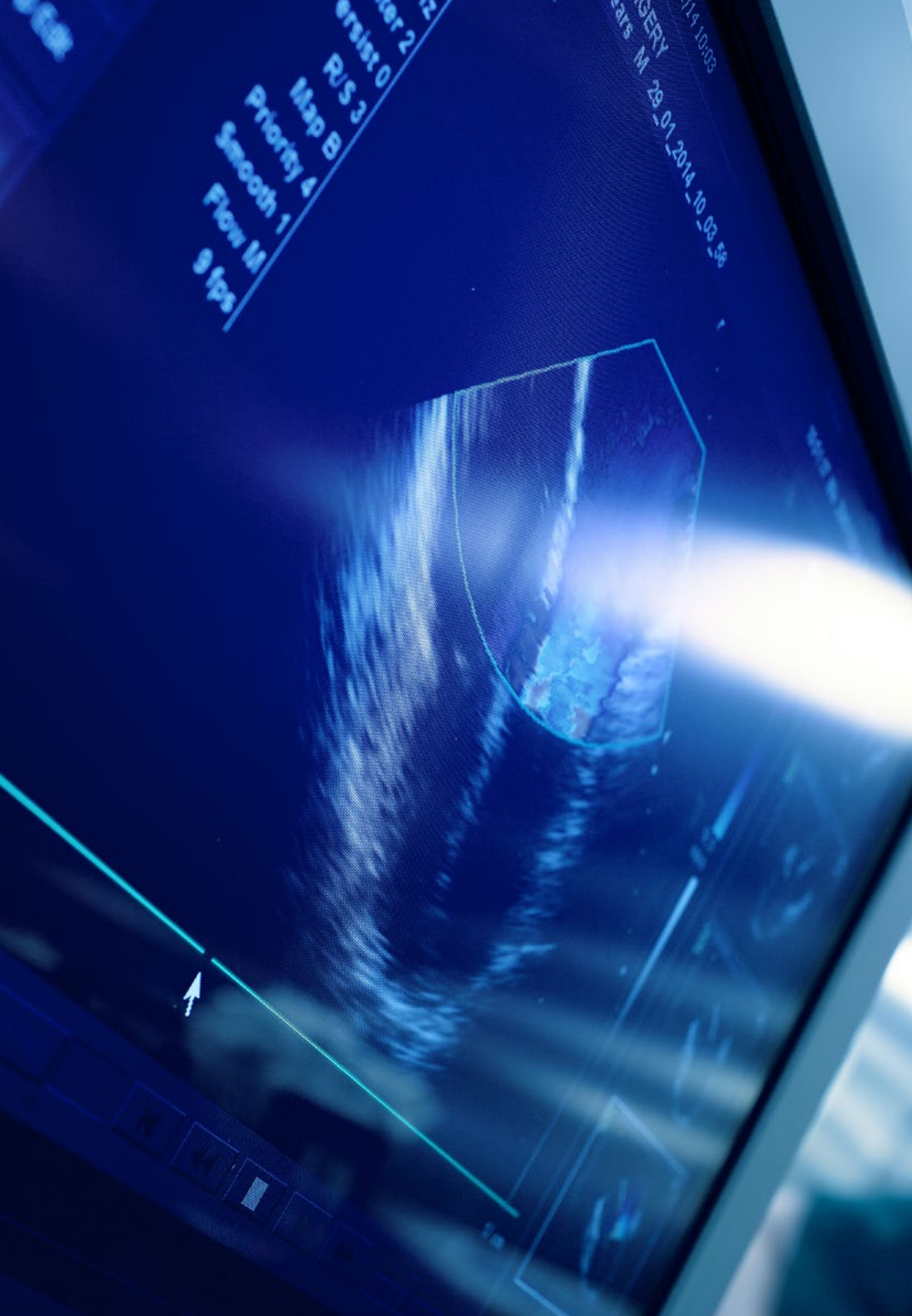
New technologies have made their way into the clinical field, creating innovative equipment with which to perform numerous procedures. This is the case of Clinical Ultrasound, which has allied with disciplines such as Artificial Intelligence to make medical diagnoses even more precise. These elements are fundamental for TECH, which has been responsible for bringing them closer to the student so that, in the development of their internships, they can develop professionally using the latest technology.

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

One of the keys to guarantee the success of a clinical internship is to have experienced professionals guiding the whole process. And that is precisely what TECH offers: a completely practical and face-to-face teaching experience where the student will be in contact with prestigious specialists, who will transfer the latest procedures in Clinical Ultrasound in the area of Primary Care.

### 3. Entering First-Class Clinical Environments

TECH carefully selects all the centers available for its internship programs. Thanks to this selection process, the physician will have access to a highly renowned environment in the area of Primary Care. Therefore, they will be able to develop intensively in a space of excellence, which will serve to boost their own career.



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

The fundamental characteristic of this program is that it allows the professional to immediately transfer everything they have learned into practice. But it is not only about being able to work in a real professional environment, but also that this experience will be useful to later integrate the most advanced diagnostic methods using ultrasound in their own daily work.

#### 5. Expanding the Boundaries of Knowledge

This program is a great opportunity for the professional, who has the option to perform their internship in clinical centers of international prestige. This ensures that their professional development does not remain anchored to their own environment, expanding their horizons by updating their knowledge with professionals who practice in first-class hospitals.



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

# 03 Objectives

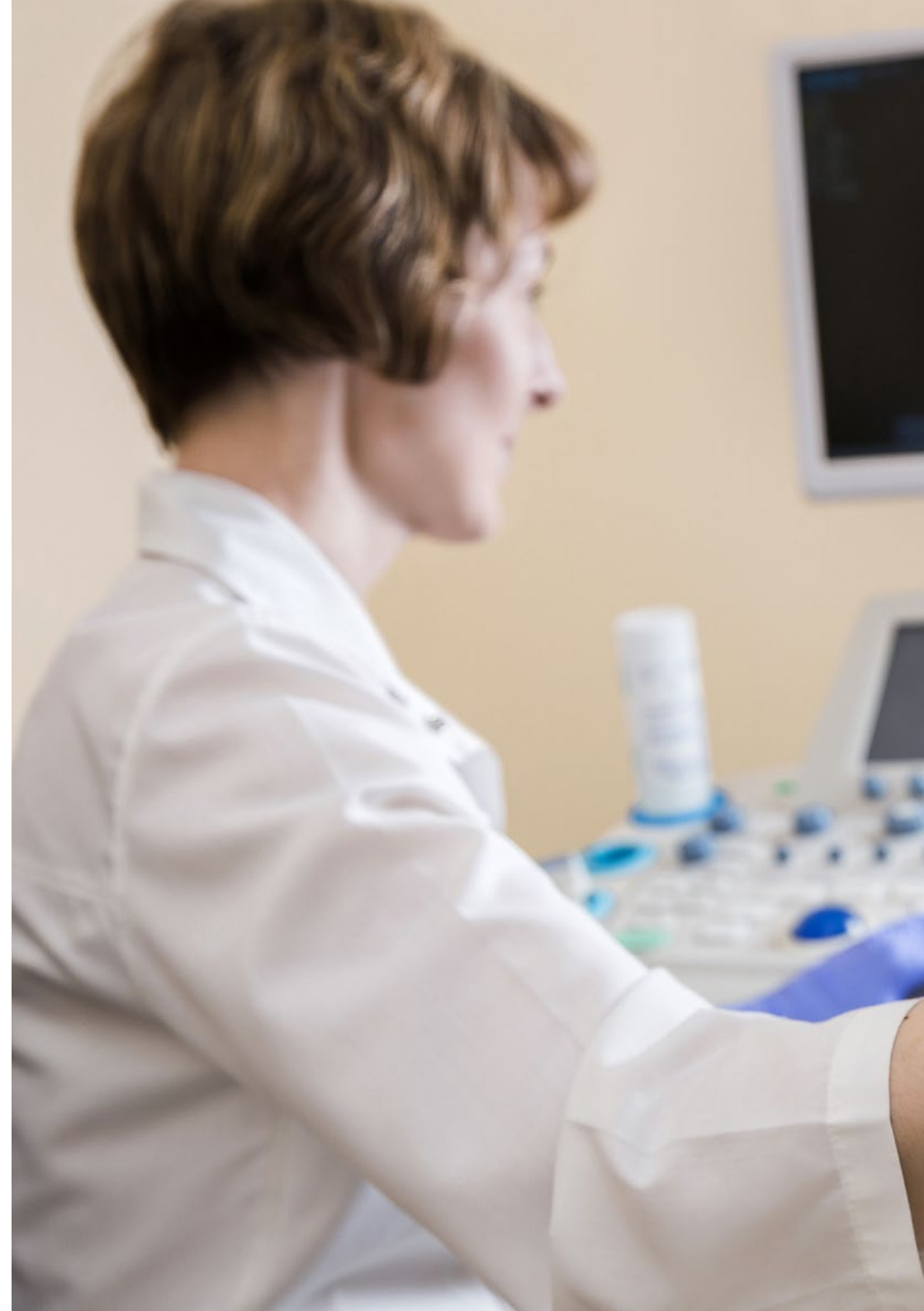
The main objective of this Internship Program is to provide the physician with a quick and complete update on the applications of Clinical Ultrasound in the Primary Care field. In order to achieve this goal, this program offers them an intensive internship in a prestigious clinical center, where they will be able to put into practice the different uses of ultrasound, as they will have access to real patients, while receiving guidance from healthcare specialists in this area.



## General Objectives

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- Update medical work in the use of clinical ultrasound as a diagnostic and follow-up tool in primary care patients
- Apply the most advanced ultrasound techniques in the detection of pathologies
- Master the use of Clinical Ultrasound as a guide in invasive procedures







## Specific Objectives

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- ♦ Optimize ultrasound imaging through in-depth knowledge of the physical principles of ultrasound, its controls and operation
- ♦ Master the basic and advanced procedures of Ultrasound, both at diagnostic and therapeutic level
- ♦ Excel in spatial orientation or "econavigation"
- ♦ Practice all ultrasound modalities in the safest way for patients
- ♦ Know the indications and limitations of clinical ultrasound, and its application in the most frequent clinical situations
- ♦ Predict the results of invasive diagnostic procedures non-invasively by using ultrasound, with the possibility of replacing them
- ♦ Guiding invasive therapeutic procedures to minimize their risks
- ♦ Understand how to extend the concept of Clinical Ultrasound to healthcare, research, and academic environments



*Update yourself with the best professionals in Primary Care, who will bring you up-to-date on the applications of Clinical Ultrasound"*

# 04

## Educational Plan

This Internship Program consists of 3 weeks of on-site training in a prestigious clinical center. There, the physician will be able to develop a series of activities using ultrasound as a method of diagnosis and monitoring of pathologies. Therefore, they will have access to real patients, always accompanied by specialists from the hospital. The internship is carried out in 8-hour consecutive days, from Monday to Friday.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide health care through the use of Clinical Ultrasound 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 an innovative hospital of the future where real-time health monitoring of patients is at the center of the digital culture of its professionals. 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 clinical 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 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:



*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
<b>Ultrasound Techniques and Ultrasound-Guided Procedures</b>	Use the different modes (Modes A and M, Mode B, Color Doppler modes, and combined modes) in ultrasound examinations
	Apply ultrasound in the performance of percutaneous biopsies
	Collaborate in the ultrasound-guided procedures of Thoracentesis, Pericardiocentesis and Paracentesis
	Manage ultrasound to examine the drainage of abscesses and fluid collections
	Perform radial ultrasound of the breast, as well as in dermatological ultrasound and in patients with diabetes
	Make the ultrasound report
<b>Exploration by Clinical Ultrasound of the Musculoskeletal and Head, Neck and Thorax</b>	Explore, by ultrasound, the salivary glands, thyroid and supra-aortic trunks
	Explore, by ultrasound, the chest wall, mediastinum and diaphragm
	Assess, using ultrasound, different pathologies and pulmonary conditions such as pneumonia, atelectasis, pulmonary neoplasms and pulmonary infarction
	Ultrasound examination of the shoulder, elbow, wrist and hand, hip, thigh, knee, leg and ankle
<b>Exploration by Clinical Ultrasound of the Vascular and Digestive System</b>	Ultrasound exploration of the hepatic, pancreatic, gallbladder and biliary ducts.
	Perform ultrasound assessment of the great vessels, spleen and retroperitoneum, as well as the gastrointestinal tract
	Use ultrasonography as a method of detection and assessment of vascular pathologies
<b>Clinical Ultrasound Examination of the Genitourinary System</b>	Perform the examination of kidneys, urinary tract, urinary bladder, as well as the prostate and seminal vesicles using Clinical Ultrasound
	Apply clinical ultrasound as a method of examination of the scrotum
	Perform assessment of the uterus and ovaries using ultrasound
<b>Clinical Ultrasound in Emergencies</b>	Participate in the ultrasound examination in cases of respiratory failure (spontaneous pneumothorax, bronchospasm, pneumonia, pleural effusion and heart failure)
	Perform ultrasound examination in shock and cardiac arrest, specifically in cases of hypovolemic shock, obstructive shock, cardiogenic shock, distributive shock and cardiac arrest
	Assess ultrasound in polytrauma, Eco-FAST: Pericardial effusion, Hemothorax and Pneumothorax, Hepatorenal or Perihepatic effusion, Splenorenal or Peri-splenic effusion, Perivesical effusion, Post-traumatic aortic dissection and musculoskeletal injuries

# 05 Where Can I Do the Internship Program?

The best way to obtain a complete update in the applications of Clinical Ultrasound for Primary Care is through an internship in a prestigious center. And that is what TECH offers: a 3-week on-site internship in a clinic equipped with the best technology, which will provide the physician with the necessary support by having great specialists in this diagnostic technique.



*The best option to update you is here: make an on-site internship in a prestigious clinic and learn about the latest advances in Clinical Ultrasound”*





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



Medicine.

### Hospital HM Modelo

Country: Spain City: 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: 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



Medicine.

### 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



Medicine.

### 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



Medicine.

### Hospital HM Regla

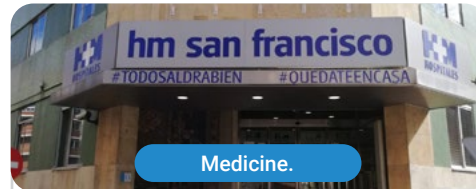
Country: Spain City: León

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



Medicine.

### 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
- Trauma Nursing



Medicine.

### Policlínico HM Distrito Telefónica

Country: Spain City: 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



Medicine.

### Hospital HM Puerta del Sur

Country: Spain City: 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 Gabinete Velázquez

Country	City
Spain	Madrid

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

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

**Related internship programs:**

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery



Medicine.

### 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



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 Vallés

Country	City
Spain	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



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 Montepíncipe

Country	City
Spain	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



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.**

**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.

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**Related internship programs:**

- Trauma Nursing
- Diagnosis in Physiotherapy



**Medicine.**

**Policlínico HM Sanchinarro**

Country	City
Spain	Madrid


Address: Av. de Manoteras, 10,  
28050, Madrid

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

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**Related internship programs:**

- Gynecological Care for Midwives
- Nursing in the Digestive Tract Department



**Medicine.**

**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.

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**Related internship programs:**

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation



**Medicine.**

**Affidea Medicentro Leganés**

Country	City
Spain	Madrid


Address: Av. de la Mancha, 23-25, 28912  
Leganés, Madrid

Clinic specialized in General Medicine,  
Surgery, Diagnostic Imaging and  
Pediatrics

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**Related internship programs:**

- Clinical Ultrasound for Primary Care



**Medicine.**

**Centre d'Atenció Primària  
Sant Cugat**

Country	City
Spain	Barcelona

Address: Carrer de la Mina, 2, 08173 Sant  
Cugat del Vallès, Barcelona

Primary Care Centers

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**Related internship programs:**

- Primary Care Clinical Ultrasound  
for 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 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 practical 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 Clinical Ultrasound for Primary Care** 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 diploma issued by TECH will reflect the grade obtained in the test.

Program: **Internship Program in Clinical Ultrasound for Primary Care**

Duration: **3 weeks**

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

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



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Internship Program  
Clinical Ultrasound for  
Primary Care

# Internship Program

## Clinical Ultrasound for Primary Care



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